Database Security Service

API Reference

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1 Before You Start

Overview

Database Security Service (DBSS) can be used to audit your databases, detect SQL injection attacks, and identify high-risk operations based on the big data analytics technologies.

This document describes how to use application programming interfaces (APIs) to create, query, and delete instance and rules. For details about all supported operations, see **API**.

Before calling DBSS APIs, ensure that you have understood the concepts related to DBSS. For more information, see **Service Overview**.

API Calling

DBSS supports Representational State Transfer (REST) APIs, allowing you to call APIs using HTTPS. For details about API calling, see **Calling APIs**.

Endpoints

An endpoint is the **request address** for calling an API. Endpoints vary depending on services and regions. For the endpoints of all services, see **Regions and Endpoints**.

Concepts

- Account

  An account is created upon successful registration. The account has full access permissions for all of its cloud services and resources. It can be used to reset user passwords and grant user permissions. The account is a payment entity and should not be used to perform routine management. For security purposes, create IAM users and grant them permissions for routine management.

- User

  An IAM user is created by an account to use cloud services. Each IAM user has its own identity credentials (password and access keys).

  The account name, username, and password will be required for API authentication.

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- Region

  Regions are divided based on geographical location and network latency. Public services, such as Elastic Cloud Server (ECS), Elastic Volume Service (EVS), Object Storage Service (OBS), Virtual Private Cloud (VPC), Elastic IP (EIP), and Image Management Service (IMS), are shared within the same region. Regions are classified as universal regions and dedicated regions. A universal region provides universal cloud services for common tenants. A dedicated region provides services of the same type only or for specific tenants.

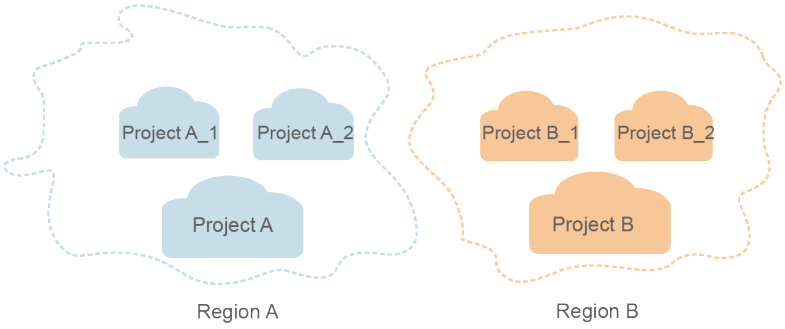
- Availability Zone (AZ)

  An AZ comprises one or multiple physical data centers equipped with independent ventilation, fire, water, and electricity facilities. Compute, network, storage, and other resources in an AZ are logically divided into multiple clusters. AZs within a region are interconnected using high-speed optical fibers to support cross-AZ high-availability systems.

- Project

  Projects group and isolate resources (including compute, storage, and network resources) across physical regions. A default project is provided for each region, and subprojects can be created under each default project. Users can be granted permissions to access all resources in a specific project. For more refined access control, create subprojects under a project and create resources in the subprojects. Users can then be assigned permissions to access only specific resources in the subprojects.

  Figure 1-1 Project isolating model



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2 Calling APIs

2.1 Making an API Request

This section describes the structure of a REST API request, and uses the IAM API for **creating an IAM user as the administrator** as an example to demonstrate how to call an API. The obtained token can then be used to authenticate the calling of other APIs.

Request URI

A request URI is in the following format:

{URI-scheme} :// {Endpoint} / {resource-path} ? {query-string}

Although a request URI is included in the request header, most programming languages or frameworks require the request URI to be transmitted separately.

- **URI-scheme**:

  Protocol used to transmit requests. All APIs use HTTPS.

- **Endpoint**:

  Domain name or IP address of the server bearing the REST service. The endpoint varies between services in different regions. It can be obtained from **Regions and Endpoints**.

  For example, the endpoint of IAM in region **CN-Hong Kong** is **iam.ap-southeast-1.myhuaweicloud.com**.

- **resource-path**:

  Access path of an API for performing a specified operation. Obtain the path from the URI of an API. For example, the **resource-path** of the API used to obtain a user token is **/v3/auth/tokens**.

- **query-string**:

  Query parameter, which is optional. Ensure that a question mark (?) is included before each query parameter that is in the format of "Parameter name=Parameter value". For example, **?limit=10** indicates that a maximum of 10 data records will be displayed.

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For example, to obtain an IAM token in the **CN-Hong Kong** region, obtain the endpoint of IAM (**iam.ap-southeast-1.myhuaweicloud.com**) for this region and the resource-path (**/v3.0/OS-USER/users**) in the URI of the API used for **creating an IAM user**. Then, construct the URI as follows:

```
https://iam.ap-southeast-1.myhuaweicloud.com/v3.0/OS-USER/users
```

Figure 2-1 Example URI

NOTE

To simplify the URI display in this document, each API is provided only with a **resource-path** and a request method. The **URI-scheme** of all APIs is **HTTPS**, and the endpoints of all APIs in the same region are identical.

Request Methods

The HTTP protocol defines the following request methods that can be used to send a request to the server:

- **GET**: requests the server to return specified resources.
- **PUT**: requests the server to update specified resources.
- **POST**: requests the server to add resources or perform special operations.
- **DELETE**: requests the server to delete specified resources, for example, an object.
- **HEAD**: same as GET except that the server must return only the response header.
- **PATCH**: requests the server to update partial content of a specified resource. If the resource does not exist, a new resource will be created.

For example, in the case of the API used to **obtain a user token**, the request method is POST. The request is as follows:

```
POST https://iam.ap-southeast-1.myhuaweicloud.com/v3.0/OS-USER/users
```

Request Header

You can also add additional header fields to a request, such as the fields required by a specified URI or HTTP method. For example, to request for the authentication information, add **Content-Type**, which specifies the request body type.

Common request header fields are as follows:

- **Content-Type**: specifies the request body type or format. This field is mandatory and its default value is **application/json**. Other values of this field will be provided for specific APIs if any.
- **Authorization**: specifies signature authentication information. This field is optional. When AK/SK authentication is enabled, this field is automatically specified when SDK is used to sign the request.

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- **X-Sdk-Date**: specifies the time when a request is sent. This field is optional. When AK/SK authentication is enabled, this field is automatically specified when SDK is used to sign the request.
- **X-Auth-Token**: specifies a user token only for token-based API authentication. The user token is a response to the API used to **obtain a user token**. This API is the only one that does not require authentication.
- **X-Project-ID**: specifies subproject ID. This field is optional and can be used in multi-project scenarios. The **X-Project-ID** field is mandatory in the request header for accessing resources in a subproject through AK/SK-based authentication.
- **X-Domain-ID**: account ID, which is optional. When you call APIs of global services using AK/SK-based authentication, **X-Domain-ID** needs to be configured in the request header.

```
POST https://iam.ap-southeast-1.myhuaweicloud.com/v3.0/OS-USER/users
Content-Type: application/json
X-Sdk-Date: 20240416T095341Z
Authorization: SDK-HMAC-SHA256 Access=**********, SignedHeaders=content-type;host;x-sdk-date,
Signature=**********
```

NOTE

In addition to supporting token-based authentication, APIs also support authentication using access key ID/secret access key (AK/SK). During AK/SK-based authentication, an SDK is used to sign the request, and the **Authorization** (signature information) and **X-Sdk-Date** (time when the request is sent) header fields are automatically added to the request.

For more information, see **AK/SK-based Authentication**.

Request Body

The body of a request is often sent in a structured format as specified in the **Content-Type** header field. The request body transfers content except the request header.

The request body varies between APIs. Some APIs do not require the request body, such as the APIs requested using the GET and DELETE methods.

In the case of the API used to **obtain a user token**, the request parameters and parameter description can be obtained from the API request. The following provides an example request with a body included. Replace the italic fields in bold with the actual values.

- **accountid**: ID of the account to which the IAM user belongs.
- **username**: IAM username to be created.
- **email**: email address of the IAM user.
- **************: password of the IAM user.

```
POST https://iam.ap-southeast-1.myhuaweicloud.com/v3.0/OS-USER/users

Content-Type: application/json
 X-Sdk-Date: 20240416T095341Z
 Authorization: SDK-HMAC-SHA256 Access=**********, SignedHeaders=content-type;host;x-sdk-date,
Signature=**********

{
    "user": {
        "domain_id": "accountid",
        "name": "username",
```

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```
        "password": "**********",
        "email": "email",
        "description": "IAM User Description"
    }
}
```

If all data required for the API request is available, you can send the request to call the API through **curl**, **Postman**, or coding.

2.2 Authentication

Requests for calling an API can be authenticated using either of the following methods:

- Token-based authentication: Requests are authenticated using a token.
- AK/SK authentication: Requests are encrypted using AK/SK pairs. This method is recommended because it provides higher security than token-based authentication.

Token-based Authentication

NOTE

- The validity period of a token is 24 hours. When using a token for authentication, cache it to prevent frequently calling the IAM API used to obtain a user token.
- Ensure that the token is valid when you use it. Using a token that will soon expire may cause API calling failures.

A token specifies temporary permissions in a computer system. During API authentication using a token, the token is added to requests to get permissions for calling the API.

You can **obtain a token** by calling an API. A project-level token is required for calling DEW APIs. When calling an API to obtain a user token, set **project** in **auth.scope** in the request body, as shown in the following example.

```
{
    "auth": {
        "identity": {
            "methods": [
                "password"
            ],
            "password": {
                "user": {
                    "name": "username",
                    "password": "********",
                    "domain": {
                        "name": "domainname"
                    }
                }
            }
        },
        "scope": {
            "project": {
                "name": "xxxxxxxx"
            }
        }
    }
}
```

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After a token is obtained, the **X-Auth-Token** header field must be added to requests to specify the token when calling other APIs. For example, if the token is **ABCDEFG....**, add **X-Auth-Token: ABCDEFG....** to a request as follows:

```
POST https://iam.ap-southeast-1.myhuaweicloud.com/v3.0/OS-USER/users
Content-Type: application/json
X-Auth-Token: ABCDEFG....
```

AK/SK-based Authentication

NOTE

- AK/SK-based authentication supports API requests with a body not larger than 12 MB. For API requests with a larger body, token-based authentication is recommended.
- You can use the AK/SK in a permanent or temporary access key. The **X-Security-Token** field must be configured if the AK/SK in a temporary access key is used, and the field value is **security_token** of the temporary access key.

In AK/SK-based authentication, AK/SK is used to sign requests and the signature is then added to the requests for authentication.

- AK: access key ID, which is a unique identifier used in conjunction with a secret access key to sign requests cryptographically.
- SK: secret access key used with an AK to sign requests cryptographically. It identifies a request sender and prevents the request from being modified.

In AK/SK-based authentication, you can use an AK/SK to sign requests based on the signature algorithm or use the signing SDK to sign requests. For details about how to sign requests and use the signing SDK, see **API Request Signing Guide**.

NOTICE

The signing SDK is only used for signing requests and is different from the SDKs provided by services.

2.3 Response

Status Code

After sending a request, you will receive a response, including a status code, response header, and response body.

A status code is a group of digits, ranging from 1xx to 5xx. It indicates the status of a request. For more information, see **Status Codes**.

For example, if status code **201** is returned for calling the API used to **obtain a user token**, the request is successful.

Response Header

A response header corresponds to a request header, for example, **Content-Type**.

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Figure 2-2 shows the response header for the API of **obtaining a user token**, in which **x-subject-token** is the desired user token. Then, you can use the token to authenticate the calling of other APIs.

Figure 2-2 Header of the response to the request for obtaining a user token

(Optional) Response Body

A response body is generally returned in a structured format, corresponding to the **Content-Type** in the response header, and is used to transfer content other than the response header.

The following shows part of the response body for the API to **obtain a user token**. For the sake of space, only part of the content is displayed here.

```
{
    "token": {
        "expires_at": "2019-02-13T06:52:13.855000Z",
        "methods": [
            "password"
        ],
        "catalog": [
            {
                "endpoints": [
                    {
                        "region_id": "xxxxxxxx",
.....
```

If an error occurs during API calling, the system returns an error code and a message to you. The following shows the format of an error response body:

```
{
    "error": {
        "message": "The request you have made requires authentication.",
        "title": "Unauthorized"
    }
}
```

In the preceding information, **error_code** is an error code, and **error_msg** describes the error.

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3 API

3.1 Querying on the Management Side

3.1.1 Querying AZ Information

Function

Querying AZ Information

URI

GET /v2/{project_id}/availability-zone

Table 3-1 Path Parameters

Parameter	Mandatory	Type	Description
project_id	Yes	String	**Definition**: Project ID You can obtain the value by calling the IAM API for querying the project list of a specified IAM user. ** Restrictions**: N/A **Range**: The value is subject to the return value of the IAM service interface. The value contains 32 to 64 characters. ** Default value**: N/A

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Request Parameters

Table 3-2 Request header parameters

Parameter	Mandatory	Type	Description
X-Auth-Token	Yes	String	** Parameter description**: User token. You can obtain the token by calling the IAM API used to query the user token. The token is the value of X-Subject-Token in the response header. ** Restrictions**: N/A ** Value range**: Used by the IAM service to query the user token. ** Default value**: N/A

Response Parameters

Status code: 200

Table 3-3 Response body parameters

Parameter	Type	Description
azs	Array of **AzInfo** objects	AZ set

Table 3-4 AzInfo

Parameter	Type	Description
zone_name	String	AZ name
zone_number	Integer	AZ ID
az_type	String	AZ Type
alias	String	Chinese alias of the AZ
alias_us	String	English alias of the AZ

Status code: 400

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Table 3-5 Response body parameters

Parameter	Type	Description
details	Array of **DbssErrorDetail** objects	PDP5 authentication exception information
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes
error_msg	String	Error message.

Table 3-6 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

Status code: 403

Table 3-7 Response body parameters

Parameter	Type	Description
details	Array of **DbssErrorDetail** objects	PDP5 authentication exception information
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes
error_msg	String	Error message.

Table 3-8 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

Status code: 500

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Table 3-9 Response body parameters

Parameter	Type	Description
details	Array of DbssErrorDetail objects	PDP5 authentication exception information
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes
error_msg	String	Error message.

Table 3-10 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

Example Requests

/v2/{project_id}/availability-zone

Example Responses

Status code: 200

Success

```
{
  "azs" : [ {
    "zone_name" : "cn-north-7b",
    "zone_number" : 2,
    "az_type" : "normal",
    "alias" : "AZ 2",
    "alias_us" : "AZ2"
  }, {
    "zone_name" : "cn-north-7a",
    "zone_number" : 1,
    "az_type" : "normal",
    "alias" : "AZ 1",
    "alias_us" : "AZ1"
  }, {
    "zone_name" : "cn-north-7c",
    "zone_number" : 3,
    "az_type" : "normal",
    "alias" : "AZ 3",
    "alias_us" : "AZ3"
  } ]
}
```


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Status Codes

Status Code	Description
200	Success
400	Client error
403	Authorization failed.
500	Server error.

Error Codes

See **Error Codes**.

3.1.2 Obtaining the Version Information on the Management Side

Function

Obtain the version information on the management side.

URI

GET /v1/{project_id}/version

Table 3-11 Path Parameters

Parameter	Mandatory	Type	Description
project_id	Yes	String	**Definition**: Specifies the project ID. You can obtain the value by calling the IAM API for querying the project list of a specified IAM user. **Constraints** N/A **Range**: The value is subject to the return value of the IAM service interface. The value contains 32 to 64 characters. **Default Value**: N/A

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Request Parameters

Table 3-12 Request header parameters

Parameter	Mandatory	Type	Description
X-Auth-Token	Yes	String	**Definition**: User token. The token can be queried by calling the IAM API. (The token is the value of X-Subject-Token in the response header.) **Constraints** N/A **Range**: The value is subject to the user token query interface of the IAM service. **Default Value**: N/A

Response Parameters

Status code: 200

Table 3-13 Response body parameters

Parameter	Type	Description
version	String	Version information

Status code: 400

Table 3-14 Response body parameters

Parameter	Type	Description
details	Array of **DbssErrorDetail** objects	PDP5 authentication exception information
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes
error_msg	String	Error message.

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Table 3-15 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

Status code: 401

Table 3-16 Response body parameters

Parameter	Type	Description
details	Array of DbssErrorDetail objects	PDP5 authentication exception information
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes
error_msg	String	Error message.

Table 3-17 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

Status code: 403

Table 3-18 Response body parameters

Parameter	Type	Description
details	Array of DbssErrorDetail objects	PDP5 authentication exception information
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes
error_msg	String	Error message.

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Table 3-19 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

Status code: 500

Table 3-20 Response body parameters

Parameter	Type	Description
details	Array of **DbssErrorDetail** objects	PDP5 authentication exception information
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes
error_msg	String	Error message.

Table 3-21 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

Example Requests

```
/v1/{project_id}/version
```

Example Responses

Status code: 200

OK

```
{
  "version" : "25.2.1.20250806101952"
}
```

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Status Codes

Status Code	Description
200	OK
400	Invalid request parameter.
401	Authorization failed.
403	Unauthorized
500	Server error.

Error Codes

See **Error Codes**.

3.1.3 Querying Encryption or Enhanced O&M Quotas

Function

This API is used to query the encryption/O&M enhancement quota.

URI

GET /v1/{project_id}/instance/quota

Table 3-22 Path Parameters

Parameter	Mandatory	Type	Description
project_id	Yes	String	**Definition**: Project ID. You can obtain the value by calling the IAM API for querying the project list of a specified IAM user. **Constraints** N/A **Range**: The value is subject to the return value of the IAM service interface. The value contains 32 to 64 characters. **Default Value**: N/A

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Request Parameters

Table 3-23 Request header parameters

Parameter	Mandatory	Type	Description
X-Auth-Token	Yes	String	**Definition**: User token. You can obtain the token by calling the IAM API used to query the user token. The token is the value of X-Subject-Token in the response header. **Constraints** N/A **Range**: The value is subject to the user token query interface of the IAM service. **Default Value**: N/A

Response Parameters

Status code: 200

Table 3-24 Response body parameters

Parameter	Type	Description
cpu	Long	CPUs
project_id	String	Project ID
quota	Long	Instance quota
ram	Long	Memory size in MB.

Status code: 400

Table 3-25 Response body parameters

Parameter	Type	Description
details	Array of **DbssErrorDetail** objects	PDP5 authentication exception information

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Parameter	Type	Description
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes
error_msg	String	Error message.

Table 3-26 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

Status code: 401

Table 3-27 Response body parameters

Parameter	Type	Description
details	Array of **DbssErrorDetail** objects	PDP5 authentication exception information
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes
error_msg	String	Error message.

Table 3-28 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

Status code: 403

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Table 3-29 Response body parameters

Parameter	Type	Description
details	Array of **DbssErrorDetail** objects	PDP5 authentication exception information
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes
error_msg	String	Error message.

Table 3-30 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

Status code: 500

Table 3-31 Response body parameters

Parameter	Type	Description
details	Array of **DbssErrorDetail** objects	PDP5 authentication exception information
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes
error_msg	String	Error message.

Table 3-32 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

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Example Requests

```
/v1/{project_id}/instance/quota
```

Example Responses

Status code: 200

OK

```
{
  "quota" : 196,
  "cpu" : 10,
  "ram" : 100,
  "project_id" : "b9351f98c724428794ba7d105fa3558d"
}
```

Status Codes

Status Code	Description
200	OK
400	Invalid request parameter.
401	Authorization failed.
403	Unauthorized
500	Server error.

Error Codes

See **Error Codes**.

3.2 Dashboard

3.2.1 Querying Audit Summary Information

Function

Querying Audit Summary Information

URI

GET /v2/{project_id}/audit/summary/info

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Table 3-33 Path Parameters

Parameter	Mandatory	Type	Description
project_id	Yes	String	**Definition**: Specifies the project ID. You can obtain the value by calling the IAM API for querying the project list of a specified IAM user. **Constraints** N/A **Range**: The value is subject to the return value of the IAM service interface. The value contains 32 to 64 characters. **Default Value**: N/A

Table 3-34 Query Parameters

Parameter	Mandatory	Type	Description
offset	No	String	**Definition**: Pagination offset. The query starts after the offset of the first data record. ** Restrictions**: Only integers greater than or equal to 0 are supported. **Range**: Greater than or equal to 0 ** Default value**: The default value is 0.

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Parameter	Mandatory	Type	Description
limit	No	String	**Definition**: Number of records queried on each page. ** Restrictions**: Only integers greater than 0 are supported. **Range**: Greater than 0 and less than or equal to 10000 ** Default value**: The default value is 100.

Request Parameters

Table 3-35 Request header parameters

Parameter	Mandatory	Type	Description
X-Auth-Token	Yes	String	**Definition**: User token. You can obtain the token by calling the IAM API used to query the user token. The token is the value of X-Subject-Token in the response header. **Constraints** N/A ** Value range**: The value is subject to the user token query interface of the IAM service. **Default Value**: N/A

Response Parameters

Status code: 200

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Table 3-36 Response body parameters

Parameter	Type	Description
project_id	String	Project ID
audit_duration	Long	Audit duration
total_sql	Long	Total statements
total_risk	Long	Total risk
today_sql	Long	Today's statements
today_risk	Long	Today's risk
today_session	Long	Today's session
update_time	Long	Update time.
data_list	Array of **data_list** objects	Version list.
total	Integer	Total number of license files

Table 3-37 data_list

Parameter	Type	Description
id	Long	ID
status	String	Alarm status. • 1: success • 2: failure
project_id	String	Project ID
instance_id	Long	Instance ID
instance_name	String	Instance name
audit_duration	Long	Audit duration
total_sql	Long	Total statements
total_risk	Long	Total risk
today_sql	Long	Today's statements
today_risk	Long	Today's risk
today_session	Long	Today's session
update_time	Long	Update time.
reserve1	String	Reserved word 1
reserve2	String	Reserved word 2

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Status code: 400

Table 3-38 Response body parameters

Parameter	Type	Description
details	Array of DbssErrorDetail objects	PDP5 authentication exception information
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes
error_msg	String	Error message.

Table 3-39 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

Status code: 403

Table 3-40 Response body parameters

Parameter	Type	Description
details	Array of DbssErrorDetail objects	PDP5 authentication exception information
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes
error_msg	String	Error message.

Table 3-41 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes

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Parameter	Type	Description
error_msg	String	PDP5 error information

Status code: 500

Table 3-42 Response body parameters

Parameter	Type	Description
details	Array of DbssErrorDetail objects	PDP5 authentication exception information
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes
error_msg	String	Error message.

Table 3-43 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

Example Requests

/v2/{project_id}/audit/summary/info

Example Responses

Status code: 200

Audit summary information


```
{
  "project_id" : "b9351f98c724428794ba7d105fa3558d",
  "audit_duration" : 99423,
  "total_sql" : 120267839,
  "total_risk" : 1597508,
  "today_sql" : 4354,
  "today_risk" : 4354,
  "today_session" : 4350,
  "update_time" : 1712570404644,
  "total" : 2,
  "data_list" : [ {
    "id" : 235049,
    "status" : "1",
    "reserve1" : null,
    "reserve2" : null,
```


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```
    "project_id" : "b9351f98c724428794ba7d105fa3558d",
    "instance_id" : 5542,
    "instance_name" : "DBSS-mysql8-test",
    "audit_duration" : 99423,
    "total_sql" : 3537,
    "total_risk" : 380,
    "today_sql" : 0,
    "today_risk" : 0,
    "today_session" : 0,
    "update_time" : 1712570404093
  }, {
    "id" : 235050,
    "status" : "1",
    "reserve1" : null,
    "reserve2" : null,
    "project_id" : "b9351f98c724428794ba7d105fa3558d",
    "instance_id" : 5550,
    "instance_name" : "DBSS-Q1-test",
    "audit_duration" : 0,
    "total_sql" : 148,
    "total_risk" : 36,
    "today_sql" : 0,
    "today_risk" : 0,
    "today_session" : 0,
    "update_time" : 1712570404138
  } ]
}
```


Status Codes

Status Code	Description
200	Audit summary information
400	Incorrect request parameter.
403	Authorization failed.
500	Internal server error.

Error Codes

See **Error Codes**.

3.2.2 Updating the Status of a Tenant Audit Information Summary Task

Function

Update the status of a tenant audit information summary task.

URI

POST /v1/{project_id}/audit/summary/{busi_type}/task-status

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Table 3-44 Path Parameters

Parameter	Mandatory	Type	Description
project_id	Yes	String	**Definition** Project ID. You can obtain the value by calling the IAM API for [querying the project list of a specified IAM user]. **Constraints** N/A **Range** The value is determined by the value of the IAM API. The value contains 32 to 64 characters. **Default Value** N/A
busi_type	Yes	String	**Definition** Service type. **Constraints** The value is case sensitive and is subject to the value range. **Range** • **risk**: risk • **risk**: audit instance **Default Value** N/A

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Request Parameters

Table 3-45 Request header parameters

Parameter	Mandatory	Type	Description
X-Auth-Token	Yes	String	**Definition** User token. The token can be queried by calling the IAM API. (The token is the value of X-Subject-Token in the response header.) **Constraints** N/A **Range** Determined by the value of the IAM API used for querying user tokens. **Default Value** N/A

Table 3-46 Request body parameters

Parameter	Mandatory	Type	Description
code	No	String	Operation code. This parameter is mandatory when operType is set to switch. • on: enabled • off: disabled
oper_type	Yes	String	Operation Type • switch: task switch • execute: update immediately
query_begin_time	No	Long	Query condition: start time
query_end_time	No	Long	Query condition: end time

Response Parameters

Status code: 200

Operation successful

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Status code: 400

Table 3-47 Response body parameters

Parameter	Type	Description
details	Array of **DbssErrorDetail** objects	PDP5 authentication exception information
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes
error_msg	String	Error message.

Table 3-48 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

Status code: 401

Table 3-49 Response body parameters

Parameter	Type	Description
details	Array of **DbssErrorDetail** objects	PDP5 authentication exception information
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes
error_msg	String	Error message.

Table 3-50 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

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Status code: 403

Table 3-51 Response body parameters

Parameter	Type	Description
details	Array of **DbssErrorDetail** objects	PDP5 authentication exception information
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes
error_msg	String	Error message.

Table 3-52 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

Status code: 500

Table 3-53 Response body parameters

Parameter	Type	Description
details	Array of **DbssErrorDetail** objects	PDP5 authentication exception information
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes
error_msg	String	Error message.

Table 3-54 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

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Example Requests

```
/v1/{project_id}/audit/summary/{busi_type}/task-status

{
  "code" : "on",
  "oper_type" : "switch"
}
```

Example Responses

None

Status Codes

Status Code	Description
200	Operation successful
400	Invalid request parameter.
401	Authorization failed.
403	Unauthorized
500	Server error.

Error Codes

See **Error Codes**.

3.2.3 Obtaining the Risk Summary of All Instances of a Tenant

Function

Obtain the risk summary of all the instances of a tenant.

URI

GET /v1/{project_id}/audit/summary/risk/statistics

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Table 3-55 Path Parameters

Parameter	Mandatory	Type	Description
project_id	Yes	String	**Definition** Project ID. You can obtain the value by calling the IAM API for [querying the project list of a specified IAM user]. **Constraints** N/A **Range** The value is determined by the value of the IAM API. The value contains 32 to 64 characters. **Default Value** N/A

Request Parameters

Table 3-56 Request header parameters

Parameter	Mandatory	Type	Description
X-Auth-Token	Yes	String	**Definition** User token. The token can be queried by calling the IAM API. (The token is the value of X-Subject-Token in the response header.) **Constraints** N/A **Range** Determined by the value of the IAM API used for querying user tokens. **Default Value** N/A

Response Parameters

Status code: 200

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Table 3-57 Response body parameters

Parameter	Type	Description
db_risk_statistics	Array of **DatabaseRiskStatisticsDto** objects	Database Risk Statistics
high_risk_total	Long	Total High Risks
low_risk_total	Long	Low-risk quantity
medium_risk_total	Long	Total Medium Risks
project_id	String	Project ID
rule_risk_statistics	Array of **RuleRiskStatisticsDto** objects	Risk Rule Statistics
unsupported_audit_infos	**UnSupportAuditInfoResponse** object	Audit is not supported.
update_time	Long	Update time.

Table 3-58 DatabaseRiskStatisticsDto

Parameter	Type	Description
db_id	String	The database record ID.
db_ip	String	Database IP address
db_name	String	Database name
high_risk	Long	Total High Risks
instance_id	String	Instance ID
instance_name	String	Instance name
low_risk	Long	Low-risk quantity
medium_risk	Long	Total Medium Risks
risk_rule	Array of **RiskRuleStatistic** objects	Risk Rule Statistics
total_risk	Long	Total number of risks

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Table 3-59 RiskRuleStatistic

Parameter	Type	Description
count	Long	Quantity
rule_name	String	Rule Name
rule_name_english	String	Rule Name (En)

Table 3-60 RuleRiskStatisticsDto

Parameter	Type	Description
count	Long	Quantity
instance_risk_count	Array of **AuditInsanceRiskCount** objects	Instance database risk summary
rule_name	String	Rule name.

Table 3-61 AuditInsanceRiskCount

Parameter	Type	Description
count	Long	Risks
db_id	String	The database record ID.
db_ip	String	Database IP address
db_name	String	Database name
instance_id	String	Instance ID
instance_name	String	Instance name

Table 3-62 UnSupportAuditInfoResponse

Parameter	Type	Description
audit_infos	Array of **UnSupportAuditInfo** objects	Audit information
support_version	String	Supported version

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Table 3-63 UnSupportAuditInfo

Parameter	Type	Description
audit_version	String	Instance version
server_name	String	Pod name

Status code: 400

Table 3-64 Response body parameters

Parameter	Type	Description
details	Array of **DbssErrorDetail** objects	PDP5 authentication exception information
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes
error_msg	String	Error message.

Table 3-65 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

Status code: 401

Table 3-66 Response body parameters

Parameter	Type	Description
details	Array of **DbssErrorDetail** objects	PDP5 authentication exception information
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes
error_msg	String	Error message.

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Table 3-67 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

Status code: 403

Table 3-68 Response body parameters

Parameter	Type	Description
details	Array of **DbssErrorDetail** objects	PDP5 authentication exception information
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes
error_msg	String	Error message.

Table 3-69 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

Status code: 500

Table 3-70 Response body parameters

Parameter	Type	Description
details	Array of **DbssErrorDetail** objects	PDP5 authentication exception information
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes
error_msg	String	Error message.

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Table 3-71 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

Example Requests

/v1/{project_id}/audit/summary/risk/statistics

Example Responses

Status code: 200

OK


```
{
  "project_id" : "b9351f98c724428794ba7d105fa3558d",
  "update_time" : 1753427747773,
  "high_risk_total" : 11,
  "medium_risk_total" : 1,
  "low_risk_total" : 0,
  "unsupported_audit_infos" : {
    "support_version" : "23.11.14.095000",
    "audit_infos" : [ ]
  },
  "rule_risk_statistics" : [ {
    "count" : 11,
    "rule_name" : "Dirty table abnormal enable test",
    "instance_risk_count" : [ {
      "count" : 11,
      "instance_id" : "003a3add086d5617bb0e416eac5bfffd",
      "instance_name" : "DBSS-chen2504-DoNotDelete",
      "db_id" : "fTZDOpgB2XtjGzFKOmK4",
      "db_name" : "zyb-test",
      "db_ip" : "10.0.147.151"
    } ]
  } ],
  "db_risk_statistics" : [ {
    "db_id" : "fTZDOpgB2XtjGzFKOmK4",
    "db_name" : "zyb-test",
    "db_ip" : "10.0.147.151",
    "instance_name" : "DBSS-chen2504-DoNotDelete",
    "instance_id" : "003a3add086d5617bb0e416eac5bfffd",
    "high_risk" : 11,
    "medium_risk" : 1,
    "low_risk" : 0,
    "total_risk" : 12,
    "risk_rule" : [ {
      "rule_name" : "Dirty table abnormal enable test",
      "rule_name_english" : "Dirty table abnormal enable test",
      "count" : 11
    }, {
      "rule_name" : "UNION Query SQL Injection",
      "rule_name_english" : "UNION_QUERY",
      "count" : 1
    } ]
  } ]
}
```


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Status Codes

Status Code	Description
200	OK
400	Invalid request parameter.
401	Authorization failed.
403	Unauthorized
500	Server error.

Error Codes

See **Error Codes**.

3.2.4 Obtaining the Status of the Tenant Audit Information Summary Task

Function

Obtaining the Status of the Tenant Audit Information Summary Task

URI

GET /v3/{project_id}/audit/summary/{busi_type}/task-status

Table 3-72 Path Parameters

Parameter	Mandatory	Type	Description
project_id	Yes	String	**Definition**: Project ID You can obtain the value by calling the IAM API for querying the project list of a specified IAM user. ** Restrictions**: N/A **Range**: The value is subject to the return value of the IAM service interface. The value contains 32 to 64 characters. ** Default value**: N/A

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Parameter	Mandatory	Type	Description
busi_type	Yes	String	**Definition**: Service type. **Constraints**: N/A **Value range**: • audit: audit instance • risk **Default value**: N/A

Request Parameters

Table 3-73 Request header parameters

Parameter	Mandatory	Type	Description
X-Auth-Token	Yes	String	** Parameter description**: User token. You can obtain the token by calling the IAM API used to query the user token. The token is the value of X-Subject-Token in the response header. ** Restrictions**: N/A ** Value range**: Used by the IAM service to query the user token. ** Default value**: N/A

Response Parameters

Status code: 200

Table 3-74 Response body parameters

Parameter	Type	Description
begin_time	Long	Start time

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Parameter	Type	Description
busi_type	String	Service type. • audit • risk
completed_num	Integer	Counted instances
end_time	Long	End time
id	Long	Task ID
project_id	String	Project ID
query_begin_time	Long	Query condition: start time
query_end_time	Long	Query condition: end time
task_status	String	Task status. The options are as follows: • 0: ready • 2: success • 3: failed -1: running
task_switch	String	Specifies the task switch.
total_num	Integer	Total Instances

Status code: 400

Table 3-75 Response body parameters

Parameter	Type	Description
details	Array of DbssErrorDetail objects	PDP5 authentication exception information
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes
error_msg	String	Error message.

Table 3-76 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes

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Parameter	Type	Description
error_msg	String	PDP5 error information

Status code: 401

Table 3-77 Response body parameters

Parameter	Type	Description
details	Array of DbssErrorDetail objects	PDP5 authentication exception information
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes
error_msg	String	Error message.

Table 3-78 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

Status code: 403

Table 3-79 Response body parameters

Parameter	Type	Description
details	Array of DbssErrorDetail objects	PDP5 authentication exception information
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes
error_msg	String	Error message.

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Table 3-80 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

Status code: 500

Table 3-81 Response body parameters

Parameter	Type	Description
details	Array of DbssErrorDetail objects	PDP5 authentication exception information
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes
error_msg	String	Error message.

Table 3-82 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

Example Requests

```
/v3/{project_id}/audit/summary/{busi_type}/task-status
```

Example Responses

Status code: 200

OK

```
{
  "id" : 32,
  "project_id" : "b9351f98c724428794ba7d105fa3558d",
  "busi_type" : "risk",
  "task_switch" : "off",
  "task_status" : "2",
  "total_num" : 10,
  "completed_num" : 10,
  "begin_time" : 1753427737077,
  "end_time" : 1753427757803,
  "query_begin_time" : 1752974753000,
```


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```
  "query_end_time" : 1753427733000
}
```

Status Codes

Status Code	Description
200	OK
400	Invalid request parameter.
401	Authorization failed.
403	Unauthorized
500	Server error.

Error Codes

See **Error Codes**.

3.3 Data Reports

3.3.1 Querying Audit SQL Statements

Function

Querying Audit SQL Statements

URI

POST /v2/{project_id}/audit/{instance_id}/sqls

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Table 3-83 Path Parameters

Parameter	Mandatory	Type	Description
project_id	Yes	String	** Parameter description**: Specifies the project ID. You can obtain the value by calling the IAM API for querying the project list of a specified IAM user. ** Restrictions**: N/A ** Value range**: The value is subject to the return value of the IAM service interface. The value contains 32 to 64 characters. ** Default value**: N/A
instance_id	Yes	String	**Definition**: Instance ID. The value can be obtained from the ID field of the API for querying the instance list. ** Restrictions**: N/A **Range**: The value is subject to the value of the API for querying the instance list. The value contains 32 to 64 characters. ** Default value**: N/A

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Request Parameters

Table 3-84 Request header parameters

Parameter	Mandatory	Type	Description
X-Auth-Token	Yes	String	** Parameter description**: User token. You can obtain the token by calling the IAM API used to query the user token. The token is the value of X-Subject-Token in the response header. ** Restrictions**: N/A ** Value range**: Used by the IAM service to query the user token. ** Default value**: N/A

Table 3-85 Request body parameters

Parameter	Mandatory	Type	Description
time	Yes	**time** object	Query time range
risk_levels	No	String	Risk level • HIGH: high • MEDIUM: medium • LOW: low • NO_RISK: none
client_ip	No	String	Client IP address
client_name	No	String	Client name
db_ip	No	String	Database IP address
db_user	No	String	Database User
query_type	No	String	Query type LOGIN,CREATE_TABLE,CREATE_TABLESPACE,DROP_TABLE,DROP_TABLESPACE,DELETE,INSERT,INSERT_SELECT,SELECT,SELECT_FOR_UPDATE,UPDATE,CREATE_USER,DROP_USER,GRANT,OPERATE ALL

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Parameter	Mandatory	Type	Description
rule_name	No	String	Rule Name
sql_statement	No	String	SQL statement
sql_response	No	String	Response Result • SUCCESS • FAILED
page	Yes	Integer	Page number
size	Yes	Integer	Number of records.
time_order	Yes	String	Time sequence. The value can be: • DESC • ASC

Table 3-86 time

Parameter	Mandatory	Type	Description
time_range	No	String	Time range. This parameter cannot be used together with start_time and end_time. If they are used together, this parameter has a higher priority. The value can be: • HALF_HOUR: half an hour • HOUR: 1 hour • THREE_HOUR: 3 hours • TWELVE_HOUR: 12 hours • DAY: 1 day • WEEK: one week • MONTH: one month
start_time	No	String	Start time, which must be in pairs with end_time. The format must be yyyy-MM-dd HH:mm:ss. Time when an action occurred, in UTC time.
end_time	No	String	End time, which must be in pairs with start_time. The format must be yyyy-MM-dd HH:mm:ss. Time when an action occurred, in UTC time.

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Response Parameters

Status code: 200

Table 3-87 Response body parameters

Parameter	Type	Description
total	Integer	Total number of license files
count	Integer	Total number of license files
sqls	Array of **sqls** objects	SQL statement list

Table 3-88 sqls

Parameter	Type	Description
sql	**sql** object	SQL information

Table 3-89 sql

Parameter	Type	Description
id	String	ID
sql_statement	String	SQL statement
client_ip	String	Client IP address
client_name	String	Client name
db_ip	String	Database IP address
db_user	String	Database Username
query_type	String	Query typeLOGIN,CREATE_TABLE,CREATE_TABLESPACE,DROP_TABLE, DROP_TABLESPACE,DELETE,INSERT,INSERT_SELECT,SELECT,SELECT_FOR_UPDATE, UPDATE,CREATE_USER,DROP_USER,GRANT,OPERATE ALL
operated_obj_info	Array of **operated_obj_info** objects	Action objects
rule_name	String	Rule Name

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Parameter	Type	Description
risk_level	String	Risk level • HIGH • MEDIUM • LOW • NO_RISK
start_time	String	Audit start time
sql_response	String	Response Result • SUCCESS • FAILED
db_instance	String	Database instance

Table 3-90 operated_obj_info

Parameter	Type	Description
column_name	String	Parameter
object_type	String	Operation Object Type
schema_name	String	Schema name
sql_type	String	SQL type
sys_name	String	System Name
table_name	String	Table Name

Status code: 400

Table 3-91 Response body parameters

Parameter	Type	Description
details	Array of DbssErrorDetail objects	PDP5 authentication exception information
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes
error_msg	String	Error message.

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Table 3-92 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

Status code: 403

Table 3-93 Response body parameters

Parameter	Type	Description
details	Array of DbssErrorDetail objects	PDP5 authentication exception information
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes
error_msg	String	Error message.

Table 3-94 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

Status code: 500

Table 3-95 Response body parameters

Parameter	Type	Description
details	Array of DbssErrorDetail objects	PDP5 authentication exception information
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes
error_msg	String	Error message.

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Table 3-96 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

Example Requests

/v2/{project_id}/audit/{instance_id}/sqls

```
{
  "time" : {
    "time_range" : "DAY",
    "start_time" : null,
    "end_time" : null
  },
  "risk_levels" : null,
  "client_ip" : null,
  "client_name" : null,
  "db_ip" : null,
  "db_user" : null,
  "query_type" : null,
  "rule_name" : null,
  "sql_statement" : null,
  "sql_response" : null,
  "page" : 1,
  "size" : 50,
  "time_order" : "DESC"
}
```

Example Responses

Status code: 200

Success

```
{
  "total" : 2,
  "count" : 2,
  "sqls" : [ {
    "sql" : {
      "id" : "o1n8BI8BDdIO3rwS4Rea",
      "sql_statement" : "create table test(name varchar(1000), age int)",
      "client_ip" : "fe80::f816:3eff:feca:22f5",
      "client_name" : "",
      "db_ip" : "fe80::f816:3eff:feca:22f5",
      "db_user" : "root",
      "query_type" : "CREATE TABLE",
      "operated_obj_info" : [ {
        "column_name" : "",
        "object_type" : "TABLE",
        "schema_name" : "test",
        "sql_type" : "CREATE TABLE",
        "sys_name" : "",
        "table_name" : "test"
      }, {
        "column_name" : "",
        "object_type" : "TABLE",
        "schema_name" : "test",
        "sql_type" : "CREATE",
        "sys_name" : "",
        "table_name" : "test"
      } ],
```

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```
    "rule_name" : "Full audit rules",
    "risk_level" : "",
    "start_time" : "2024-04-22 08:46:02",
    "sql_response" : "SUCCESS",
    "db_instance" : ""
  }
 }, {
  "sql" : {
    "id" : "pFn8BI8BDdIO3rwS4Rea",
    "sql_statement" : "create table test",
    "client_ip" : "fe80::f816:3eff:feca:22f5",
    "client_name" : "",
    "db_ip" : "fe80::f816:3eff:feca:22f5",
    "db_user" : "root",
    "query_type" : "CREATE",
    "operated_obj_info" : [ {
      "column_name" : "",
      "object_type" : "",
      "schema_name" : "test",
      "sql_type" : "CREATE",
      "sys_name" : "",
      "table_name" : ""
    } ],
    "rule_name" : "Full audit rules",
    "risk_level" : "",
    "start_time" : "2024-04-22 08:46:02",
    "sql_response" : "FAILED",
    "db_instance" : ""
  }
 } ]
}
```


Status Codes

Status Code	Description
200	Success
400	Incorrect request parameter.
403	Authorization failed.
500	Internal server error.

Error Codes

See **Error Codes**.

3.3.2 Obtaining Details About a Specified SQL Statement

Function

Obtaining Details About a Specified SQL Statement

URI

GET /v2/{project_id}/audit/{instance_id}/sqls/{id}

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Table 3-97 Path Parameters

Parameter	Mandatory	Type	Description
project_id	Yes	String	** Parameter description**: Specifies the project ID. You can obtain the value by calling the IAM API for querying the project list of a specified IAM user. ** Restrictions**: N/A ** Value range**: The value is subject to the return value of the IAM service interface. The value contains 32 to 64 characters. ** Default value**: N/A
instance_id	Yes	String	**Definition**: Instance ID. The value can be obtained from the ID field of the API for querying the instance list. ** Restrictions**: N/A **Range**: The value is subject to the value of the API for querying the instance list. The value contains 32 to 64 characters. ** Default value**: N/A

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Parameter	Mandatory	Type	Description
id	Yes	String	**Definition**: SQL statement ID. You can obtain the value from the interface ID field in the SQL list. ** Restrictions**: N/A **Range**: The value obtained through the SQL list query interface is used. ** Default value**: N/A

Request Parameters

Table 3-98 Request header parameters

Parameter	Mandatory	Type	Description
X-Auth-Token	Yes	String	**Definition**: User token. The token can be queried by calling the IAM API. (The token is the value of X-Subject-Token in the response header.) ** Restrictions**: N/A **Range**: Used by the IAM service to query the user token. ** Default value**: N/A

Response Parameters

Status code: 200

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Table 3-99 Response body parameters

Parameter	Type	Description
sql	**SqlDetailBean** object	SQL statement object

Table 3-100 SqlDetailBean

Parameter	Type	Description
audit_result	String	Audit results
client_port	Integer	Client port
client_ip	String	Client IP address
client_mac	String	Client MAC address
client_name	String	Client name
client_os_name	String	Host name of the client system
client_os_user	String	Username of the client OS
client_port_str	String	Client port character
client_tool	String	Client connection tool
db_port	Integer	Database port
db_instance	String	Database instance
db_ip	String	Database IP address.
db_mac	String	Database MAC address
db_port_str	String	Database port character
db_service_name	String	Database service name
db_session_id	String	Database connection ID.
db_type	String	Database type.
db_user	String	Database user.
end_time	String	Request end time.
execute_time	Long	Execution duration
field	String	Operation object type information.
id	String	Record ID.

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Parameter	Type	Description
level	String	Risk severity. • **LOW**: low • **MEDIUM**: medium • **HIGH**: high • **NO_RISK**: none
lines	String	Number of rows affected.
log_result	String	Login and logout result
object	String	Operation object
object_type	String	Operation object type
query_id	String	Query ID
query_type	String	Operation type
response_length	Integer	Data length.
response_status	String	Response status
rule_id	String	Rule ID
rule_name	String	Rule name.
rule_type	String	Rule type
schema	String	Database schema
scope_id	String	Audit scope ID
scope_name	String	Audit scope name
sql_response	String	SQL response
sql_result	String	SQL processing result
sql_statement	String	SQL statement content
start_time	String	Request start time
tcp_session_id	String	TCP connection ID

Status code: 400

Table 3-101 Response body parameters

Parameter	Type	Description
details	Array of **DbssErrorDetail** objects	PDP5 authentication exception information

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Parameter	Type	Description
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes
error_msg	String	Error message.

Table 3-102 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

Status code: 401

Table 3-103 Response body parameters

Parameter	Type	Description
details	Array of **DbssErrorDetail** objects	PDP5 authentication exception information
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes
error_msg	String	Error message.

Table 3-104 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

Status code: 403

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Table 3-105 Response body parameters

Parameter	Type	Description
details	Array of **DbssErrorDetail** objects	PDP5 authentication exception information
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes
error_msg	String	Error message.

Table 3-106 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

Status code: 500

Table 3-107 Response body parameters

Parameter	Type	Description
details	Array of **DbssErrorDetail** objects	PDP5 authentication exception information
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes
error_msg	String	Error message.

Table 3-108 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

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Example Requests

/v1/{project_id}/audit/{instance_id}/sqls/{id}

Example Responses

Status code: 200

OK


```
{
  "sql" : {
    "id" : "J8Zcg5gBPj4d6CRtK3Y4",
    "schema" : "",
    "object" : null,
    "field" : null,
    "lines" : "1",
    "level" : "",
    "query_id" : "16d3aeff-c11c-4d22-8e60-d943b9f55dc5",
    "tcp_session_id" : "10374",
    "db_session_id" : "10374",
    "db_user" : "root",
    "db_type" : "MySQL5.7.44-241205",
    "db_service_name" : "",
    "db_instance" : "",
    "db_ip" : "10.0.0.37",
    "db_port" : 3306,
    "db_port_str" : "3306",
    "db_mac" : "",
    "client_name" : "",
    "client_ip" : "100.79.0.247",
    "client_port" : 0,
    "client_port_str" : "--",
    "client_mac" : "",
    "client_tool" : "",
    "client_os_name" : "",
    "client_os_user" : "",
    "sql_statement" : "SELECT @@session.transaction_isolation",
    "query_type" : "SELECT",
    "object_type" : "VARIABLE",
    "sql_result" : "SUCCESS",
    "sql_response" : null,
    "log_result" : "",
    "response_status" : "EXECUT_SUCCESS",
    "response_length" : 0,
    "start_time" : "2025-08-07 06:57:43",
    "end_time" : "2025-08-07 06:57:43",
    "audit_result" : "SUCCESS",
    "scope_id" : "tcg7LJgBTpKZyZbbeDjk",
    "scope_name" : "FULL_AUDIT_RULES",
    "rule_type" : "",
    "rule_id" : "",
    "rule_name" : "",
    "execute_time" : 0
  }
}
```


Status Codes

Status Code	Description
200	OK
400	Invalid request parameter.

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Status Code	Description
401	Authorization failed.
403	Unauthorized
500	Server error.

Error Codes

See **Error Codes**.

3.3.3 Obtaining SQL Distribution Statistics in a Specified Period

Function

This API is used to query the SQL distribution statistics in a specified period.

URI

POST /v1/{project_id}/audit/{instance_id}/statistics/trend/sql-type

Table 3-109 Path Parameters

Parameter	Mandatory	Type	Description
project_id	Yes	String	**Definition**: Specifies the project ID. You can obtain the value by calling the IAM API for querying the project list of a specified IAM user. **Constraints** N/A **Range**: The value is subject to the return value of the IAM service interface. The value contains 32 to 64 characters. **Default Value**: N/A

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Parameter	Mandatory	Type	Description
instance_id	Yes	String	**Definition**: Instance ID. The value can be obtained from the ID field of the API for querying the instance list. **Constraints** N/A **Range**: The value is subject to the value of the API for querying the instance list. The value contains 32 to 64 characters. **Default Value**: N/A

Request Parameters

Table 3-110 Request header parameters

Parameter	Mandatory	Type	Description
X-Auth-Token	Yes	String	**Definition**: User token. You can obtain the token by calling the IAM API used to query the user token. The token is the value of X-Subject-Token in the response header. **Constraints** N/A **Range**: The value is subject to the user token query interface of the IAM service. **Default Value**: N/A

Table 3-111 Request body parameters

Parameter	Mandatory	Type	Description
db_id	No	String	The database record ID.

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Parameter	Mandatory	Type	Description
regenerate	Yes	Integer	Regenerate • 1: yes • 0: no
time	Yes	Duration object	Query time range. time_range takes precedence over start_time/end_time.

Table 3-112 Duration

Parameter	Mandatory	Type	Description
end_time	No	String	End time
start_time	No	String	Start time
time_range	No	String	time_range • HALF_HOUR: half an hour • HOUR: 1 hour • THREE_HOUR: 3 hours • TWELVE_HOUR: 12 hours • DAY: 1 day • WEEK: 1 week • MONTH: 1 month

Response Parameters

Status code: 200

Table 3-113 Response body parameters

Parameter	Type	Description
generate_time	String	Created
sql_statistics	Array of SQLStatisticsBean objects	SQL statistics
status	String	Alarm status. • FINISHED: completed • **RUNNING**: The instance is running.

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Table 3-114 SQLStatisticsBean

Parameter	Type	Description
delete_num	Long	Number of deleted items.
insert_num	Long	Number of inserted items.
other_num	Long	Number of other items.
period	String	Period
select_num	Long	Number of queried items.
update_num	Long	Number of updated items.

Status code: 400

Table 3-115 Response body parameters

Parameter	Type	Description
details	Array of **DbssErrorDetail** objects	PDP5 authentication exception information
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes
error_msg	String	Error message.

Table 3-116 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

Status code: 401

Table 3-117 Response body parameters

Parameter	Type	Description
details	Array of **DbssErrorDetail** objects	PDP5 authentication exception information

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Parameter	Type	Description
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes
error_msg	String	Error message.

Table 3-118 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

Status code: 403

Table 3-119 Response body parameters

Parameter	Type	Description
details	Array of **DbssErrorDetail** objects	PDP5 authentication exception information
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes
error_msg	String	Error message.

Table 3-120 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

Status code: 500

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Table 3-121 Response body parameters

Parameter	Type	Description
details	Array of DbssErrorDetail objects	PDP5 authentication exception information
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes
error_msg	String	Error message.

Table 3-122 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

Example Requests

/v1/{project_id}/audit/{instance_id}/statistics/trend/sql-type

```
{
  "regenerate" : 0,
  "time" : {
    "time_range" : "HOUR"
  }
}
```

Example Responses

Status code: 200

OK

```
{
  "status" : "finished",
  "generate_time" : "2025-08-20 07:58:58",
  "sql_statistics" : [ {
    "period" : "2025-08-19 17:03:52",
    "update_num" : 0,
    "insert_num" : 0,
    "delete_num" : 0,
    "select_num" : 0,
    "other_num" : 0
  }, {
    "period" : "2025-08-19 18:07:44",
    "update_num" : 0,
    "insert_num" : 0,
    "delete_num" : 0,
    "select_num" : 0,
    "other_num" : 0
  } ]
}
```


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Status Codes

Status Code	Description
200	OK
400	Invalid request parameter.
401	Authorization failed.
403	Unauthorized
500	Server error.

Error Codes

See **Error Codes**.

3.3.4 Obtaining Statistics on Query Sessions in a Specified Period

Function

This API is used to query the session statistics in a specified period.

URI

POST /v1/{project_id}/audit/{instance_id}/statistics/trend/session

Table 3-123 Path Parameters

Parameter	Mandatory	Type	Description
project_id	Yes	String	**Definition**: Project ID. You can obtain the value by calling the IAM API for querying the project list of a specified IAM user. **Constraints** N/A **Range**: The value is subject to the return value of the IAM service interface. The value contains 32 to 64 characters. **Default Value**: N/A

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Parameter	Mandatory	Type	Description
instance_id	Yes	String	**Definition**: Instance ID. The value can be obtained from the ID field of the API for querying the instance list. **Constraints** N/A **Range**: The value is subject to the value of the API for querying the instance list. The value contains 32 to 64 characters. **Default Value**: N/A

Request Parameters

Table 3-124 Request header parameters

Parameter	Mandatory	Type	Description
X-Auth-Token	Yes	String	**Definition**: User token. You can obtain the token by calling the IAM API used to query the user token. The token is the value of X-Subject-Token in the response header. **Constraints** N/A **Range**: The value is subject to the user token query interface of the IAM service. **Default Value**: N/A

Table 3-125 Request body parameters

Parameter	Mandatory	Type	Description
db_id	No	String	The database record ID.

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Parameter	Mandatory	Type	Description
regenerate	Yes	Integer	Regenerate • 1: yes • 0: no
time	Yes	**Duration** object	Query time range. time_range takes precedence over start_time/end_time.

Table 3-126 Duration

Parameter	Mandatory	Type	Description
end_time	No	String	End time
start_time	No	String	Start time
time_range	No	String	time_range • HALF_HOUR: half an hour • HOUR: 1 hour • THREE_HOUR: 3 hours • TWELVE_HOUR: 12 hours • DAY: 1 day • WEEK: 1 week • MONTH: 1 month

Response Parameters

Status code: 200

Table 3-127 Response body parameters

Parameter	Type	Description
generate_time	String	Created
session_statistics	Array of **SessionStatistics-Bean** objects	Statistical data list
status	String	Alarm status. • FINISHED: completed • **RUNNING**: The instance is running.

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Table 3-128 SessionStatisticsBean

Parameter	Type	Description
active_session_num	Long	Number of active sessions
fail_session_num	Long	Number of failed sessions
new_session_num	Long	Number of new sessions
period	String	Period

Status code: 400

Table 3-129 Response body parameters

Parameter	Type	Description
details	Array of **DbssErrorDetail** objects	PDP5 authentication exception information
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes
error_msg	String	Error message.

Table 3-130 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

Status code: 401

Table 3-131 Response body parameters

Parameter	Type	Description
details	Array of **DbssErrorDetail** objects	PDP5 authentication exception information
encoded_authorization_message	String	PDP5 authentication exception information

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Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	Error message.

Table 3-132 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

Status code: 403

Table 3-133 Response body parameters

Parameter	Type	Description
details	Array of **DbssErrorDetail** objects	PDP5 authentication exception information
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes
error_msg	String	Error message.

Table 3-134 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

Status code: 500

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Table 3-135 Response body parameters

Parameter	Type	Description
details	Array of DbssErrorDetail objects	PDP5 authentication exception information
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes
error_msg	String	Error message.

Table 3-136 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

Example Requests

```
/v1/{project_id}/audit/{instance_id}/statistics/trend/session

{
  "regenerate" : 0,
  "time" : {
    "time_range" : "HOUR"
  }
}
```

Example Responses

Status code: 200

OK

```
{
  "status" : "finished",
  "generate_time" : "2025-08-20 07:58:58",
  "session_statistics" : [ {
    "period" : "2025-08-19 17:03:52",
    "new_session_num" : 0,
    "fail_session_num" : 0,
    "active_session_num" : 0
  }, {
    "period" : "2025-08-19 18:07:44",
    "new_session_num" : 0,
    "fail_session_num" : 0,
    "active_session_num" : 0
  } ]
}
```


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Status Codes

Status Code	Description
200	OK
400	Invalid request parameter.
401	Authorization failed.
403	Unauthorized
500	Server error.

Error Codes

See **Error Codes**.

3.3.5 Obtaining the Distribution of Risky Operations in a Specified Period

Function

This API is used to query the risky operations distribution statistics in a specified period.

URI

POST /v1/{project_id}/audit/{instance_id}/statistics/trend/risk-operation

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Table 3-137 Path Parameters

Parameter	Mandatory	Type	Description
project_id	Yes	String	**Definition**: Specifies the project ID. You can obtain the value by calling the IAM API for querying the project list of a specified IAM user. **Constraints** N/A **Range**: The value is subject to the return value of the IAM service interface. The value contains 32 to 64 characters. **Default Value**: N/A
instance_id	Yes	String	**Definition**: Instance ID. The value can be obtained from the ID field of the API for querying the instance list. **Constraints** N/A **Range**: The value is subject to the value of the API for querying the instance list. The value contains 32 to 64 characters. **Default Value**: N/A

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Request Parameters

Table 3-138 Request header parameters

Parameter	Mandatory	Type	Description
X-Auth-Token	Yes	String	**Definition**: User token. The token can be queried by calling the IAM API. (The token is the value of X-Subject-Token in the response header.) **Constraints** N/A **Range**: The value is subject to the user token query interface of the IAM service. **Default Value**: N/A

Table 3-139 Request body parameters

Parameter	Mandatory	Type	Description
db_id	No	String	The database record ID.
regenerate	Yes	Integer	Regenerate • 1: yes • 0: no
time	Yes	**Duration** object	Query time range. time_range takes precedence over start_time/end_time.

Table 3-140 Duration

Parameter	Mandatory	Type	Description
end_time	No	String	End time
start_time	No	String	Start time

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Parameter	Mandatory	Type	Description
time_range	No	String	time_range • HALF_HOUR: half an hour • HOUR: 1 hour • THREE_HOUR: 3 hours • TWELVE_HOUR: 12 hours • DAY: 1 day • WEEK: 1 week • MONTH: 1 month

Response Parameters

Status code: 200

Table 3-141 Response body parameters

Parameter	Type	Description
generate_time	String	Created
operation_statistics	Array of **OperationStatisticsBean** objects	Risky Operation Statistics
status	String	Alarm status. • FINISHED: completed • **RUNNING**: The instance is running.

Table 3-142 OperationStatisticsBean

Parameter	Type	Description
period	String	Period
risk_operation_num	Long	Risky operations

Status code: 400

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Table 3-143 Response body parameters

Parameter	Type	Description
details	Array of **DbssErrorDetail** objects	PDP5 authentication exception information
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes
error_msg	String	Error message.

Table 3-144 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

Status code: 401

Table 3-145 Response body parameters

Parameter	Type	Description
details	Array of **DbssErrorDetail** objects	PDP5 authentication exception information
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes
error_msg	String	Error message.

Table 3-146 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

Status code: 403

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Table 3-147 Response body parameters

Parameter	Type	Description
details	Array of **DbssErrorDetail** objects	PDP5 authentication exception information
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes
error_msg	String	Error message.

Table 3-148 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

Status code: 500

Table 3-149 Response body parameters

Parameter	Type	Description
details	Array of **DbssErrorDetail** objects	PDP5 authentication exception information
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes
error_msg	String	Error message.

Table 3-150 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

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Example Requests

```
/v1/{project_id}/audit/{instance_id}/statistics/trend/risk-operation

{
  "regenerate" : 0,
  "time" : {
    "time_range" : "MONTH"
  }
}
```

Example Responses

Status code: 200

OK

```
{
  "status" : "finished",
  "generate_time" : "2025-08-20 07:58:58",
  "operation_statistics" : [ {
    "period" : "2025-08-19 17:03:52",
    "risk_operation_num" : 0
  }, {
    "period" : "2025-08-19 18:07:44",
    "risk_operation_num" : 0
  } ]
}
```

Status Codes

Status Code	Description
200	OK
400	Invalid request parameter.
401	Authorization failed.
403	Unauthorized
500	Server error.

Error Codes

See **Error Codes**.

3.3.6 Obtaining SQL Injection Distribution Statistics in a Specified Period

Function

This API is used to query the SQL injection distribution statistics in a specified period.

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URI

POST /v1/{project_id}/audit/{instance_id}/statistics/trend/sql-injection

Table 3-151 Path Parameters

Parameter	Mandatory	Type	Description
project_id	Yes	String	**Definition**: Project ID You can obtain the value by calling the IAM API for querying the project list of a specified IAM user. **Constraints** N/A **Range**: The value is subject to the return value of the IAM service interface. The value contains 32 to 64 characters. **Default Value**: N/A
instance_id	Yes	String	**Definition**: Instance ID. The value can be obtained from the ID field of the API for querying the instance list. **Constraints** N/A **Range**: The value is subject to the value of the API for querying the instance list. The value contains 32 to 64 characters. **Default Value**: N/A

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Request Parameters

Table 3-152 Request header parameters

Parameter	Mandatory	Type	Description
X-Auth-Token	Yes	String	**Definition**: User token. You can obtain the token by calling the IAM API used to query the user token. The token is the value of X-Subject-Token in the response header. **Constraints** N/A **Range**: Used by the IAM service to query the user token. **Default Value**: N/A

Table 3-153 Request body parameters

Parameter	Mandatory	Type	Description
db_id	No	String	The database record ID.
regenerate	Yes	Integer	Regenerate • 1: yes • 0: no
time	Yes	Duration object	Query time range. time_range takes precedence over start_time/end_time.

Table 3-154 Duration

Parameter	Mandatory	Type	Description
end_time	No	String	End time
start_time	No	String	Start time

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Parameter	Mandatory	Type	Description
time_range	No	String	time_range • HALF_HOUR: half an hour • HOUR: 1 hour • THREE_HOUR: 3 hours • TWELVE_HOUR: 12 hours • DAY: 1 day • WEEK: 1 week • MONTH: 1 month

Response Parameters

Status code: 200

Table 3-155 Response body parameters

Parameter	Type	Description
generate_time	String	Created
injection_statistics	Array of **InjectionStatisticsBean** objects	Injection list
status	String	Alarm status. • FINISHED: completed • **RUNNING**: The instance is running.

Table 3-156 InjectionStatisticsBean

Parameter	Type	Description
injection_num	Long	Injection quantity
period	String	Period

Status code: 400

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Table 3-157 Response body parameters

Parameter	Type	Description
details	Array of **DbssErrorDetail** objects	PDP5 authentication exception information
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes
error_msg	String	Error message.

Table 3-158 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

Status code: 401

Table 3-159 Response body parameters

Parameter	Type	Description
details	Array of **DbssErrorDetail** objects	PDP5 authentication exception information
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes
error_msg	String	Error message.

Table 3-160 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

Status code: 403

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Table 3-161 Response body parameters

Parameter	Type	Description
details	Array of **DbssErrorDetail** objects	PDP5 authentication exception information
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes
error_msg	String	Error message.

Table 3-162 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

Status code: 500

Table 3-163 Response body parameters

Parameter	Type	Description
details	Array of **DbssErrorDetail** objects	PDP5 authentication exception information
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes
error_msg	String	Error message.

Table 3-164 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

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Example Requests

```
/v1/{project_id}/audit/{instance_id}/statistics/trend/sql-injection

{
  "regenerate" : 0,
  "time" : {
    "time_range" : "MONTH"
  }
}
```

Example Responses

Status code: 200

OK

```
{
  "status" : "finished",
  "generate_time" : "2025-08-20 07:58:58",
  "injection_statistics" : [ {
    "period" : "2025-08-19 17:03:52",
    "injection_num" : 0
  } ]
}
```

Status Codes

Status Code	Description
200	OK
400	Invalid request parameter.
401	Authorization failed.
403	Unauthorized
500	Server error.

Error Codes

See **Error Codes**.

3.3.7 Obtaining the Distribution of SQL Statements in a Specified Period

Function

This API is used to obtain the distribution of SQL statements in a specified period.

URI

POST /v1/{project_id}/audit/{instance_id}/statistics/trend/sql-count

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Table 3-165 Path Parameters

Parameter	Mandatory	Type	Description
project_id	Yes	String	**Definition**: Project ID. You can obtain the value by calling the IAM API for querying the project list of a specified IAM user. **Constraints** N/A **Range**: The value is subject to the return value of the IAM service interface. The value contains 32 to 64 characters. **Default Value**: N/A
instance_id	Yes	String	**Definition**: Instance ID. The value can be obtained from the ID field of the API for querying the instance list. **Constraints** N/A **Range**: The value is subject to the value of the API for querying the instance list. The value contains 32 to 64 characters. **Default Value**: N/A

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Request Parameters

Table 3-166 Request header parameters

Parameter	Mandatory	Type	Description
X-Auth-Token	Yes	String	**Definition**: User token. You can obtain the token by calling the IAM API used to query the user token. The token is the value of X-Subject-Token in the response header. **Constraints** N/A **Range**: The value is subject to the user token query interface of the IAM service. **Default Value**: N/A

Table 3-167 Request body parameters

Parameter	Mandatory	Type	Description
db_id	No	String	The database record ID.
regenerate	Yes	Integer	Regenerate • 1: yes • 0: no
time	Yes	Duration object	Query time range. time_range takes precedence over start_time/end_time.

Table 3-168 Duration

Parameter	Mandatory	Type	Description
end_time	No	String	End time
start_time	No	String	Start time

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Parameter	Mandatory	Type	Description
time_range	No	String	time_range • HALF_HOUR: half an hour • HOUR: 1 hour • THREE_HOUR: 3 hours • TWELVE_HOUR: 12 hours • DAY: 1 day • WEEK: 1 week • MONTH: 1 month

Response Parameters

Status code: 200

Table 3-169 Response body parameters

Parameter	Type	Description
count_statistics	Array of **CountStatistics-Bean** objects	List Data
generate_time	String	Created
status	String	Alarm status. • FINISHED: completed • **RUNNING**: The instance is running.

Table 3-170 CountStatisticsBean

Parameter	Type	Description
period	String	Period
sql_num	Long	Number of SQLs.

Status code: 400

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Table 3-171 Response body parameters

Parameter	Type	Description
details	Array of **DbssErrorDetail** objects	PDP5 authentication exception information
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes
error_msg	String	Error message.

Table 3-172 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

Status code: 401

Table 3-173 Response body parameters

Parameter	Type	Description
details	Array of **DbssErrorDetail** objects	PDP5 authentication exception information
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes
error_msg	String	Error message.

Table 3-174 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

Status code: 403

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Table 3-175 Response body parameters

Parameter	Type	Description
details	Array of **DbssErrorDetail** objects	PDP5 authentication exception information
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes
error_msg	String	Error message.

Table 3-176 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

Status code: 500

Table 3-177 Response body parameters

Parameter	Type	Description
details	Array of **DbssErrorDetail** objects	PDP5 authentication exception information
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes
error_msg	String	Error message.

Table 3-178 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

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Example Requests

```
/v1/{project_id}/audit/{instance_id}/statistics/trend/sql-count

{
  "regenerate" : 0,
  "time" : {
    "time_range" : "HOUR"
  }
}
```

Example Responses

Status code: 200

OK

```
{
  "status" : "finished",
  "generate_time" : "2025-08-20 07:58:58",
  "count_statistics" : [ {
    "period" : "2025-08-19 17:03:52",
    "sql_num" : 0
  }, {
    "period" : "2025-08-19 18:07:44",
    "sql_num" : 0
  } ]
}
```

Status Codes

Status Code	Description
200	OK
400	Invalid request parameter.
401	Authorization failed.
403	Unauthorized
500	Server error.

Error Codes

See **Error Codes**.

3.3.8 Obtaining Risk Distribution Statistics in a Specified Period

Function

This API is used to query the risk distribution statistics in a specified period.

URI

POST /v1/{project_id}/audit/{instance_id}/statistics/trend/risk-level

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Table 3-179 Path Parameters

Parameter	Mandatory	Type	Description
project_id	Yes	String	**Definition**: Project ID. You can obtain the value by calling the IAM API for querying the project list of a specified IAM user. **Constraints** N/A **Range**: The value is subject to the return value of the IAM service interface. The value contains 32 to 64 characters. **Default Value**: N/A
instance_id	Yes	String	**Definition**: Instance ID. The value can be obtained from the ID field of the API for querying the instance list. **Constraints** N/A **Range**: The value is subject to the value of the API for querying the instance list. The value contains 32 to 64 characters. **Default Value**: N/A

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Request Parameters

Table 3-180 Request header parameters

Parameter	Mandatory	Type	Description
X-Auth-Token	Yes	String	**Definition**: User token. You can obtain the token by calling the IAM API used to query the user token. The token is the value of X-Subject-Token in the response header. **Constraints** N/A **Range**: Used by the IAM service to query the user token. **Default Value**: N/A

Table 3-181 Request body parameters

Parameter	Mandatory	Type	Description
db_id	No	String	The database record ID.
regenerate	Yes	Integer	Regenerate • 1: yes • 0: no
time	Yes	Duration object	Query time range. time_range takes precedence over start_time/end_time.

Table 3-182 Duration

Parameter	Mandatory	Type	Description
end_time	No	String	End time
start_time	No	String	Start time

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Parameter	Mandatory	Type	Description
time_range	No	String	time_range • HALF_HOUR: half an hour • HOUR: 1 hour • THREE_HOUR: 3 hours • TWELVE_HOUR: 12 hours • DAY: 1 day • WEEK: 1 week • MONTH: 1 month

Response Parameters

Status code: 200

Table 3-183 Response body parameters

Parameter	Type	Description
generate_time	String	Created
risk_statistics	Array of RiskStatisticsBean objects	Data list
status	String	Alarm status. • FINISHED: completed • **RUNNING**: The instance is running.

Table 3-184 RiskStatisticsBean

Parameter	Type	Description
high_risk_num	Long	Number of high risks
low_risk_num	Long	Number of Low Risks
middle_risk_num	Long	Number of medium risks
no_risk_num	Long	Number of safe items
period	String	Period

Status code: 400

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Table 3-185 Response body parameters

Parameter	Type	Description
details	Array of **DbssErrorDetail** objects	PDP5 authentication exception information
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes
error_msg	String	Error message.

Table 3-186 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

Status code: 401

Table 3-187 Response body parameters

Parameter	Type	Description
details	Array of **DbssErrorDetail** objects	PDP5 authentication exception information
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes
error_msg	String	Error message.

Table 3-188 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

Status code: 403

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Table 3-189 Response body parameters

Parameter	Type	Description
details	Array of **DbssErrorDetail** objects	PDP5 authentication exception information
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes
error_msg	String	Error message.

Table 3-190 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

Status code: 500

Table 3-191 Response body parameters

Parameter	Type	Description
details	Array of **DbssErrorDetail** objects	PDP5 authentication exception information
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes
error_msg	String	Error message.

Table 3-192 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

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Example Requests

```
/v1/{project_id}/audit/{instance_id}/statistics/trend/risk-level

{
  "regenerate" : 1,
  "time" : {
    "time_range" : "HOUR"
  }
}
```

Example Responses

Status code: 200

OK

```
{
  "generate_time" : null,
  "risk_statistics" : [ {
    "period" : "2025-08-19 17:03:52",
    "high_risk_num" : 0,
    "middle_risk_num" : 0,
    "low_risk_num" : 0,
    "no_risk_num" : 0
  }, {
    "period" : "2025-08-19 18:07:44",
    "high_risk_num" : 0,
    "middle_risk_num" : 0,
    "low_risk_num" : 0,
    "no_risk_num" : 0
  } ]
}
```

Status Codes

Status Code	Description
200	OK
400	Invalid request parameter.
401	Authorization failed.
403	Unauthorized
500	Server error.

Error Codes

See **Error Codes**.

3.3.9 Querying Database User Session Distribution

Function

This API is used to query the user session distribution of a database.

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URI

POST /v1/{project_id}/audit/{instance_id}/statistics/session/db-account

Table 3-193 Path Parameters

Parameter	Mandatory	Type	Description
project_id	Yes	String	**Definition**: Project ID. You can obtain the value by calling the IAM API for querying the project list of a specified IAM user. **Constraints** N/A **Range**: The value is subject to the return value of the IAM service interface. The value contains 32 to 64 characters. **Default Value**: N/A
instance_id	Yes	String	**Definition**: Instance ID. The value can be obtained from the ID field of the API for querying the instance list. **Constraints** N/A **Range**: The value is subject to the value of the API for querying the instance list. The value contains 32 to 64 characters. **Default Value**: N/A

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Request Parameters

Table 3-194 Request header parameters

Parameter	Mandatory	Type	Description
X-Auth-Token	Yes	String	**Definition**: User token. You can obtain the token by calling the IAM API used to query the user token. The token is the value of X-Subject-Token in the response header. **Constraints** N/A **Range**: The value is subject to the user token query interface of the IAM service. **Default Value**: N/A

Table 3-195 Request body parameters

Parameter	Mandatory	Type	Description
db_id	No	Array of strings	Database ID.
time	Yes	**Duration** object	Query time range. time_range takes precedence over start_time/end_time.

Table 3-196 Duration

Parameter	Mandatory	Type	Description
end_time	No	String	End time
start_time	No	String	Start time

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Parameter	Mandatory	Type	Description
time_range	No	String	time_range • HALF_HOUR: half an hour • HOUR: 1 hour • THREE_HOUR: 3 hours • TWELVE_HOUR: 12 hours • DAY: 1 day • WEEK: 1 week • MONTH: 1 month

Response Parameters

Status code: 200

Table 3-197 Response body parameters

Parameter	Type	Description
[items]	Array of **ReportAccountSessionNew** objects	

Table 3-198 ReportAccountSessionNew

Parameter	Type	Description
db_id	String	The database record ID.
db_ip	String	Database IP address
db_name	String	Database name
db_user	String	Database User
session_num	Long	Number of sessions

Status code: 400

Table 3-199 Response body parameters

Parameter	Type	Description
details	Array of **DbssErrorDetail** objects	PDP5 authentication exception information

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Parameter	Type	Description
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes
error_msg	String	Error message.

Table 3-200 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

Status code: 401

Table 3-201 Response body parameters

Parameter	Type	Description
details	Array of **DbssErrorDetail** objects	PDP5 authentication exception information
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes
error_msg	String	Error message.

Table 3-202 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

Status code: 403

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Table 3-203 Response body parameters

Parameter	Type	Description
details	Array of **DbssErrorDetail** objects	PDP5 authentication exception information
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes
error_msg	String	Error message.

Table 3-204 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

Status code: 500

Table 3-205 Response body parameters

Parameter	Type	Description
details	Array of **DbssErrorDetail** objects	PDP5 authentication exception information
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes
error_msg	String	Error message.

Table 3-206 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

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Example Requests

```
/v1/{project_id}/audit/{instance_id}/statistics/session/db-account

{
  "db_id" : [ "nhlzy5gBs27Fw8ND_w_P" ],
  "time" : {
    "end_time" : "2025-08-10 09:34:10",
    "start_time" : "2025-08-08 09:34:10",
    "time_range" : "HALF_HOUR"
  }
}
```

Example Responses

Status code: 200

OK

```
[ {
  "db_id" : "nhlzy5gBs27Fw8ND_w_P",
  "db_user" : "root",
  "session_num" : 33,
  "db_name" : "rds-ce88",
  "db_ip" : "10.0.0.3"
} ]
```

Status Codes

Status Code	Description
200	OK
400	Invalid request parameter.
401	Authorization failed.
403	Unauthorized
500	Server error.

Error Codes

See **Error Codes**.

3.3.10 Querying Client Session Distribution

Function

This API is used to query the client session distribution.

URI

POST /v1/{project_id}/audit/{instance_id}/statistics/session/db-client

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Table 3-207 Path Parameters

Parameter	Mandatory	Type	Description
project_id	Yes	String	**Definition**: Specifies the project ID. You can obtain the value by calling the IAM API for querying the project list of a specified IAM user. **Constraints** N/A **Range**: The value is subject to the return value of the IAM service interface. The value contains 32 to 64 characters. **Default Value**: N/A
instance_id	Yes	String	**Definition**: Instance ID. The value can be obtained from the ID field of the API for querying the instance list. **Constraints** N/A **Range**: The value is subject to the value of the API for querying the instance list. The value contains 32 to 64 characters. **Default Value**: N/A

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Request Parameters

Table 3-208 Request header parameters

Parameter	Mandatory	Type	Description
X-Auth-Token	Yes	String	**Definition**: User token. You can obtain the token by calling the IAM API used to query the user token. The token is the value of X-Subject-Token in the response header. **Constraints** N/A **Range**: The value is subject to the user token query interface of the IAM service. **Default Value**: N/A

Table 3-209 Request body parameters

Parameter	Mandatory	Type	Description
db_id	No	Array of strings	Database ID.
time	Yes	Duration object	Query time range. time_range takes precedence over start_time/end_time.

Table 3-210 Duration

Parameter	Mandatory	Type	Description
end_time	No	String	End time
start_time	No	String	Start time

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Parameter	Mandatory	Type	Description
time_range	No	String	time_range • HALF_HOUR: half an hour • HOUR: 1 hour • THREE_HOUR: 3 hours • TWELVE_HOUR: 12 hours • DAY: 1 day • WEEK: 1 week • MONTH: 1 month

Response Parameters

Status code: 200

Table 3-211 Response body parameters

Parameter	Type	Description
[items]	Array of **ReportClientSessionNew** objects	

Table 3-212 ReportClientSessionNew

Parameter	Type	Description
db_id	String	The database record ID.
db_ip	String	Database IP address
db_name	String	Database name
session_num	Long	Number of sessions

Status code: 400

Table 3-213 Response body parameters

Parameter	Type	Description
details	Array of **DbssErrorDetail** objects	PDP5 authentication exception information

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Parameter	Type	Description
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes
error_msg	String	Error message.

Table 3-214 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

Status code: 401

Table 3-215 Response body parameters

Parameter	Type	Description
details	Array of **DbssErrorDetail** objects	PDP5 authentication exception information
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes
error_msg	String	Error message.

Table 3-216 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

Status code: 403

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Table 3-217 Response body parameters

Parameter	Type	Description
details	Array of **DbssErrorDetail** objects	PDP5 authentication exception information
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes
error_msg	String	Error message.

Table 3-218 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

Status code: 500

Table 3-219 Response body parameters

Parameter	Type	Description
details	Array of **DbssErrorDetail** objects	PDP5 authentication exception information
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes
error_msg	String	Error message.

Table 3-220 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

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Example Requests

```
/v1/{project_id}/audit/{instance_id}/statistics/session/db-client

{
  "time" : {
    "time_range" : "MONTH"
  }
}
```

Example Responses

Status code: 200

OK

```
[ {
  "db_id" : null,
  "db_ip" : "100.79.0.248",
  "session_num" : 16,
  "db_name" : null
}, {
  "db_id" : null,
  "db_ip" : "100.79.0.247",
  "session_num" : 13,
  "db_name" : null
} ]
```

Status Codes

Status Code	Description
200	OK
400	Invalid request parameter.
401	Authorization failed.
403	Unauthorized
500	Server error.

Error Codes

See **Error Codes**.

3.3.11 Querying Historical Trend Data

Function

Querying Historical Trend Data

URI

GET /v2/{project_id}/audit/{instance_id}/statistics/trend/history

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Table 3-221 Path Parameters

Parameter	Mandatory	Type	Description
project_id	Yes	String	**Definition**: Project ID. You can obtain the value by calling the IAM API for querying the project list of a specified IAM user. **Constraints** N/A **Range**: The value is subject to the return value of the IAM service interface. The value contains 32 to 64 characters. **Default Value**: N/A
instance_id	Yes	String	**Definition**: Instance ID. The value can be obtained from the ID field of the API for querying the instance list. ** Restrictions**: N/A **Range**: The value is subject to the value of the API for querying the instance list. The value contains 32 to 64 characters. ** Default value**: N/A

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Request Parameters

Table 3-222 Request header parameters

Parameter	Mandatory	Type	Description
X-Auth-Token	Yes	String	**Definition**: User token. The token can be queried by calling the IAM API. (The token is the value of X-Subject-Token in the response header.) **Constraints** N/A **Range**: The value is subject to the user token query interface of the IAM service. **Default Value**: N/A

Response Parameters

Status code: 200

Table 3-223 Response body parameters

Parameter	Type	Description
[items]	Array of **TrendStatusResponse** objects	

Table 3-224 TrendStatusResponse

Parameter	Type	Description
db_id	String	Database ID.
db_name	String	Database name
generate_time	String	Created
statistics_type	String	Statistical Type - RISK: Risk - SESSION: Session - SQL: SQL - COUNT: Count - INJECTION: Injection - OPERATION: Operation

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Status code: 400

Table 3-225 Response body parameters

Parameter	Type	Description
details	Array of **DbssErrorDetail** objects	PDP5 authentication exception information
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes
error_msg	String	Error message.

Table 3-226 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

Status code: 401

Table 3-227 Response body parameters

Parameter	Type	Description
details	Array of **DbssErrorDetail** objects	PDP5 authentication exception information
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes
error_msg	String	Error message.

Table 3-228 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

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Status code: 403

Table 3-229 Response body parameters

Parameter	Type	Description
details	Array of **DbssErrorDetail** objects	PDP5 authentication exception information
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes
error_msg	String	Error message.

Table 3-230 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

Status code: 500

Table 3-231 Response body parameters

Parameter	Type	Description
details	Array of **DbssErrorDetail** objects	PDP5 authentication exception information
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes
error_msg	String	Error message.

Table 3-232 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

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Example Requests

```
v2/{project_id}/audit/{instance_id}/statistics/trend/history
```

Example Responses

Status code: 200

OK

```
[ {
  "generate_time" : "2023-10-05 15:30:00",
  "db_id" : "db001",
  "db_name" : "user_management",
  "statistics_type" : "RISK"
} ]
```

Status Codes

Status Code	Description
200	OK
400	Invalid request parameter.
401	Authorization failed.
403	Unauthorized
500	Server error.

Error Codes

See **Error Codes**.

3.4 Report Management

3.4.1 Obtaining a Report Template

Function

Obtaining a Report Template

URI

GET /v2/{project_id}/audit/{instance_id}/reports/templates

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Table 3-233 Path Parameters

Parameter	Mandatory	Type	Description
project_id	Yes	String	** Parameter description**: Specifies the project ID. You can obtain the value by calling the IAM API for querying the project list of a specified IAM user. ** Restrictions**: N/A ** Value range**: The value is subject to the return value of the IAM service interface. The value contains 32 to 64 characters. ** Default value**: N/A
instance_id	Yes	String	**Definition**: Instance ID. The value can be obtained from the ID field of the API for querying the instance list. ** Restrictions**: N/A **Range**: The value is subject to the value of the API for querying the instance list. The value contains 32 to 64 characters. ** Default value**: N/A

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Request Parameters

Table 3-234 Request header parameters

Parameter	Mandatory	Type	Description
X-Auth-Token	Yes	String	**Definition**: User token. The token can be queried by calling the IAM API. (The token is the value of X-Subject-Token in the response header.) ** Restrictions**: N/A **Range**: Used by the IAM service to query the user token. ** Default value**: N/A

Response Parameters

Status code: 200

Table 3-235 Response body parameters

Parameter	Type	Description
os_type	String	OS type
templates	Array of **TemplateInfo** objects	Obtaining the Template List

Table 3-236 TemplateInfo

Parameter	Type	Description
template	**TemplateBean** object	Template object

Table 3-237 TemplateBean

Parameter	Type	Description
db_ids	String	Database ID.

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Parameter	Type	Description
db_names	String	Database name
desc	String	Description
frequency	String	Period
group	String	Type • **COMPREHENSIVE**: comprehensive report • **COMPLIANCE**: compliance report • **DB_SPECIAL**: database special report • **CLIENT_SPECIAL**: client special report • **SQL_SPECIAL**: SQL
id	String	Template ID
name	String	Report template name.
status	String	Status. • **OFF**: disabled • **ON**: enabled
type	String	Report type. • **COMPREHENSIVE**: comprehensive database security report • **COMPLIANCE**: database security compliance report • **SOX**: SOX - **Sarbanes-Oxley Report • **PCI**: industry standard security report • **DB_ANALYSIS**: database server analysis report • **CLIENT_IP_ANALYSIS**: client IP address analysis report • **SQL_DCL_COMMAND**: DCL command report • **SQL_DDL_COMMAND**: DDL command report • **SQL_DML_COMMAND**: DML command report

Status code: 400

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Table 3-238 Response body parameters

Parameter	Type	Description
details	Array of **DbssErrorDetail** objects	PDP5 authentication exception information
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes
error_msg	String	Error message.

Table 3-239 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

Status code: 401

Table 3-240 Response body parameters

Parameter	Type	Description
details	Array of **DbssErrorDetail** objects	PDP5 authentication exception information
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes
error_msg	String	Error message.

Table 3-241 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

Status code: 403

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Table 3-242 Response body parameters

Parameter	Type	Description
details	Array of **DbssErrorDetail** objects	PDP5 authentication exception information
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes
error_msg	String	Error message.

Table 3-243 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

Status code: 500

Table 3-244 Response body parameters

Parameter	Type	Description
details	Array of **DbssErrorDetail** objects	PDP5 authentication exception information
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes
error_msg	String	Error message.

Table 3-245 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

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Example Requests

/v2/{project_id}/audit/{instance_id}/reports/templates

Example Responses

Status code: 200

OK

```
{
  "templates" : [ {
    "template" : {
      "id" : "t8g7LJgBTpKZyZbbeTgS",
      "name" : "Database Security General Report",
      "type" : "COMPREHENSIVE",
      "group" : "COMPREHENSIVE",
      "frequency" : "AUDIT_REPORT_WEEK",
      "status" : "ON",
      "desc" : "Database Security General Report",
      "db_ids" : "",
      "db_names" : ""
    }
  } ],
  "os_type" : "amd64"
}
```

Status Codes

Status Code	Description
200	OK
400	Invalid request parameter.
401	Authorization failed.
403	Unauthorized
500	Server error.

Error Codes

See **Error Codes**.

3.4.2 Deleting a Report

Function

Delete a report.

URI

DELETE /v1/{project_id}/audit/{instance_id}/reports/{id}

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Table 3-246 Path Parameters

Parameter	Mandatory	Type	Description
project_id	Yes	String	**Definition** Project ID. You can obtain the value by calling the IAM API for [querying the project list of a specified IAM user]. **Constraints** N/A **Range** The value is determined by the value of the IAM API. The value contains 32 to 64 characters. **Default Value** N/A
instance_id	Yes	String	**Definition** Instance ID. The value can be obtained from the ID field of the API for querying the instance list. **Constraints** N/A **Range** The value is determined by the value of the API for querying the instance list. The value contains 32 to 64 characters. **Default Value** N/A
id	Yes	String	**Definition** Report ID. You can obtain the value by querying the report interface ID. **Constraints** N/A **Range** The value is subject to the value of the report query interface. The value contains 16 to 64 characters. **Default Value** N/A

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Request Parameters

Table 3-247 Request header parameters

Parameter	Mandatory	Type	Description
X-Auth-Token	Yes	String	**Definition** User token. The token can be queried by calling the IAM API. (The token is the value of X-Subject-Token in the response header.) **Constraints** N/A **Range** Determined by the value of the IAM API used for querying user tokens. **Default Value** N/A

Response Parameters

Status code: 200

Table 3-248 Response body parameters

Parameter	Type	Description
status	String	Alarm status. • SUCCESS: success • FAILED: failed

Status code: 400

Table 3-249 Response body parameters

Parameter	Type	Description
details	Array of **DbssErrorDetail** objects	PDP5 authentication exception information

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Parameter	Type	Description
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes
error_msg	String	Error message.

Table 3-250 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

Status code: 401

Table 3-251 Response body parameters

Parameter	Type	Description
details	Array of **DbssErrorDetail** objects	PDP5 authentication exception information
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes
error_msg	String	Error message.

Table 3-252 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

Status code: 403

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Table 3-253 Response body parameters

Parameter	Type	Description
details	Array of **DbssErrorDetail** objects	PDP5 authentication exception information
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes
error_msg	String	Error message.

Table 3-254 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

Status code: 500

Table 3-255 Response body parameters

Parameter	Type	Description
details	Array of **DbssErrorDetail** objects	PDP5 authentication exception information
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes
error_msg	String	Error message.

Table 3-256 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

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Example Requests

```
/v1/{project_id}/audit/{instance_id}/reports/{id}
```

Example Responses

Status code: 200

OK

```
{
  "status" : "SUCCESS"
}
```

Status Codes

Status Code	Description
200	OK
400	Invalid request parameter.
401	Authorization failed.
403	Unauthorized
500	Server error.

Error Codes

See **Error Codes**.

3.4.3 Downloading a Report

Function

Download a report.

URI

GET /v1/{project_id}/audit/{instance_id}/reports/{id}/download

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Table 3-257 Path Parameters

Parameter	Mandatory	Type	Description
project_id	Yes	String	**Definition** Project ID. You can obtain the value by calling the IAM API for [querying the project list of a specified IAM user]. **Constraints** N/A **Range** The value is determined by the value of the IAM API. The value contains 32 to 64 characters. **Default Value** N/A
instance_id	Yes	String	**Definition** Instance ID. The value can be obtained from the ID field of the API for querying the instance list. **Constraints** N/A **Range** The value is determined by the value of the API for querying the instance list. The value contains 32 to 64 characters. **Default Value** N/A
id	Yes	String	**Definition** Report ID. You can obtain the value by querying the report interface ID. **Constraints** N/A **Range** The value is subject to the value of the report query interface. The value contains 16 to 64 characters. **Default Value** N/A

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Table 3-258 Query Parameters

Parameter	Mandatory	Type	Description
local	No	String	**Definition** The locale setting. **Constraints** Only values within the specified range are allowed. **Range** • en-us : English • zh-cn : Simplified Chinese **Default Value** en-us

Request Parameters

Table 3-259 Request header parameters

Parameter	Mandatory	Type	Description
X-Auth-Token	Yes	String	**Definition** User token. The token can be queried by calling the IAM API. (The token is the value of X-Subject-Token in the response header.) **Constraints** N/A **Range** Determined by the value of the IAM API used for querying user tokens. **Default Value** N/A

Response Parameters

Status code: 200

The response body is lengthy; it is recommended to download it for viewing the complete content.

Status code: 400

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Table 3-260 Response body parameters

Parameter	Type	Description
details	Array of **DbssErrorDetail** objects	PDP5 authentication exception information
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes
error_msg	String	Error message.

Table 3-261 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

Status code: 401

Table 3-262 Response body parameters

Parameter	Type	Description
details	Array of **DbssErrorDetail** objects	PDP5 authentication exception information
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes
error_msg	String	Error message.

Table 3-263 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

Status code: 403

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Table 3-264 Response body parameters

Parameter	Type	Description
details	Array of **DbssErrorDetail** objects	PDP5 authentication exception information
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes
error_msg	String	Error message.

Table 3-265 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

Status code: 500

Table 3-266 Response body parameters

Parameter	Type	Description
details	Array of **DbssErrorDetail** objects	PDP5 authentication exception information
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes
error_msg	String	Error message.

Table 3-267 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

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Example Requests

/v1/{project_id}/audit/{instance_id}/reports/{id}/download

Example Responses

None

Status Codes

Status Code	Description
200	The response body is lengthy; it is recommended to download it for viewing the complete content.
400	Invalid request parameter.
401	Authorization failed.
403	Unauthorized
500	Server error.

Error Codes

See **Error Codes**.

3.4.4 Modifying the Scheduled Task Configuration of a Report (Topic Mode)

Function

Modify the scheduled task configuration of a report (topic mode).

URI

POST /v1/{project_id}/audit/{instance_id}/reports/task

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Table 3-268 Path Parameters

Parameter	Mandatory	Type	Description
project_id	Yes	String	**Definition** Project ID. You can obtain the value by calling the IAM API for [querying the project list of a specified IAM user]. **Constraints** N/A **Range** The value is determined by the value of the IAM API. The value contains 32 to 64 characters. **Default Value** N/A
instance_id	Yes	String	**Definition** Instance ID. The value can be obtained from the ID field of the API for querying the instance list. **Constraints** N/A **Range** The value is determined by the value of the API for querying the instance list. The value contains 32 to 64 characters. **Default Value** N/A

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Request Parameters

Table 3-269 Request header parameters

Parameter	Mandatory	Type	Description
X-Auth-Token	Yes	String	**Definition** User token. The token can be queried by calling the IAM API. (The token is the value of X-Subject-Token in the response header.) **Constraints** N/A **Range** Determined by the value of the IAM API used for querying user tokens. **Default Value** N/A

Table 3-270 Request body parameters

Parameter	Mandatory	Type	Description
scheduler	Yes	**SchedulerBean** object	Scheduling information.

Table 3-271 SchedulerBean

Parameter	Mandatory	Type	Description
db_ids	No	String	Database ID.
format	Yes	String	File type. The default value is ZIP.
frequency	Yes	String	Period
id	Yes	String	Template ID
mode	Yes	String	Scheduling mode.
notice	Yes	String	Whether to send notifications. • **OFF**: no • **ON**: yes
start_time	Yes	String	Start time

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Parameter	Mandatory	Type	Description
status	Yes	String	Template status
topic_urn	Yes	String	Topic URN

Response Parameters

Status code: 200

Table 3-272 Response body parameters

Parameter	Type	Description
status	String	Status. • **success**: successful • **fail**: failed

Status code: 400

Table 3-273 Response body parameters

Parameter	Type	Description
details	Array of **DbssErrorDetail** objects	PDP5 authentication exception information
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes
error_msg	String	Error message.

Table 3-274 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

Status code: 401

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Table 3-275 Response body parameters

Parameter	Type	Description
details	Array of **DbssErrorDetail** objects	PDP5 authentication exception information
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes
error_msg	String	Error message.

Table 3-276 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

Status code: 403

Table 3-277 Response body parameters

Parameter	Type	Description
details	Array of **DbssErrorDetail** objects	PDP5 authentication exception information
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes
error_msg	String	Error message.

Table 3-278 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

Status code: 500

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Table 3-279 Response body parameters

Parameter	Type	Description
details	Array of DbssErrorDetail objects	PDP5 authentication exception information
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes
error_msg	String	Error message.

Table 3-280 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

Example Requests

```
/v1/{project_id}/audit/{instance_id}/reports/task

{
  "scheduler" : {
    "status" : "OFF",
    "notice" : "ON",
    "mode" : "CYCLE",
    "start_time" : 17,
    "topic_urn" : "urn:smn:cn-north-7:b9351f98c724428794ba7d105fa3558d:SMN-JJH",
    "db_ids" : null,
    "id" : "HDIbD5YBZUbBN2XwhfrD",
    "frequency" : "AUDIT_REPORT_WEEK",
    "format" : "ZIP"
  }
}
```

Example Responses

Status code: 200

OK

```
{
  "status" : "success"
}
```


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Status Codes

Status Code	Description
200	OK
400	Invalid request parameter.
401	Authorization failed.
403	Unauthorized
500	Server error.

Error Codes

See **Error Codes**.

3.4.5 Obtaining the Scheduled Task Configuration Information of a Report (Topic Mode)

Function

Obtaining the Scheduled Task Configuration Information of a Report (Topic Mode)

URI

GET /v2/{project_id}/audit/{instance_id}/reports/tasks/{id}

Table 3-281 Path Parameters

Parameter	Mandatory	Type	Description
project_id	Yes	String	**Definition**: Project ID You can obtain the value by calling the IAM API for querying the project list of a specified IAM user. ** Restrictions**: N/A **Range**: The value is subject to the return value of the IAM service interface. The value contains 32 to 64 characters. ** Default value**: N/A

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Parameter	Mandatory	Type	Description
instance_id	Yes	String	**Definition**: Instance ID. The value can be obtained from the ID field of the API for querying the instance list. ** Restrictions**: N/A **Range**: The value is subject to the value of the API for querying the instance list. The value contains 32 to 64 characters. ** Default value**: N/A
id	Yes	String	**Definition**: Template ID. You can obtain the value by obtaining the report template interface ID. ** Restrictions**: N/A **Range**: The value is subject to the value of the interface for obtaining the report template. The value contains 16 to 64 characters. ** Default value**: N/A

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Request Parameters

Table 3-282 Request header parameters

Parameter	Mandatory	Type	Description
X-Auth-Token	Yes	String	** Parameter description**: User token. You can obtain the token by calling the IAM API used to query the user token. The token is the value of X-Subject-Token in the response header. ** Restrictions**: N/A ** Value range**: Used by the IAM service to query the user token. ** Default value**: N/A

Response Parameters

Status code: 200

Table 3-283 Response body parameters

Parameter	Type	Description
scheduler	**SchedulerConfig-Base** object	Scheduling settings.
smn_effective	Boolean	Whether to support subscription • **true**: support • **false**: not supported

Table 3-284 SchedulerConfigBase

Parameter	Type	Description
db_ids	String	Database ID.
format	String	File type.

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Parameter	Type	Description
frequency	String	Period • **AUDIT_REPORT_DAY**: day • **AUDIT_REPORT_WEEK**: week • **AUDIT_REPORT_MONTH**: month • **AUDIT_REPORT_YEAR**: year • **AUDIT_REPORT_REAL_TIME**: real-time
id	String	Report template ID.
mode	String	Scheduling mode.
notice	String	Whether to send notifications. • **OFF**: no • **ON**: yes
start_time	String	Start time
status	String	Template status
topic_urn	String	Topic URN

Status code: 400

Table 3-285 Response body parameters

Parameter	Type	Description
details	Array of **DbssErrorDetail** objects	PDP5 authentication exception information
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes
error_msg	String	Error message.

Table 3-286 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

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Status code: 401

Table 3-287 Response body parameters

Parameter	Type	Description
details	Array of **DbssErrorDetail** objects	PDP5 authentication exception information
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes
error_msg	String	Error message.

Table 3-288 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

Status code: 403

Table 3-289 Response body parameters

Parameter	Type	Description
details	Array of **DbssErrorDetail** objects	PDP5 authentication exception information
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes
error_msg	String	Error message.

Table 3-290 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

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Status code: 500

Table 3-291 Response body parameters

Parameter	Type	Description
details	Array of DbssErrorDetail objects	PDP5 authentication exception information
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes
error_msg	String	Error message.

Table 3-292 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

Example Requests

/v2/{project_id}/audit/{instance_id}/reports/tasks/{id}

Example Responses

Status code: 200

OK

```
{
  "scheduler" : null,
  "smn_effective" : true
}
```

Status Codes

Status Code	Description
200	OK
400	Invalid request parameter.
401	Authorization failed.
403	Unauthorized
500	Server error.

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Error Codes

See **Error Codes**.

3.4.6 Querying a Report

Function

Query reports

URI

POST /v1/{project_id}/audit/{instance_id}/reports/list

Table 3-293 Path Parameters

Parameter	Mandatory	Type	Description
project_id	Yes	String	**Definition** Project ID. You can obtain the value by calling the IAM API for [querying the project list of a specified IAM user]. **Constraints** N/A **Range** The value is determined by the value of the IAM API. The value contains 32 to 64 characters. **Default Value** N/A
instance_id	Yes	String	**Definition** Instance ID. The value can be obtained from the ID field of the API for querying the instance list. **Constraints** N/A **Range** The value is determined by the value of the API for querying the instance list. The value contains 32 to 64 characters. **Default Value** N/A

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Request Parameters

Table 3-294 Request header parameters

Parameter	Mandatory	Type	Description
X-Auth-Token	Yes	String	**Definition** User token. You can obtain the token by calling the IAM API used to query the user token. The token is the value of X-Subject-Token in the response header. **Constraints** N/A **Range** Determined by the value of the IAM API used for querying user tokens. **Default Value** N/A

Table 3-295 Request body parameters

Parameter	Mandatory	Type	Description
name	No	String	Report name.
page	Yes	Integer	Current page
size	Yes	Integer	Number of records on each page.

Response Parameters

Status code: 200

Table 3-296 Response body parameters

Parameter	Type	Description
reports	Array of **ReportInfo** objects	Report object list
total	Long	Specifies the total number of records.

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Table 3-297 ReportInfo

Parameter	Type	Description
report	**ReportBean** object	Report Object

Table 3-298 ReportBean

Parameter	Type	Description
db_ids	String	The database record ID.
db_names	String	Database name
end_time	String	End time
finish_time	String	Completion time
format	String	Format • pdf: PDF file • zip: ZIP file
id	String	Report ID
name	String	Report name.
percentum	Integer	Progress
start_time	String	Start time
template_type	String	Report Type • PDF • ZIP
type	String	Period • AUDIT_REPORT_DAY: by day • AUDIT_REPORT_WEEK: by week • AUDIT_REPORT_MONTH: by month • AUDIT_REPORT_YEAR: by year • AUDIT_REPORT_REAL_TIME: immediately
url	String	URL

Status code: 400

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Table 3-299 Response body parameters

Parameter	Type	Description
details	Array of **DbssErrorDetail** objects	PDP5 authentication exception information
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes
error_msg	String	Error message.

Table 3-300 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

Status code: 401

Table 3-301 Response body parameters

Parameter	Type	Description
details	Array of **DbssErrorDetail** objects	PDP5 authentication exception information
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes
error_msg	String	Error message.

Table 3-302 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

Status code: 403

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Table 3-303 Response body parameters

Parameter	Type	Description
details	Array of **DbssErrorDetail** objects	PDP5 authentication exception information
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes
error_msg	String	Error message.

Table 3-304 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

Status code: 500

Table 3-305 Response body parameters

Parameter	Type	Description
details	Array of **DbssErrorDetail** objects	PDP5 authentication exception information
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes
error_msg	String	Error message.

Table 3-306 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

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Example Requests

```
/v1/{project_id}/audit/{instance_id}/reports/list

{
  "page" : 1,
  "size" : 1
}
```

Example Responses

Status code: 200

OK

```
{
  "total" : 1,
  "reports" : [ {
    "report" : {
      "id" : "ocdwy5gBPj4d6CRt90sh",
      "name" : "Database Security General Report",
      "type" : "AUDIT_REPORT_REAL_TIME",
      "format" : "pdf",
      "percentum" : 100,
      "url" : "/results/ocdwy5gBPj4d6CRt90sh/download-report",
      "finish_time" : "2025-08-21 07:03:56",
      "db_ids" : "",
      "template_type" : "COMPREHENSIVE",
      "start_time" : "2025-08-20 16:00:00",
      "end_time" : "2025-08-21 07:03:31",
      "db_names" : ""
    }
  } ]
}
```

Status Codes

Status Code	Description
200	OK
400	Invalid request parameter.
401	Authorization failed.
403	Unauthorized
500	Server error.

Error Codes

See **Error Codes**.

3.4.7 Generating a Report Immediately

Function

Generate a report immediately.

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URI

POST /v1/{project_id}/audit/{instance_id}/reports/create

Table 3-307 Path Parameters

Parameter	Mandatory	Type	Description
project_id	Yes	String	**Definition** Project ID. You can obtain the value by calling the IAM API for [querying the project list of a specified IAM user]. **Constraints** N/A **Range** The value is determined by the value of the IAM API. The value contains 32 to 64 characters. **Default Value** N/A
instance_id	Yes	String	**Definition** Instance ID. The value can be obtained from the ID field of the API for querying the instance list. **Constraints** N/A **Range** The value is determined by the value of the API for querying the instance list. The value contains 32 to 64 characters. **Default Value** N/A

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Request Parameters

Table 3-308 Request header parameters

Parameter	Mandatory	Type	Description
X-Auth-Token	Yes	String	**Definition** User token. You can obtain the token by calling the IAM API used to query the user token. The token is the value of X-Subject-Token in the response header. **Constraints** N/A **Range** Determined by the value of the IAM API used for querying user tokens. **Default Value** N/A

Table 3-309 Request body parameters

Parameter	Mandatory	Type	Description
db_ids	No	String	Database ID list. Use commas (,) to separate multiple IDs.
end_date	No	String	End date.
end_time	Yes	String	End time
start_date	No	String	Start Date
start_time	Yes	String	Start time
template_id	Yes	String	Template ID

Response Parameters

Status code: 200

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Table 3-310 Response body parameters

Parameter	Type	Description
result	String	Operation Result • success: Request succeeded • failed: failed

Status code: 400

Table 3-311 Response body parameters

Parameter	Type	Description
details	Array of **DbssErrorDetail** objects	PDP5 authentication exception information
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes
error_msg	String	Error message.

Table 3-312 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

Status code: 401

Table 3-313 Response body parameters

Parameter	Type	Description
details	Array of **DbssErrorDetail** objects	PDP5 authentication exception information
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes
error_msg	String	Error message.

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Table 3-314 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

Status code: 403

Table 3-315 Response body parameters

Parameter	Type	Description
details	Array of **DbssErrorDetail** objects	PDP5 authentication exception information
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes
error_msg	String	Error message.

Table 3-316 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

Status code: 500

Table 3-317 Response body parameters

Parameter	Type	Description
details	Array of **DbssErrorDetail** objects	PDP5 authentication exception information
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes
error_msg	String	Error message.

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Table 3-318 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

Example Requests

```
/v1/{project_id}/audit/{instance_id}/reports/create

{
  "template_id" : "t8g7LJgBTpKZyZbbeTgS",
  "start_time" : "2025-08-20 16:00:00",
  "end_time" : "2025-08-21 07:03:31",
  "db_ids" : null
}
```

Example Responses

Status code: 200

Report ID

```
{
  "result" : "success"
}
```

Status Codes

Status Code	Description
200	Report ID
400	Invalid request parameter.
401	Authorization failed.
403	Unauthorized
500	Server error.

Error Codes

See **Error Codes**.

3.5 Audit Instance

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3.5.1 Creating an Audit Instance in Pay-Per-Use Billing Mode

Function

Create an audit instance in pay-per-use billing mode.

URI

POST /v1/{project_id}/dbss/audit/instances

Table 3-319 Path Parameters

Parameter	Mandatory	Type	Description
project_id	Yes	String	Project ID

Request Parameters

Table 3-320 Request header parameters

Parameter	Mandatory	Type	Description
X-Auth-Token	Yes	String	User token. You can obtain the token by calling the IAM API used to query the user token. The token is the value of X-Subject-Token in the response header.

Table 3-321 Request body parameters

Parameter	Mandatory	Type	Description
server	Yes	**server** object	Creating information

Table 3-322 server

Parameter	Mandatory	Type	Description
flavor_ref	Yes	String	Flavor ID
region_id	Yes	String	region ID
enterprise_project_id	No	String	Enterprise project ID, which is mandatory for interconnecting with EPS.
name	Yes	String	Instance name

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Parameter	Mandatory	Type	Description
comment	No	String	Remarks
vpc_id	Yes	String	VPC ID
security_groups	Yes	Array of **security_groups** objects	Security Group
nics	Yes	Array of **nics** objects	Subnet
resource_spec_code	Yes	String	Resource specification code.
availability_zone	Yes	String	Availability zone
tags	No	Array of **tags** objects	Label

Table 3-323 security_groups

Parameter	Mandatory	Type	Description
id	Yes	String	Security group ID.

Table 3-324 nics

Parameter	Mandatory	Type	Description
subnet_id	Yes	String	Subnet ID

Table 3-325 tags

Parameter	Mandatory	Type	Description
key	Yes	String	Key
value	No	String	Value

Response Parameters

Status code: 200

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Table 3-326 Response body parameters

Parameter	Type	Description
result	String	Operation Result • success: Request succeeded • failed: failed

Status code: 400

Table 3-327 Response body parameters

Parameter	Type	Description
details	Array of **DbssErrorDetail** objects	PDP5 authentication exception information
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes
error_msg	String	Error message.

Table 3-328 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

Status code: 403

Table 3-329 Response body parameters

Parameter	Type	Description
details	Array of **DbssErrorDetail** objects	PDP5 authentication exception information
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes
error_msg	String	Error message.

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Table 3-330 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

Status code: 500

Table 3-331 Response body parameters

Parameter	Type	Description
details	Array of DbssErrorDetail objects	PDP5 authentication exception information
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes
error_msg	String	Error message.

Table 3-332 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

Example Requests

/v1/{project_id}/dbss/audit/instances

```
{
  "server" : {
    "flavor_ref" : "c3.xlarge.4",
    "region_id" : "cn-north-7",
    "enterprise_project_id" : "0",
    "name" : "DBSS-b200",
    "comment" : "aaa",
    "vpc_id" : "4c035747-f77b-4c6d-b23b-cb3a2b96c7e6",
    "security_groups" : [ {
      "id" : "007e5cf5-1bc7-4b03-bdbe-77ed96ca46c0"
    } ],
    "nics" : [ {
      "subnet_id" : "6201dcf2-1374-43ec-ae8b-78b4081572d3"
    } ],
    "resource_spec_code" : "dbss.bypassaudit.entry",
    "availability_zone" : "cn-north-7c",
    "tags" : [ {
      "key" : "2",
```


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```
    "value" : "333"
  } ]
 }
}
```

Example Responses

Status code: 200

Success

```
{
 "result" : "success"
}
```

Status code: 400

Failed

```
{
 "error" : {
  "error_code" : "DBSS.XXXX",
  "error_msg" : "XXX"
 }
}
```

Status Codes

Status Code	Description
200	Success
400	Failed
403	Authorization failed.
500	Server error.

Error Codes

See **Error Codes**.

3.5.2 Deleting an Audit Instance

Function

This operation can be performed only when the pay-per-use instance has no tasks or the yearly/monthly instance is faulty.

URI

DELETE /v1/{project_id}/audit/instance

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Table 3-333 Path Parameters

Parameter	Mandatory	Type	Description
project_id	Yes	String	**Definition** Project ID. You can obtain the value by calling the IAM API for [querying the project list of a specified IAM user]. **Constraints** N/A **Range** The value is determined by the value of the IAM API. The value contains 32 to 64 characters. **Default Value** N/A

Request Parameters

Table 3-334 Request header parameters

Parameter	Mandatory	Type	Description
X-Auth-Token	Yes	String	**Definition** User token. You can obtain the token by calling the IAM API used to query the user token. The token is the value of X-Subject-Token in the response header. **Constraints** N/A **Range** Determined by the value of the IAM API used for querying user tokens. **Default Value** N/A

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Table 3-335 Request body parameters

Parameter	Mandatory	Type	Description
id	Yes	String	**Definition**: Instance ID. The value can be obtained from the ID field of the API for querying the instance list. ** Restrictions**: N/A **Range**: The value is subject to the value of the API for querying the instance list. The value contains 32 to 64 characters. ** Default value**: N/A
delete_publicip	No	Boolean	Whether to delete the elastic IP address.
delete_volume	No	Boolean	Whether to delete the disk

Response Parameters

Status code: 200

Table 3-336 Response body parameters

Parameter	Type	Description
result	String	Response status

Status code: 400

Table 3-337 Response body parameters

Parameter	Type	Description
details	Array of **DbssErrorDetail** objects	PDP5 authentication exception information
encoded_authorization_message	String	PDP5 authentication exception information

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Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	Error message.

Table 3-338 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

Status code: 403

Table 3-339 Response body parameters

Parameter	Type	Description
details	Array of **DbssErrorDetail** objects	PDP5 authentication exception information
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes
error_msg	String	Error message.

Table 3-340 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

Status code: 500

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Table 3-341 Response body parameters

Parameter	Type	Description
details	Array of DbssErrorDetail objects	PDP5 authentication exception information
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes
error_msg	String	Error message.

Table 3-342 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

Example Requests

```
/v1/{project_id}/audit/instance

{
  "id" : "75abd6de-657b-444b-a867-c740ad2b66ec",
  "delete_publicip" : false,
  "delete_volume" : false
}
```

Example Responses

Status code: 200

Success

```
{
  "result" : "success"
}
```

Status Codes

Status Code	Description
200	Success
400	Failed
403	Authorization failed.
500	Server error.

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Error Codes

See **Error Codes**.

3.5.3 Creating an Audit Instance in Yearly/Monthly Billing Mode

Function

Creating an Audit Instance in Yearly/Monthly Billing Mode

URI

POST /v2/{project_id}/audit/charge/period/order

Table 3-343 Path Parameters

Parameter	Mandatory	Type	Description
project_id	Yes	String	**Definition**: Project ID You can obtain the value by calling the IAM API for querying the project list of a specified IAM user. ** Restrictions**: N/A **Range**: The value is subject to the return value of the IAM service interface. The value contains 32 to 64 characters. ** Default value**: N/A

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Request Parameters

Table 3-344 Request header parameters

Parameter	Mandatory	Type	Description
X-Auth-Token	Yes	String	** Parameter description**: User token. You can obtain the token by calling the IAM API used to query the user token. The token is the value of X-Subject-Token in the response header. ** Restrictions**: N/A ** Value range**: Used by the IAM service to query the user token. ** Default value**: N/A

Table 3-345 Request body parameters

Parameter	Mandatory	Type	Description
name	Yes	String	Instance name Range: • The value can contain a maximum of 64 characters, including letters, digits, underscores (_), and hyphens (-).
flavor_ref	Yes	String	Specifies the ID of the specifications used by the ECS.
vpc_id	Yes	String	VPC ID
availability_zone	Yes	String	Availability zone to which the ECS belongs. (Primary and secondary AZs are separated by commas. Example: az1.dc1,az2.dc2)
enterprise_project_id	No	String	Enterprise project ID. Mandatory for interconnecting with EPS.
nics	Yes	Array of **nics** objects	NIC of the ECS

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Parameter	Mandatory	Type	Description
security_groups	Yes	Array of **security_groups** objects	Information about the security group to which the ECS belongs.
comment	No	String	Remarks.
region	Yes	String	ID of the region where the ECS is located.
cloud_service_type	Yes	String	Service type: • hws.service.type.dbss
charging_mode	Yes	Integer	Billing mode: • 0: period-based charging • 1: pay-per-use
period_type	Yes	Integer	Subscription period type. The value can be: • 0: day • 1: week • 2: month • 4: hour • 5: absolute time -3: year
period_num	Yes	Integer	Number of subscription periods
subscription_num	Yes	Integer	Number of subscriptions. Only one set of DBSS can be subscribed to.
product_infos	Yes	Array of **product_infos** objects	Product list.
tags	No	Array of **KeyValueBean** objects	Resource Tag
promotion_info	No	String	Discount information.
is_auto_renew	Yes	Integer	Auto-renewal • 1: automatic renewal • 0: no

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Table 3-346 nics

Parameter	Mandatory	Type	Description
subnet_id	Yes	String	ID of the subnet on which the NIC works.
ip_address	No	String	IP address. If this parameter is left blank or is set to an empty string, the IP address is automatically allocated.

Table 3-347 security_groups

Parameter	Mandatory	Type	Description
id	Yes	String	Specifies the ID of the security group corresponding to the ECS. This ID takes effect for the NIC configured on the ECS.

Table 3-348 product_infos

Parameter	Mandatory	Type	Description
product_id	Yes	String	Product ID
cloud_service_type	Yes	String	Service type: • hws.service.type.dbss
resource_type	Yes	String	Resource type: • hws.resource.type.dbss
resource_spec_code	Yes	String	Resource specifications: • dbss.bypassaudit.low • dbss.bypassaudit.medium • dbss.bypassaudit.high
product_spec_desc	No	String	Product specification description. JSON character string format: {"specDesc":{"zh-cn":{"key1":"value1"},"en-us":{"key1":"value1"}}}

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Table 3-349 KeyValueBean

Parameter	Mandatory	Type	Description
key	Yes	String	Key
value	No	String	Value

Response Parameters

Status code: 200

Table 3-350 Response body parameters

Parameter	Type	Description
description	String	Description
code	String	Return code
order_id	String	Order ID.

Status code: 400

Table 3-351 Response body parameters

Parameter	Type	Description
details	Array of **DbssErrorDetail** objects	PDP5 authentication exception information
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes
error_msg	String	Error message.

Table 3-352 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

Status code: 403

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Table 3-353 Response body parameters

Parameter	Type	Description
details	Array of **DbssErrorDetail** objects	PDP5 authentication exception information
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes
error_msg	String	Error message.

Table 3-354 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

Status code: 500

Table 3-355 Response body parameters

Parameter	Type	Description
details	Array of **DbssErrorDetail** objects	PDP5 authentication exception information
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes
error_msg	String	Error message.

Table 3-356 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

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Example Requests

```
/v2/{project_id}/audit/charge/period/order

{
  "flavor_ref" : "st6.xlarge.4",
  "name" : "DBSS-acc3",
  "vpc_id" : "4c035747-f77b-4c6d-b23b-cb3a2b96c7e6",
  "availability_zone" : "cn-north-7c",
  "comment" : "",
  "region" : "cn-north-7",
  "nics" : [ {
    "subnet_id" : "6201dcf2-1374-43ec-ae8b-78b4081572d3"
  } ],
  "security_groups" : [ {
    "id" : "04088976-9c63-4e6b-9070-84e6a30c782b"
  } ],
  "cloud_service_type" : "hws.service.type.dbss",
  "charging_mode" : 0,
  "period_type" : 2,
  "period_num" : 1,
  "subscription_num" : 1,
  "is_auto_renew" : 0,
  "product_infos" : [ {
    "product_id" : "00301-xxxxxxx-0--0",
    "cloud_service_type" : "hws.service.type.dbss",
    "resource_type" : "hws.resource.type.dbss",
    "resource_spec_code" : "dbss.bypassaudit.low",
    "product_spec_desc" : "{\"specDesc\":{\"zh-cn\":{},\"en-us\":{\"instance Name\":\"DBSS-test\",\"VPC
\":\"default_vpc\",\"Subnet\":\"subnet-af32\"}}}"
  } ],
  "promotion_info" : "",
  "enterprise_project_id" : "0",
  "tags" : [ {
    "key" : "key_test",
    "value" : "1"
  } ]
}
```

Example Responses

Status code: 200

Success

```
{
  "description" : "Success",
  "code" : "0",
  "order_id" : "CS1710190909OGQIS"
}
```

Status Codes

Status Code	Description
200	Success
400	Failed
403	Authorization failed.
500	Server error.

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Error Codes

See **Error Codes**.

3.5.4 Querying Account Quota Information

Function

Querying Account Quota Information

URI

GET /v2/{project_id}/audit/quota

Table 3-357 Path Parameters

Parameter	Mandatory	Type	Description
project_id	Yes	String	**Definition**: Specifies the project ID. You can obtain the value by calling the IAM API for querying the project list of a specified IAM user. **Constraints** N/A **Range**: The value is subject to the return value of the IAM service interface. The value contains 32 to 64 characters. **Default Value**: N/A

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Request Parameters

Table 3-358 Request header parameters

Parameter	Mandatory	Type	Description
X-Auth-Token	Yes	String	**Definition**: User token. The token can be queried by calling the IAM API. (The token is the value of X-Subject-Token in the response header.) ** Restrictions**: N/A **Range**: The value is subject to the user token query interface of the IAM service. **Default Value**: N/A

Response Parameters

Status code: 200

Table 3-359 Response body parameters

Parameter	Type	Description
project_id	String	Project ID
audit_quota	Long	Remaining quota of the audit instance
cpu	Long	Remaining CPU quota.
ram	Long	Remaining memory quota.

Status code: 400

Table 3-360 Response body parameters

Parameter	Type	Description
details	Array of **DbssErrorDetail** objects	PDP5 authentication exception information

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Parameter	Type	Description
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes
error_msg	String	Error message.

Table 3-361 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

Status code: 403

Table 3-362 Response body parameters

Parameter	Type	Description
details	Array of **DbssErrorDetail** objects	PDP5 authentication exception information
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes
error_msg	String	Error message.

Table 3-363 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

Status code: 500

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Table 3-364 Response body parameters

Parameter	Type	Description
details	Array of DbssErrorDetail objects	PDP5 authentication exception information
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes
error_msg	String	Error message.

Table 3-365 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

Example Requests

```
/v2/{project_id}/audit/quota
```

Example Responses

Status code: 200

Success

```
{
  "project_id" : "0250cb8a80c24c0b9f20f557cb159aad",
  "cpu" : 796,
  "ram" : 1622016,
  "audit_quota" : 1
}
```

Status Codes

Status Code	Description
200	Success
400	Client error
403	Authorization failed.
500	Server error.

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Error Codes

See **Error Codes**.

3.5.5 Querying Information About an Instance Creation Task

Function

This API is used to query information about an instance creation task.

URI

GET /v1/{project_id}/audit/{resource_id}/jobs

Table 3-366 Path Parameters

Parameter	Mandatory	Type	Description
project_id	Yes	String	**Definition**: Project ID. You can obtain the value by calling the IAM API for querying the project list of a specified IAM user. **Constraints** N/A **Range**: The value is subject to the return value of the IAM service interface. The value contains 32 to 64 characters. **Default Value**: N/A
resource_id	Yes	String	Resource ID. You can obtain the value from resource_id in the API for querying the instance list.

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Request Parameters

Table 3-367 Request header parameters

Parameter	Mandatory	Type	Description
X-Auth-Token	Yes	String	**Definition**: User token. The token can be queried by calling the IAM API. (The token is the value of X-Subject-Token in the response header.) **Constraints** N/A **Range**: The value is subject to the user token query interface of the IAM service. **Default Value**: N/A

Response Parameters

Status code: 200

Table 3-368 Response body parameters

Parameter	Type	Description
jobs	Array of **JobBean** objects	Instance creation task list

Table 3-369 JobBean

Parameter	Type	Description
job_id	String	Task ID.
status	String	Task status. The options are as follows: • SUCCESS • RUNNING • FAIL • INIT • READY
job_type	String	Type

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Parameter	Type	Description
server_id	String	VM ID
server_name	String	VmName
resource_id	String	Resource id
begin_time	Long	Start time
end_time	Long	End time
charge_mode	String	Billing mode. The options are as follows: • Period: period-based charging • Demand: pay-per-use
error_code	String	Error Codes
fail_reason	String	Failure cause.
ha_id	String	Protected instance ID. This field has been discarded.
ha_name	String	Protected instance name. This field has been discarded.

Status code: 400

Table 3-370 Response body parameters

Parameter	Type	Description
details	Array of **DbssErrorDetail** objects	PDP5 authentication exception information
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes
error_msg	String	Error message.

Table 3-371 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

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Status code: 403

Table 3-372 Response body parameters

Parameter	Type	Description
details	Array of **DbssErrorDetail** objects	PDP5 authentication exception information
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes
error_msg	String	Error message.

Table 3-373 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

Status code: 500

Table 3-374 Response body parameters

Parameter	Type	Description
details	Array of **DbssErrorDetail** objects	PDP5 authentication exception information
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes
error_msg	String	Error message.

Table 3-375 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

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Example Requests

/v1/{project_id}/audit/{resource_id}/jobs

Example Responses

Status code: 200

Success


```
{
  "jobs" : [ {
    "resource_id" : "2c154fdd-0d43-47b7-9cf1-5236bf6a2ca7",
    "status" : "SUCCESS",
    "job_type" : null,
    "job_id" : "8abf9647852a1daa01852e517e1a1a0b",
    "begin_time" : 1671519371000,
    "end_time" : 1671519417000,
    "error_code" : null,
    "fail_reason" : null,
    "charge_mode" : "Demand",
    "server_name" : "DBSS-qct-1220",
    "server_id" : "0aa8f621-bc19-4822-b66d-7ab9ae3c8693",
    "ha_id" : null,
    "ha_name" : null
  } ]
}
```


Status Codes

Status Code	Description
200	Success
400	Failed
403	Authorization failed.
500	Internal server error.

Error Codes

See **Error Codes**.

3.5.6 Querying the Audit Instance List

Function

Query the audit instance list.

URI

GET /v1/{project_id}/audit/instances

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Table 3-376 Path Parameters

Parameter	Mandatory	Type	Description
project_id	Yes	String	**Definition** Project ID. You can obtain the value by calling the IAM API for [querying the project list of a specified IAM user]. **Constraints** N/A **Range** The value is determined by the value of the IAM API. The value contains 32 to 64 characters. **Default Value** N/A

Table 3-377 Query Parameters

Parameter	Mandatory	Type	Description
offset	No	String	**Definition** Pagination offset. The query starts after the offset of the first data record. **Constraints** Only integers greater than or equal to 0 are supported. **Range** Greater than or equal to 0 **Default Value** The default value is 0.

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Parameter	Mandatory	Type	Description
limit	No	String	**Definition** Number of records queried on each page. **Constraints** Only integers greater than 0 are supported. **Range** Greater than 0 and less than or equal to 10000 **Default Value** The default value is 100.

Request Parameters

Table 3-378 Request header parameters

Parameter	Mandatory	Type	Description
X-Auth-Token	Yes	String	**Definition** User token. You can obtain the token by calling the IAM API used to query the user token. The token is the value of X-Subject-Token in the response header. **Constraints** N/A **Range** Determined by the value of the IAM API used for querying user tokens. **Default Value** N/A

Response Parameters

Status code: 200

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Table 3-379 Response body parameters

Parameter	Type	Description
servers	Array of **AuditInstanceListBean** objects	Instance information list.
total	Integer	Total number of license files

Table 3-380 AuditInstanceListBean

Parameter	Type	Description
charge_model	String	Billing mode. The options are as follows: • Period: yearly/monthly • Demand: on-demand.
comment	String	Remarks
config_num	Integer	Total number of configured databases.
connect_ip	String	Connection address.
connect_ipv6	String	IPv6 connection address.
cpu	Integer	CPUs
created	String	Creation time.
database_limit	Integer	Number of supported databases
effect	Integer	Instance result status. The options are as follows: • 1: frozen and can be released • 2: frozen and cannot be released • 3: Frozen accounts cannot be renewed.
expired	String	Expiration time
id	String	ID
keep_days	String	Remaining period (days)
name	String	Instance alias.
new_version	String	If a value is returned, upgrade is required. If no value is returned, the value is null.
port_id	String	ID of the port to which the EIP is bound

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Parameter	Type	Description
ram	Integer	Memory
region	String	Region where the instance is located.
remain_days	String	Days to expiry
resource_id	String	Resource id
resource_spec_code	String	Instance specification ID
scene	String	Scene
security_group_id	String	Security Group
specification	String	Instance Specifications
status	String	Instance Status • SHUTOFF: disabled • ACTIVE: running. Any operation is allowed. • DELETING: The resource is being deleted. No operation is allowed. • BUILD: The VM is being created. No operation is allowed. • DELETED: deleted and does not need to be displayed. • ERROR: faulty. Only deletion is allowed. • HAWAIT: The standby node is being created. No operation is allowed. • FROZEN: Frozen. Only renewal, binding, and unbinding are allowed. • UPGRADING: The upgrade is in progress and is not allowed.
subnet_id	String	Subnet ID

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Parameter	Type	Description
task	String	Task status. The options are as follows: • powering-on: The instance is being powered on and can be bound or unbound. • powering-off: The instance is being powered off and can be bound or unbound. • rebooting: The instance is being restarted. The instance can be bound or unbound. • delete_wait: The cluster is waiting to be deleted. No operation can be performed on the cluster and instance. • NO_TASK: no
version	String	Current instance version
vpc_id	String	Virtual Private Cloud
zone	String	Availability zone

Status code: 400

Table 3-381 Response body parameters

Parameter	Type	Description
details	Array of DbssErrorDetail objects	PDP5 authentication exception information
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes
error_msg	String	Error message.

Table 3-382 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

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Status code: 403

Table 3-383 Response body parameters

Parameter	Type	Description
details	Array of **DbssErrorDetail** objects	PDP5 authentication exception information
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes
error_msg	String	Error message.

Table 3-384 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

Status code: 500

Table 3-385 Response body parameters

Parameter	Type	Description
details	Array of **DbssErrorDetail** objects	PDP5 authentication exception information
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes
error_msg	String	Error message.

Table 3-386 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

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Example Requests

/v1/{project_id}/audit/instances

Example Responses

Status code: 200

Success


```
{
  "servers" : [ {
    "name" : "DBSS-Test",
    "comment" : "",
    "connect_ipv6" : null,
    "status" : "ACTIVE",
    "task" : "NO_TASK",
    "id" : "8c53ed03-8ed7-4ff2-ad97-7b2d6d1dd364",
    "specification" : "Low | 3 Proxy",
    "zone" : "cn-cmcc1a-01",
    "created" : "2021-04-21 04:37:54",
    "expired" : null,
    "subnet_id" : "97ef0bb5-3759-4db4-aa49-0d087ed49ce5",
    "cpu" : 4,
    "ram" : 16384,
    "region" : "cn-cmcc1",
    "version" : "21.04.16.164614",
    "charge_model" : "Demand",
    "remain_days" : null,
    "config_num" : 1,
    "effect" : null,
    "scene" : null,
    "connect_ip" : "192.168.0.229",
    "port_id" : "dc4bd420-e01c-4d12-a7ff-814f17c63079",
    "resource_id" : "062212d8-8e30-4783-9671-43f3f1f3bb1e",
    "vpc_id" : "76d98391-5abc-46ed-b8a8-f664202cb166",
    "security_group_id" : "f0fbec06-bcf6-4c7e-99fa-f0ddfbb1d9bd",
    "resource_spec_code" : "dbss.bypassaudit.low",
    "keep_days" : null,
    "new_version" : null,
    "database_limit" : 3
  } ],
  "total" : 1
}
```


Status Codes

Status Code	Description
200	Success
400	Failed
403	Authorization failed.
500	Server error.

Error Codes

See **Error Codes**.

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3.5.7 Querying ECS Specifications

Function

Query ECS specifications.

URI

GET /v1/{project_id}/audit/specification

Table 3-387 Path Parameters

Parameter	Mandatory	Type	Description
project_id	Yes	String	**Definition** Project ID. You can obtain the value by calling the IAM API for [querying the project list of a specified IAM user]. **Constraints** N/A **Range** The value is determined by the value of the IAM API. The value contains 32 to 64 characters. **Default Value** N/A

Table 3-388 Query Parameters

Parameter	Mandatory	Type	Description
image_business_type	No	Integer	**Definition**: Image type. **Constraints**: Value range **Value range**: • 1: O&M • 2: Encryption • 3: Audit **Default value**: If this parameter is not specified, the default value audit is used.

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Request Parameters

Table 3-389 Request header parameters

Parameter	Mandatory	Type	Description
X-Auth-Token	Yes	String	**Definition** User token. You can obtain the token by calling the IAM API used to query the user token. The token is the value of X-Subject-Token in the response header. **Constraints** N/A **Range** Determined by the value of the IAM API used for querying user tokens. **Default Value** N/A

Response Parameters

Status code: 200

Table 3-390 Response body parameters

Parameter	Type	Description
specification	Array of **EcsSpecification-Bean** objects	Specifies a set of specifications.

Table 3-391 EcsSpecificationBean

Parameter	Type	Description
azs	Array of strings	AZ set to which the ECS specification belongs
id	String	Flavor ID

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Parameter	Type	Description
level	String	Specification level. The supported level depends on the site configuration. • entry: entry level • low: basic edition • medium: professional edition • high: advanced edition
name	String	Specifies the name of specifications.
proxy	Integer	Number of databases that can be added to the specification
ram	Integer	Memory
vcpus	Integer	CPU
az_type	String	AZ Type • DEDICATED • DEC • EDGE

Status code: 400

Table 3-392 Response body parameters

Parameter	Type	Description
details	Array of DbssErrorDetail objects	PDP5 authentication exception information
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes
error_msg	String	Error message.

Table 3-393 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

Status code: 403

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Table 3-394 Response body parameters

Parameter	Type	Description
details	Array of **DbssErrorDetail** objects	PDP5 authentication exception information
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes
error_msg	String	Error message.

Table 3-395 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

Status code: 500

Table 3-396 Response body parameters

Parameter	Type	Description
details	Array of **DbssErrorDetail** objects	PDP5 authentication exception information
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes
error_msg	String	Error message.

Table 3-397 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

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Example Requests

/v1/{project_id}/audit/specification

Example Responses

Status code: 200

Success


```
{
  "specification" : [ {
    "level" : "low",
    "id" : "s2.xlarge.4",
    "name" : "s2.xlarge.4",
    "vcpus" : 4,
    "ram" : 16384,
    "proxy" : 3,
    "azs" : [ "cn-cmcc1a-01" ]
  }, {
    "level" : "medium",
    "id" : "s2.2xlarge.4",
    "name" : "s2.2xlarge.4",
    "vcpus" : 8,
    "ram" : 32768,
    "proxy" : 6,
    "azs" : [ "cn-cmcc1a-01" ]
  }, {
    "level" : "high",
    "id" : "s3.4xlarge.4",
    "name" : "s3.4xlarge.4",
    "vcpus" : 16,
    "ram" : 65536,
    "proxy" : 30,
    "azs" : [ "cn-cmcc1a-01", "cn-cmcc1b-01" ]
  } ]
}
```


Status Codes

Status Code	Description
200	Success
400	Client error
403	Authorization failed.
500	Server error.

Error Codes

See **Error Codes**.

3.5.8 Modifying a Security Group

Function

Modify the security group of an instance.

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URI

POST /v1/{project_id}/audit/security-group

Table 3-398 Path Parameters

Parameter	Mandatory	Type	Description
project_id	Yes	String	**Definition** Project ID. You can obtain the value by calling the IAM API for [querying the project list of a specified IAM user]. **Constraints** N/A **Range** The value is determined by the value of the IAM API. The value contains 32 to 64 characters. **Default Value** N/A

Request Parameters

Table 3-399 Request header parameters

Parameter	Mandatory	Type	Description
X-Auth-Token	Yes	String	**Definition** User token. The token can be queried by calling the IAM API. (The token is the value of X-Subject-Token in the response header.) **Constraints** N/A **Range** Determined by the value of the IAM API used for querying user tokens. **Default Value** N/A

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Table 3-400 Request body parameters

Parameter	Mandatory	Type	Description
instance_id	Yes	String	**Definition** Instance ID. The value can be obtained from the ID field of the API for querying the instance list. **Constraints** N/A **Range** The value is determined by the value of the API for querying the instance list. The value contains 32 to 64 characters. **Default Value** N/A
securitygroup_ids	Yes	Array of strings	Security group ID list. Currently, only one ID is supported.

Response Parameters

Status code: 200

Table 3-401 Response body parameters

Parameter	Type	Description
result	String	Operation Result • success: Request succeeded • failed: failed

Status code: 400

Table 3-402 Response body parameters

Parameter	Type	Description
details	Array of DbssErrorDetail objects	PDP5 authentication exception information
encoded_authorization_message	String	PDP5 authentication exception information

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Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	Error message.

Table 3-403 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

Status code: 403

Table 3-404 Response body parameters

Parameter	Type	Description
details	Array of DbssErrorDetail objects	PDP5 authentication exception information
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes
error_msg	String	Error message.

Table 3-405 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

Status code: 500

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Table 3-406 Response body parameters

Parameter	Type	Description
details	Array of DbssErrorDetail objects	PDP5 authentication exception information
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes
error_msg	String	Error message.

Table 3-407 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

Example Requests

/v1/{project_id}/audit/security-group

```
{
  "instance_id" : "062212d8-8e30-4783-9671-43f3f1f3bb1e",
  "securitygroup_ids" : [ "f0fbec06-bcf6-4c7e-99fa-f0ddfbb1d9bd" ]
}
```

Example Responses

Status code: 200

Success

```
{
  "result" : "success"
}
```

Status Codes

Status Code	Description
200	Success
400	Failed
403	Authorization failed.
500	Server error.

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Error Codes

See **Error Codes**.

3.5.9 Querying User Operation Logs

Function

Query user operation logs.

URI

POST /v1/{project_id}/audit/{instance_id}/operation-log

Table 3-408 Path Parameters

Parameter	Mandatory	Type	Description
project_id	Yes	String	**Definition** Project ID. You can obtain the value by calling the IAM API for [querying the project list of a specified IAM user]. **Constraints** N/A **Range** The value is determined by the value of the IAM API. The value contains 32 to 64 characters. **Default Value** N/A
instance_id	Yes	String	**Definition** Instance ID. The value can be obtained from the ID field of the API for querying the instance list. **Constraints** N/A **Range** The value is determined by the value of the API for querying the instance list. The value contains 32 to 64 characters. **Default Value** N/A

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Request Parameters

Table 3-409 Request header parameters

Parameter	Mandatory	Type	Description
X-Auth-Token	Yes	String	**Definition** User token. The token can be queried by calling the IAM API. (The token is the value of X-Subject-Token in the response header.) **Constraints** N/A **Range** Determined by the value of the IAM API used for querying user tokens. **Default Value** N/A

Table 3-410 Request body parameters

Parameter	Mandatory	Type	Description
time	Yes	**TimeRangeBean** object	Query time range
user_name	No	String	Operation log username
action	No	String	Action name. • CREATE • DELETE • DOWNLOAD • UPDATE
page	Yes	String	Page number
size	Yes	String	Number of records on each page.

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Table 3-411 TimeRangeBean

Parameter	Mandatory	Type	Description
end_time	No	String	Start time. This parameter must be used together with **end_time**. The format must be yyyy-MM-dd HH:mm:ss, in UTC time.
start_time	No	String	End time. This parameter must be used together with **start_time**. The format must be yyyy-MM-dd HH:mm:ss, in UTC time.
time_range	No	String	Query time range. This parameter cannot be used together with **start_time** or **end_time**. If they are specified together, this parameter has a higher priority. • **HALF_HOUR** • **HOUR** • **THREE_HOUR** • **TWELVE_HOUR** • **DAY** • **WEEK** • **MONTH**

Response Parameters

Status code: 200

Table 3-412 Response body parameters

Parameter	Type	Description
total_num	Integer	Total number of license files
operate_log	Array of **OperateLogInfo** objects	Operation log list

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Table 3-413 OperateLogInfo

Parameter	Type	Description
id	String	Operation log ID.
user	String	Operation log username
time	String	Time when a record is generated. The format is timestamp.
action	String	Operation type of a record. The value can be: • create • update: update • delete: delete • download: download
function	String	Function type of the record.
name	String	Operation object of a record
description	String	Description of a record
result	String	Execution result of a record. The value can be: • success: Request succeeded • fail: The operation fails.

Status code: 400

Table 3-414 Response body parameters

Parameter	Type	Description
details	Array of **DbssErrorDetail** objects	PDP5 authentication exception information
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes
error_msg	String	Error message.

Table 3-415 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes

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Parameter	Type	Description
error_msg	String	PDP5 error information

Status code: 403

Table 3-416 Response body parameters

Parameter	Type	Description
details	Array of **DbssErrorDetail** objects	PDP5 authentication exception information
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes
error_msg	String	Error message.

Table 3-417 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

Status code: 500

Table 3-418 Response body parameters

Parameter	Type	Description
details	Array of **DbssErrorDetail** objects	PDP5 authentication exception information
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes
error_msg	String	Error message.

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Table 3-419 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

Example Requests

```
/v1/{project_id}/audit/{instance_id}/operation-log

{
  "time" : {
    "time_range" : "HOUR"
  },
  "page" : 1,
  "size" : 10
}
```

Example Responses

Status code: 200

Success

```
{
  "total_num" : 3,
  "operate_log" : [ {
    "id" : "1LJP-HgBCwCqSg3BVuAp",
    "user" : "hby-test",
    "time" : "2021-04-22 06:40:52",
    "function" : "Database list.",
    "action" : "Update",
    "name" : "db01 ",
    "description" : "This API is used to disable the audit agent.",
    "result" : "success"
  }, {
    "id" : "07JO-HgBCwCqSg3ByOAD",
    "user" : "hby-test",
    "time" : "2021-04-22 06:40:15",
    "function" : "Database list.",
    "action" : "Update",
    "name" : "db01 ",
    "description" : "This API is used to disable the audit agent.",
    "result" : "success"
  }, {
    "id" : "ULKM93gBCwCqSg3BZeD1",
    "user" : "hby-test",
    "time" : "2021-04-22 03:07:56",
    "function" : "Databases",
    "action" : "Create",
    "name" : "db01",
    "description" : "Create a database.",
    "result" : "success"
  } ]
}
```


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Status Codes

Status Code	Description
200	Success
400	Incorrect request parameter.
403	Authorization failed.
500	Internal server error.

Error Codes

See **Error Codes**.

3.5.10 Starting an Audit Instance

Function

Start an audit instance.

URI

POST /v1/{project_id}/audit/instance/start

Table 3-420 Path Parameters

Parameter	Mandatory	Type	Description
project_id	Yes	String	**Definition** Project ID. You can obtain the value by calling the IAM API for [querying the project list of a specified IAM user]. **Constraints** N/A **Range** The value is determined by the value of the IAM API. The value contains 32 to 64 characters. **Default Value** N/A

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Request Parameters

Table 3-421 Request header parameters

Parameter	Mandatory	Type	Description
X-Auth-Token	Yes	String	**Definition** User token. You can obtain the token by calling the IAM API used to query the user token. The token is the value of X-Subject-Token in the response header. **Constraints** N/A **Range** Determined by the value of the IAM API used for querying user tokens. **Default Value** N/A

Table 3-422 Request body parameters

Parameter	Mandatory	Type	Description
instance_id	Yes	String	**Definition** Instance ID. The value can be obtained from the ID field of the API for querying the instance list. **Constraints** N/A **Range** The value is determined by the value of the API for querying the instance list. The value contains 32 to 64 characters. **Default Value** N/A

Response Parameters

Status code: 200

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Table 3-423 Response body parameters

Parameter	Type	Description
result	String	Operation Result • success: Request succeeded • failed: failed

Status code: 400

Table 3-424 Response body parameters

Parameter	Type	Description
details	Array of **DbssErrorDetail** objects	PDP5 authentication exception information
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes
error_msg	String	Error message.

Table 3-425 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

Status code: 403

Table 3-426 Response body parameters

Parameter	Type	Description
details	Array of **DbssErrorDetail** objects	PDP5 authentication exception information
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes
error_msg	String	Error message.

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Table 3-427 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

Status code: 500

Table 3-428 Response body parameters

Parameter	Type	Description
details	Array of DbssErrorDetail objects	PDP5 authentication exception information
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes
error_msg	String	Error message.

Table 3-429 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

Example Requests

```
/v1/{project_id}/audit/instance/start

{
  "instance_id" : "1d07f606-92d2-441c-b05c-dca47e180552"
}
```

Example Responses

Status code: 200

Success

```
{
  "result" : "success"
}
```


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Status Codes

Status Code	Description
200	Success
400	Failed
403	Authorization failed.
500	Server error.

Error Codes

See **Error Codes**.

3.5.11 Stopping an Audit Instance

Function

Stop an audit instance.

URI

POST /v1/{project_id}/audit/instance/stop

Table 3-430 Path Parameters

Parameter	Mandatory	Type	Description
project_id	Yes	String	**Definition** Project ID. You can obtain the value by calling the IAM API for [querying the project list of a specified IAM user]. **Constraints** N/A **Range** The value is determined by the value of the IAM API. The value contains 32 to 64 characters. **Default Value** N/A

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Request Parameters

Table 3-431 Request header parameters

Parameter	Mandatory	Type	Description
X-Auth-Token	Yes	String	**Definition** User token. You can obtain the token by calling the IAM API used to query the user token. The token is the value of X-Subject-Token in the response header. **Constraints** N/A **Range** Determined by the value of the IAM API used for querying user tokens. **Default Value** N/A

Table 3-432 Request body parameters

Parameter	Mandatory	Type	Description
instance_id	Yes	String	**Definition** Instance ID. The value can be obtained from the ID field of the API for querying the instance list. **Constraints** N/A **Range** The value is determined by the value of the API for querying the instance list. The value contains 32 to 64 characters. **Default Value** N/A

Response Parameters

Status code: 200

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Table 3-433 Response body parameters

Parameter	Type	Description
result	String	Operation Result • success: Request succeeded • failed: failed

Status code: 400

Table 3-434 Response body parameters

Parameter	Type	Description
details	Array of **DbssErrorDetail** objects	PDP5 authentication exception information
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes
error_msg	String	Error message.

Table 3-435 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

Status code: 403

Table 3-436 Response body parameters

Parameter	Type	Description
details	Array of **DbssErrorDetail** objects	PDP5 authentication exception information
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes
error_msg	String	Error message.

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Table 3-437 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

Status code: 500

Table 3-438 Response body parameters

Parameter	Type	Description
details	Array of DbssErrorDetail objects	PDP5 authentication exception information
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes
error_msg	String	Error message.

Table 3-439 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

Example Requests

```
/v1/{project_id}/audit/instance/stop

{
  "instance_id" : "1d07f606-92d2-441c-b05c-dca47e180552"
}
```

Example Responses

Status code: 200

Success

```
{
  "result" : "success"
}
```


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Status Codes

Status Code	Description
200	Success
400	Failed
403	Authorization failed.
500	Server error.

Error Codes

See **Error Codes**.

3.5.12 Restarting an Audit Instance

Function

Restart an audit instance.

URI

POST /v1/{project_id}/audit/instance/reboot

Table 3-440 Path Parameters

Parameter	Mandatory	Type	Description
project_id	Yes	String	**Definition** Project ID. You can obtain the value by calling the IAM API for [querying the project list of a specified IAM user]. **Constraints** N/A **Range** The value is determined by the value of the IAM API. The value contains 32 to 64 characters. **Default Value** N/A

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Request Parameters

Table 3-441 Request header parameters

Parameter	Mandatory	Type	Description
X-Auth-Token	Yes	String	**Definition** User token. The token can be queried by calling the IAM API. (The token is the value of X-Subject-Token in the response header.) **Constraints** N/A **Range** Determined by the value of the IAM API used for querying user tokens. **Default Value** N/A

Table 3-442 Request body parameters

Parameter	Mandatory	Type	Description
instance_id	Yes	String	**Definition** Instance ID. The value can be obtained from the ID field of the API for querying the instance list. **Constraints** N/A **Range** The value is determined by the value of the API for querying the instance list. The value contains 32 to 64 characters. **Default Value** N/A

Response Parameters

Status code: 200

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Table 3-443 Response body parameters

Parameter	Type	Description
result	String	Operation Result • success: Request succeeded • failed: failed

Status code: 400

Table 3-444 Response body parameters

Parameter	Type	Description
details	Array of **DbssErrorDetail** objects	PDP5 authentication exception information
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes
error_msg	String	Error message.

Table 3-445 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

Status code: 403

Table 3-446 Response body parameters

Parameter	Type	Description
details	Array of **DbssErrorDetail** objects	PDP5 authentication exception information
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes
error_msg	String	Error message.

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Table 3-447 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

Status code: 500

Table 3-448 Response body parameters

Parameter	Type	Description
details	Array of DbssErrorDetail objects	PDP5 authentication exception information
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes
error_msg	String	Error message.

Table 3-449 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

Example Requests

```
/v1/{project_id}/audit/instance/reboot

{
  "instance_id" : "1d07f606-92d2-441c-b05c-dca47e180552"
}
```

Example Responses

Status code: 200

Success

```
{
  "result" : "success"
}
```


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Status Codes

Status Code	Description
200	Success
400	Failed
403	Authorization failed.
500	Server error.

Error Codes

See **Error Codes**.

3.5.13 Updating Audit Instance Information

Function

Update audit instance information.

URI

PUT /v1/{project_id}/audit/instance/{instance_id}

Table 3-450 Path Parameters

Parameter	Mandatory	Type	Description
project_id	Yes	String	**Definition** Project ID. You can obtain the value by calling the IAM API for [querying the project list of a specified IAM user]. **Constraints** N/A **Range** The value is determined by the value of the IAM API. The value contains 32 to 64 characters. **Default Value** N/A

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Parameter	Mandatory	Type	Description
instance_id	Yes	String	**Definition** Instance ID. The value can be obtained from the ID field of the API for querying the instance list. **Constraints** N/A **Range** The value is determined by the value of the API for querying the instance list. The value contains 32 to 64 characters. **Default Value** N/A

Request Parameters

Table 3-451 Request header parameters

Parameter	Mandatory	Type	Description
X-Auth-Token	Yes	String	**Definition** User token. You can obtain the token by calling the IAM API used to query the user token. The token is the value of X-Subject-Token in the response header. **Constraints** N/A **Range** Determined by the value of the IAM API used for querying user tokens. **Default Value** N/A

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Table 3-452 Request body parameters

Parameter	Mandatory	Type	Description
name	No	String	Instance name. The value can contain a maximum of 64 characters. Letters, numbers, underscores (_), and hyphens (-) are allowed. It cannot be an empty string.
comment	No	String	Instance description. The value can contain a maximum of 255 characters. Letters, numbers, underscores (_), hyphens (-), and spaces are allowed. It can be an empty string.

Response Parameters

Status code: 200

Table 3-453 Response body parameters

Parameter	Type	Description
result	String	Operation Result • success: Request succeeded • failed: failed

Status code: 400

Table 3-454 Response body parameters

Parameter	Type	Description
details	Array of **DbssErrorDetail** objects	PDP5 authentication exception information
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes
error_msg	String	Error message.

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Table 3-455 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

Status code: 403

Table 3-456 Response body parameters

Parameter	Type	Description
details	Array of **DbssErrorDetail** objects	PDP5 authentication exception information
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes
error_msg	String	Error message.

Table 3-457 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

Status code: 500

Table 3-458 Response body parameters

Parameter	Type	Description
details	Array of **DbssErrorDetail** objects	PDP5 authentication exception information
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes
error_msg	String	Error message.

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Table 3-459 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

Example Requests

```
/v1/{project_id}/audit/instance/{instance_id}

{
  "name" : "DBSS-test1"
}
```

Example Responses

Status code: 200

Success

```
{
  "result" : "success"
}
```

Status Codes

Status Code	Description
200	Success
400	Failed
403	Authorization failed.
500	Server error.

Error Codes

See **Error Codes**.

3.5.14 Obtaining Instance Monitoring Data

Function

This API is used to obtain instance monitoring data.

URI

POST /v1/{project_id}/audit/{instance_id}/system/monitorinfo

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Table 3-460 Path Parameters

Parameter	Mandatory	Type	Description
project_id	Yes	String	**Definition**: Project ID. You can obtain the value by calling the IAM API for querying the project list of a specified IAM user. **Constraints** N/A **Range**: The value is subject to the return value of the IAM service interface. The value contains 32 to 64 characters. **Default Value**: N/A
instance_id	Yes	String	**Definition**: Instance ID. The value can be obtained from the ID field of the API for querying the instance list. **Constraints** N/A **Range**: The value is subject to the value of the API for querying the instance list. The value contains 32 to 64 characters. **Default Value**: N/A

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Request Parameters

Table 3-461 Request header parameters

Parameter	Mandatory	Type	Description
X-Auth-Token	Yes	String	**Definition**: User token. You can obtain the token by calling the IAM API used to query the user token. The token is the value of X-Subject-Token in the response header. **Constraints** N/A **Range**: The value is subject to the user token query interface of the IAM service. **Default Value**: N/A

Table 3-462 Request body parameters

Parameter	Mandatory	Type	Description
time	Yes	**Duration** object	Query time range. time_range takes precedence over start_time/end_time.

Table 3-463 Duration

Parameter	Mandatory	Type	Description
end_time	No	String	End time
start_time	No	String	Start time
time_range	No	String	time_range • HALF_HOUR: half an hour • HOUR: 1 hour • THREE_HOUR: 3 hours • TWELVE_HOUR: 12 hours • DAY: 1 day • WEEK: 1 week • MONTH: 1 month

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Response Parameters

Status code: 200

Table 3-464 Response body parameters

Parameter	Type	Description
disk_infos	**DiskInfo** object	Disk Usage
system_infos	Array of **SystemInfo** objects	System information
traffic_infos	Array of **TrafficInfo** objects	Data Statistics

Table 3-465 DiskInfo

Parameter	Type	Description
data_available	Double	Available Data Disk
data_total	Double	Total Data Disk Capacity
data_use_percent	Integer	Data Disk Usage Percentage
id	String	Recording the ID
swap_available	Double	Available Temporary Directory Space
swap_total	Double	Total capacity of the temporary directory
swap_use_percent	Integer	Usage percentage of the temporary directory
system_available	Double	Available System Disks
system_total	Double	System Disk
system_use_percent	Integer	System Disk Usage Percentage
time	String	Time

Table 3-466 SystemInfo

Parameter	Type	Description
cpu_use	Double	CPU usage.

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Parameter	Type	Description
id	String	Record ID.
mem_use	Double	Memory usage.
time	String	Time when data is recorded.

Table 3-467 TrafficInfo

Parameter	Type	Description
id	String	Record ID.
rxmegabytes	Double	Number of bytes received per second
time	String	Time
txmegabytes	Double	Number of bytes sent per second

Status code: 400

Table 3-468 Response body parameters

Parameter	Type	Description
details	Array of **DbssErrorDetail** objects	PDP5 authentication exception information
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes
error_msg	String	Error message.

Table 3-469 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

Status code: 401

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Table 3-470 Response body parameters

Parameter	Type	Description
details	Array of **DbssErrorDetail** objects	PDP5 authentication exception information
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes
error_msg	String	Error message.

Table 3-471 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

Status code: 403

Table 3-472 Response body parameters

Parameter	Type	Description
details	Array of **DbssErrorDetail** objects	PDP5 authentication exception information
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes
error_msg	String	Error message.

Table 3-473 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

Status code: 500

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Table 3-474 Response body parameters

Parameter	Type	Description
details	Array of DbssErrorDetail objects	PDP5 authentication exception information
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes
error_msg	String	Error message.

Table 3-475 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

Example Requests

/v1/{project_id}/audit/{instance_id}/system/monitorinfo

Example Responses

Status code: 200

OK


```
{
  "system_infos" : [ {
    "id" : null,
    "time" : "2025-08-18 16:00:00-2025-08-18 16:37:17",
    "cpu_use" : 1,
    "mem_use" : 43.39
  }, {
    "id" : null,
    "time" : "2025-08-18 16:37:17-2025-08-18 17:14:34",
    "cpu_use" : 1,
    "mem_use" : 43.38
  } ],
  "traffic_infos" : [ {
    "id" : null,
    "time" : "2025-08-18 16:00:00-2025-08-18 16:37:17",
    "txmegabytes" : 0.0125,
    "rxmegabytes" : 0.0125
  } ],
  "disk_infos" : {
    "id" : null,
    "time" : "2025-08-19 14:50:00",
    "system_available" : 13.47,
    "system_total" : 18.59,
    "system_use_percent" : 28,
    "data_available" : 955.56,
    "data_total" : 1006.85,
```


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```
    "data_use_percent" : 5,
    "swap_available" : 0,
    "swap_total" : 0,
    "swap_use_percent" : 0
  }
}
```

Status Codes

Status Code	Description
200	OK
400	Invalid request parameter.
401	Authorization failed.
403	Unauthorized
500	Server error.

Error Codes

See **Error Codes**.

3.5.15 Configuring the Time Zone of an Audit Instance

Function

This API is used to configure time zone information of an audit instance.

URI

POST /v1/{project_id}/audit/{instance_id}/timezone

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Table 3-476 Path Parameters

Parameter	Mandatory	Type	Description
project_id	Yes	String	**Definition**: Specifies the project ID. You can obtain the value by calling the IAM API for querying the project list of a specified IAM user. **Constraints** N/A **Range**: The value is subject to the return value of the IAM service interface. The value contains 32 to 64 characters. **Default Value**: N/A
instance_id	Yes	String	**Definition**: Instance ID. The value can be obtained from the ID field of the API for querying the instance list. **Constraints** N/A **Range**: The value is subject to the value of the API for querying the instance list. The value contains 32 to 64 characters. **Default Value**: N/A

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Request Parameters

Table 3-477 Request header parameters

Parameter	Mandatory	Type	Description
X-Auth-Token	Yes	String	**Definition**: User token. You can obtain the token by calling the IAM API used to query the user token. The token is the value of X-Subject-Token in the response header. **Constraints** N/A **Range**: The value is subject to the user token query interface of the IAM service. **Default Value**: N/A

Table 3-478 Request body parameters

Parameter	Mandatory	Type	Description
timezone	Yes	String	Time zone.

Response Parameters

Status code: 200

Table 3-479 Response body parameters

Parameter	Type	Description
status	String	Status. • **success**: successful • **fail**: failed

Status code: 400

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Table 3-480 Response body parameters

Parameter	Type	Description
details	Array of **DbssErrorDetail** objects	PDP5 authentication exception information
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes
error_msg	String	Error message.

Table 3-481 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

Status code: 401

Table 3-482 Response body parameters

Parameter	Type	Description
details	Array of **DbssErrorDetail** objects	PDP5 authentication exception information
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes
error_msg	String	Error message.

Table 3-483 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

Status code: 403

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Table 3-484 Response body parameters

Parameter	Type	Description
details	Array of **DbssErrorDetail** objects	PDP5 authentication exception information
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes
error_msg	String	Error message.

Table 3-485 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

Status code: 500

Table 3-486 Response body parameters

Parameter	Type	Description
details	Array of **DbssErrorDetail** objects	PDP5 authentication exception information
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes
error_msg	String	Error message.

Table 3-487 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

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Example Requests

```
/v1/{project_id}/audit/{instance_id}/timezone

{
  "timezone" : "Asia/Shanghai"
}
```

Example Responses

Status code: 200

OK

```
{
  "status" : "success"
}
```

Status Codes

Status Code	Description
200	OK
400	Invalid request parameter.
401	Authorization failed.
403	Unauthorized
500	Server error.

Error Codes

See **Error Codes**.

3.5.16 Trigger the audit instance upgrade.

Function

Trigger the audit instance upgrade.

URI

POST /v1/{project_id}/audit/{resource_id}/upgrade

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Table 3-488 Path Parameters

Parameter	Mandatory	Type	Description
project_id	Yes	String	**Definition**: Project ID. You can obtain the value by calling the IAM API for querying the project list of a specified IAM user. **Constraints** N/A **Range**: The value is subject to the return value of the IAM service interface. The value contains 32 to 64 characters. **Default Value**: N/A
resource_id	Yes	String	**Definition**: Resource ID. You can obtain the value from the resource_id field in the API for querying the instance list. **Constraints** N/A **Range**: The value is obtained by calling the API for querying the instance list. The value contains 32 to 64 characters. **Default Value**: N/A

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Request Parameters

Table 3-489 Request header parameters

Parameter	Mandatory	Type	Description
X-Auth-Token	Yes	String	**Definition**: User token. The token can be queried by calling the IAM API. (The token is the value of X-Subject-Token in the response header.) **Constraints** N/A **Range**: The value is subject to the user token query interface of the IAM service. **Default Value**: N/A

Response Parameters

Status code: 200

Table 3-490 Response body parameters

Parameter	Type	Description
code	Integer	• 0: normal; • other values: abnormal
description	String	Remarks
order_id	String	Specifies the order number.
task_id	String	Task ID

Status code: 400

Table 3-491 Response body parameters

Parameter	Type	Description
details	Array of **DbssErrorDetail** objects	PDP5 authentication exception information

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Parameter	Type	Description
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes
error_msg	String	Error message.

Table 3-492 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

Status code: 401

Table 3-493 Response body parameters

Parameter	Type	Description
details	Array of **DbssErrorDetail** objects	PDP5 authentication exception information
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes
error_msg	String	Error message.

Table 3-494 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

Status code: 403

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Table 3-495 Response body parameters

Parameter	Type	Description
details	Array of **DbssErrorDetail** objects	PDP5 authentication exception information
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes
error_msg	String	Error message.

Table 3-496 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

Status code: 500

Table 3-497 Response body parameters

Parameter	Type	Description
details	Array of **DbssErrorDetail** objects	PDP5 authentication exception information
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes
error_msg	String	Error message.

Table 3-498 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

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Example Requests

```
/v1/{project_id}/audit/{resource_id}/upgrade
```

Example Responses

Status code: 200

OK

```
{
  "code" : 0,
  "description" : "",
  "order_id" : "CS2508050532XDUI0",
  "task_id" : "123"
}
```

Status Codes

Status Code	Description
200	OK
400	Invalid request parameter.
401	Authorization failed.
403	Unauthorized
500	Server error.

Error Codes

See **Error Codes**.

3.5.17 Querying Whether a Tenant's Instance Can Be Upgraded

Function

Query whether a tenant's instance can be upgraded.

URI

GET /v1/{project_id}/audit/upgrade/status

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Table 3-499 Path Parameters

Parameter	Mandatory	Type	Description
project_id	Yes	String	**Definition** Project ID. You can obtain the value by calling the IAM API for [querying the project list of a specified IAM user]. **Constraints** N/A **Range** The value is determined by the value of the IAM API. The value contains 32 to 64 characters. **Default Value** N/A

Request Parameters

Table 3-500 Request header parameters

Parameter	Mandatory	Type	Description
X-Auth-Token	Yes	String	**Definition** User token. The token can be queried by calling the IAM API. (The token is the value of X-Subject-Token in the response header.) **Constraints** N/A **Range** Determined by the value of the IAM API used for querying user tokens. **Default Value** N/A

Response Parameters

Status code: 200

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Table 3-501 Response body parameters

Parameter	Type	Description
audit_upgrade_infos	Array of **AuditUpgradeStatus** objects	Instance upgrade information

Table 3-502 AuditUpgradeStatus

Parameter	Type	Description
current_version	String	Source Version
instance_id	String	Instance ID
status	Integer	Alarm status. • 0: being upgraded • 1: The upgrade is not performed when the conditions are met. • 2: The upgrade conditions are not met.
steps	Array of **AuditUpgradeStep** objects	Upgrade process
total	Integer	Capacity
upgrade_version	String	Upgrade version

Table 3-503 AuditUpgradeStep

Parameter	Type	Description
msg	String	Message
result_code	String	Result code
step_name	String	Step name.
time	String	Upgrade time

Status code: 400

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Table 3-504 Response body parameters

Parameter	Type	Description
details	Array of **DbssErrorDetail** objects	PDP5 authentication exception information
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes
error_msg	String	Error message.

Table 3-505 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

Status code: 401

Table 3-506 Response body parameters

Parameter	Type	Description
details	Array of **DbssErrorDetail** objects	PDP5 authentication exception information
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes
error_msg	String	Error message.

Table 3-507 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

Status code: 403

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Table 3-508 Response body parameters

Parameter	Type	Description
details	Array of **DbssErrorDetail** objects	PDP5 authentication exception information
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes
error_msg	String	Error message.

Table 3-509 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

Status code: 500

Table 3-510 Response body parameters

Parameter	Type	Description
details	Array of **DbssErrorDetail** objects	PDP5 authentication exception information
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes
error_msg	String	Error message.

Table 3-511 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

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Example Requests

/v1/{project_id}/audit/upgrade/status

Example Responses

Status code: 200

OK

```
{
  "audit_upgrade_infos" : [ {
    "instance_id" : "5ac5856d-5c40-431d-98cc-1501eb7d8e11",
    "current_version" : "25.07.21.163957",
    "status" : 2,
    "total" : 1
  } ]
}
```

Status Codes

Status Code	Description
200	OK
400	Invalid request parameter.
401	Authorization failed.
403	Unauthorized
500	Server error.

Error Codes

See **Error Codes**.

3.6 Alarm information

3.6.1 Querying Audit Alarm Information

Function

Querying Audit Alarm Information

URI

POST /v2/{project_id}/audit/{instance_id}/alarm-log

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Table 3-512 Path Parameters

Parameter	Mandatory	Type	Description
project_id	Yes	String	** Parameter description**: Specifies the project ID. You can obtain the value by calling the IAM API for querying the project list of a specified IAM user. ** Restrictions**: N/A ** Value range**: The value is subject to the return value of the IAM service interface. The value contains 32 to 64 characters. ** Default value**: N/A
instance_id	Yes	String	** Parameter description**: Instance ID. The value can be obtained from the ID field of the API for querying the instance list. ** Restrictions**: N/A ** Value range**: The value is subject to the value of the API for querying the instance list. The value contains 32 to 64 characters. ** Default value**: N/A

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Request Parameters

Table 3-513 Request header parameters

Parameter	Mandatory	Type	Description
X-Auth-Token	Yes	String	** Parameter description**: User token. You can obtain the token by calling the IAM API used to query the user token. The token is the value of X-Subject-Token in the response header. ** Restrictions**: N/A ** Value range**: Used by the IAM service to query the user token. ** Default value**: N/A

Table 3-514 Request body parameters

Parameter	Mandatory	Type	Description
time	Yes	**time** object	Time
risk	No	Array of strings	Risk level. • LOW • MEDIUM • HIGH

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Parameter	Mandatory	Type	Description
type	No	String	Alarm type. The options are as follows: • RISK_RULE: risk rule • RISK_CPU: The CPU usage exceeds the threshold. • RISK_MEMORY: The memory usage exceeds the threshold. • RISK_DISK: The disk usage exceeds the threshold. • RISK_DISK_CAPACITY: The disk capacity is less than six months. • RISK_BACKUP: Backup failed. • AUDIT_QPS_OVERFLOW: traffic threshold-crossing alarm • RISK_AGENT: The Agent is abnormal. • AUDIT_BACKUP_FAILED: indicates that the instance fails to be backed up (O&M side).
status	No	String	Alarm confirmation status • DONE: confirmed • UNDO: unconfirmed
page	Yes	Integer	Page number
size	Yes	Integer	Number of records on each page.

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Table 3-515 time

Parameter	Mandatory	Type	Description
time_range	No	String	Time range. This parameter cannot be used together with start_time and end_time. If they are used together, this parameter has a higher priority. The value can be: Options: HALF_HOUR, HOUR, THREE_HOUR, TWELVE_HOUR, DAY, WEEK, MONTH;
start_time	No	String	Start time, which must be in pairs with end_time. The format must be yyyy-MM-dd HH:mm:ss. Time when an action occurred, in UTC time.
end_time	No	String	End time, which must be in pairs with start_time. The format must be yyyy-MM-dd HH:mm:ss. Time when an action occurred, in UTC time.

Response Parameters

Status code: 200

Table 3-516 Response body parameters

Parameter	Type	Description
total_num	Integer	Total number of records.
alarm_log	Array of **alarm_log** objects	Alarms

Table 3-517 alarm_log

Parameter	Type	Description
id	String	Alarm ID

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Parameter	Type	Description
alarm_life	String	Alarm status. The options are as follows: • ON • OFF
send_email	Boolean	Whether to send an email.
alarm_time	String	Alarm occurrence time
alarm_type	String	Alarm type. • RISK_RULE: risk rule • RISK_CPU: Threshold-crossing for CPU usage • RISK_MEMORY: The memory usage exceeds the threshold. • RISK_DISK: Threshold-crossing for disk usage • RISK_DISK_CAPACITY: The disk capacity is less than six months. • RISK_BACKUP: Backup failed. • AUDIT_QPS_OVERFLOW: delay alarm when the traffic exceeds the threshold • RISK_AGENT: The agent is abnormal. • AUDIT_BACKUP_FAILED: Instances failed to be backed up (O&M)
alarm_fix_time	String	Time when the alarm is cleared.
alarm_status	String	Alarm confirmation status. • DONE: confirmed • UNDO: unconfirmed
alarm_risk	String	Alarm risk level. The value can be: • LOW • MEDIUM • HIGH
alarm_description	String	Alarm description.

Status code: 400

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Table 3-518 Response body parameters

Parameter	Type	Description
details	Array of **DbssErrorDetail** objects	PDP5 authentication exception information
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes
error_msg	String	Error message.

Table 3-519 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

Status code: 403

Table 3-520 Response body parameters

Parameter	Type	Description
details	Array of **DbssErrorDetail** objects	PDP5 authentication exception information
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes
error_msg	String	Error message.

Table 3-521 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

Status code: 500

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Table 3-522 Response body parameters

Parameter	Type	Description
details	Array of DbssErrorDetail objects	PDP5 authentication exception information
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes
error_msg	String	Error message.

Table 3-523 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

Example Requests

/v2/{project_id}/audit/{instance_id}/alarm-log

```
{
  "time" : {
    "time_range" : "DAY",
    "start_time" : null,
    "end_time" : null
  },
  "risk" : null,
  "type" : null,
  "status" : null,
  "page" : 1,
  "size" : 100
}
```

Example Responses

Status code: 200

Success

```
{
  "total_num" : 3,
  "alarm_log" : [ {
    "id" : "99AJFI8BZEbGVdGbOczC",
    "alarm_life" : "ON",
    "send_email" : true,
    "alarm_time" : "2024-04-25 06:55:00",
    "alarm_type" : "RISK_DISK",
    "alarm_fix_time" : null,
    "alarm_status" : "UNDO",
    "alarm_description" : "DISK USAGE 5%",
    "alarm_risk" : "HIGH"
  }, {
```


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```
  "id" : "9tAJFI8BZEbGVdGbOcy4",
  "alarm_life" : "ON",
  "send_email" : true,
  "alarm_time" : "2024-04-25 06:55:00",
  "alarm_type" : "RISK_MEMORY",
  "alarm_fix_time" : null,
  "alarm_status" : "UNDO",
  "alarm_description" : "MEMORY USAGE 53.54%",
  "alarm_risk" : "HIGH"
 }, {
  "id" : "9dAJFI8BZEbGVdGbOcyq",
  "alarm_life" : "ON",
  "send_email" : true,
  "alarm_time" : "2024-04-25 06:55:00",
  "alarm_type" : "RISK_CPU",
  "alarm_fix_time" : null,
  "alarm_status" : "UNDO",
  "alarm_description" : "CPU USAGE 1.0%",
  "alarm_risk" : "HIGH"
 } ]
}
```


Status Codes

Status Code	Description
200	Success
400	Incorrect request parameter.
403	Authorization failed.
500	Internal server error.

Error Codes

See **Error Codes**.

3.6.2 Batch Marking

Function

Batch Marking

URI

POST /v1/{project_id}/audit/{instance_id}/alarm-log/mark

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Table 3-524 Path Parameters

Parameter	Mandatory	Type	Description
project_id	Yes	String	**Definition** Project ID. You can obtain the value by calling the IAM API for [querying the project list of a specified IAM user]. **Constraints** N/A **Range** The value is determined by the value of the IAM API. The value contains 32 to 64 characters. **Default Value** N/A
instance_id	Yes	String	**Definition** Instance ID. The value can be obtained from the ID field of the API for querying the instance list. **Constraints** N/A **Range** The value is determined by the value of the API for querying the instance list. The value contains 32 to 64 characters. **Default Value** N/A

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Request Parameters

Table 3-525 Request header parameters

Parameter	Mandatory	Type	Description
X-Auth-Token	Yes	String	**Definition** User token. You can obtain the token by calling the IAM API used to query the user token. The token is the value of X-Subject-Token in the response header. **Constraints** N/A **Range** Determined by the value of the IAM API used for querying user tokens. **Default Value** N/A

Table 3-526 Request body parameters

Parameter	Mandatory	Type	Description
ids	Yes	Array of strings	The alarm IDs.

Response Parameters

Status code: 200

Table 3-527 Response body parameters

Parameter	Type	Description
result	String	Request result. • request_success: success

Status code: 400

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Table 3-528 Response body parameters

Parameter	Type	Description
details	Array of **DbssErrorDetail** objects	PDP5 authentication exception information
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes
error_msg	String	Error message.

Table 3-529 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

Status code: 401

Table 3-530 Response body parameters

Parameter	Type	Description
details	Array of **DbssErrorDetail** objects	PDP5 authentication exception information
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes
error_msg	String	Error message.

Table 3-531 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

Status code: 403

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Table 3-532 Response body parameters

Parameter	Type	Description
details	Array of **DbssErrorDetail** objects	PDP5 authentication exception information
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes
error_msg	String	Error message.

Table 3-533 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

Status code: 500

Table 3-534 Response body parameters

Parameter	Type	Description
details	Array of **DbssErrorDetail** objects	PDP5 authentication exception information
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes
error_msg	String	Error message.

Table 3-535 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

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Example Requests

```
/v1/{project_id}/audit/{instance_id}/alarm-log/mark

{
  "ids" : [ "E83G0JgBOOXTipG9GBxV" ]
}
```

Example Responses

Status code: 200

OK

```
{
  "result" : "request_success"
}
```

Status Codes

Status Code	Description
200	OK
400	Invalid request parameter.
401	Authorization failed.
403	Unauthorized
500	Server error.

Error Codes

See **Error Codes**.

3.6.3 Deleting the Alarm History

Function

Delete the alarm history.

URI

DELETE /v1/{project_id}/audit/{instance_id}/alarm-log/{id}

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Table 3-536 Path Parameters

Parameter	Mandatory	Type	Description
project_id	Yes	String	**Definition** Project ID. You can obtain the value by calling the IAM API for [querying the project list of a specified IAM user]. **Constraints** N/A **Range** The value is determined by the value of the IAM API. The value contains 32 to 64 characters. **Default Value** N/A
instance_id	Yes	String	**Definition** Instance ID. The value can be obtained from the ID field of the API for querying the instance list. **Constraints** N/A **Range** The value is determined by the value of the API for querying the instance list. The value contains 32 to 64 characters. **Default Value** N/A

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Parameter	Mandatory	Type	Description
id	Yes	String	**Definition** Alarm record ID. You can obtain the value from the ID field in the API for [querying audit alarm information]. **Constraints** N/A **Range** The value is determined by the value of the API for querying audit alarm information. The value contains 16 to 64 characters. **Default Value** N/A

Request Parameters

Table 3-537 Request header parameters

Parameter	Mandatory	Type	Description
X-Auth-Token	Yes	String	**Definition** User token. The token can be queried by calling the IAM API. (The token is the value of X-Subject-Token in the response header.) **Constraints** N/A **Range** Determined by the value of the IAM API used for querying user tokens. **Default Value** N/A

Response Parameters

Status code: 200

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Table 3-538 Response body parameters

Parameter	Type	Description
result	String	Request result. • request_success: success

Status code: 400

Table 3-539 Response body parameters

Parameter	Type	Description
details	Array of **DbssErrorDetail** objects	PDP5 authentication exception information
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes
error_msg	String	Error message.

Table 3-540 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

Status code: 401

Table 3-541 Response body parameters

Parameter	Type	Description
details	Array of **DbssErrorDetail** objects	PDP5 authentication exception information
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes
error_msg	String	Error message.

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Table 3-542 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

Status code: 403

Table 3-543 Response body parameters

Parameter	Type	Description
details	Array of DbssErrorDetail objects	PDP5 authentication exception information
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes
error_msg	String	Error message.

Table 3-544 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

Status code: 500

Table 3-545 Response body parameters

Parameter	Type	Description
details	Array of DbssErrorDetail objects	PDP5 authentication exception information
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes
error_msg	String	Error message.

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Table 3-546 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

Example Requests

```
/v1/{project_id}/audit/{instance_id}/alarm-log/{id}
```

Example Responses

Status code: 200

OK

```
{
  "result" : "request_success"
}
```

Status Codes

Status Code	Description
200	OK
400	Invalid request parameter.
401	Authorization failed.
403	Unauthorized
500	Server error.

Error Codes

See **Error Codes**.

3.6.4 Marking Monitoring Alarms

Function

Mark monitoring alarms.

URI

PUT /v1/{project_id}/audit/{instance_id}/alarm-log/{id}

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Table 3-547 Path Parameters

Parameter	Mandatory	Type	Description
project_id	Yes	String	**Definition** Project ID. You can obtain the value by calling the IAM API for [querying the project list of a specified IAM user]. **Constraints** N/A **Range** The value is determined by the value of the IAM API. The value contains 32 to 64 characters. **Default Value** N/A
instance_id	Yes	String	**Definition** Instance ID. The value can be obtained from the ID field of the API for querying the instance list. **Constraints** N/A **Range** The value is determined by the value of the API for querying the instance list. The value contains 32 to 64 characters. **Default Value** N/A

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Parameter	Mandatory	Type	Description
id	Yes	String	**Definition** Alarm record ID. You can obtain the value from the ID field in the API for [querying audit alarm information]. **Constraints** N/A **Range** The value is determined by the value of the API for querying audit alarm information. The value contains 16 to 64 characters. **Default Value** N/A

Request Parameters

Table 3-548 Request header parameters

Parameter	Mandatory	Type	Description
X-Auth-Token	Yes	String	**Definition** User token. You can obtain the token by calling the IAM API used to query the user token. The token is the value of X-Subject-Token in the response header. **Constraints** N/A **Range** Determined by the value of the IAM API used for querying user tokens. **Default Value** N/A

Response Parameters

Status code: 200

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Table 3-549 Response body parameters

Parameter	Type	Description
result	String	Request result. • request_success: success

Status code: 400

Table 3-550 Response body parameters

Parameter	Type	Description
details	Array of **DbssErrorDetail** objects	PDP5 authentication exception information
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes
error_msg	String	Error message.

Table 3-551 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

Status code: 401

Table 3-552 Response body parameters

Parameter	Type	Description
details	Array of **DbssErrorDetail** objects	PDP5 authentication exception information
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes
error_msg	String	Error message.

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Table 3-553 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

Status code: 403

Table 3-554 Response body parameters

Parameter	Type	Description
details	Array of DbssErrorDetail objects	PDP5 authentication exception information
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes
error_msg	String	Error message.

Table 3-555 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

Status code: 500

Table 3-556 Response body parameters

Parameter	Type	Description
details	Array of DbssErrorDetail objects	PDP5 authentication exception information
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes
error_msg	String	Error message.

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Table 3-557 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

Example Requests

```
/v1/{project_id}/audit/{instance_id}/alarm-log/{id}
```

Example Responses

Status code: 200

OK

```
{
  "result" : "request_success"
}
```

Status Codes

Status Code	Description
200	OK
400	Invalid request parameter.
401	Authorization failed.
403	Unauthorized
500	Server error.

Error Codes

See **Error Codes**.

3.6.5 Obtaining Instance Alarm Configurations

Function

Obtaining Instance Alarm Configurations

URI

GET /v2/{project_id}/audit/{instance_id}/alarm/topic

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Table 3-558 Path Parameters

Parameter	Mandatory	Type	Description
project_id	Yes	String	** Parameter description**: Specifies the project ID. You can obtain the value by calling the IAM API for querying the project list of a specified IAM user. ** Restrictions**: N/A ** Value range**: The value is subject to the return value of the IAM service interface. The value contains 32 to 64 characters. ** Default value**: N/A
instance_id	Yes	String	** Parameter description**: Instance ID. The value can be obtained from the ID field of the API for querying the instance list. ** Restrictions**: N/A ** Value range**: The value is subject to the value of the API for querying the instance list. The value contains 32 to 64 characters. ** Default value**: N/A

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Request Parameters

Table 3-559 Request header parameters

Parameter	Mandatory	Type	Description
X-Auth-Token	Yes	String	** Parameter description**: User token. You can obtain the token by calling the IAM API used to query the user token. The token is the value of X-Subject-Token in the response header. ** Restrictions**: N/A ** Value range**: Used by the IAM service to query the user token. ** Default value**: N/A

Response Parameters

Status code: 200

Table 3-560 Response body parameters

Parameter	Type	Description
alarm_cpu	String	Specifies the CPU alarm threshold.
alarm_disk	String	Specifies the disk alarm threshold.
alarm_memory	String	Specifies the memory alarm threshold.
alarm_num	String	Daily alarms
alarm_risk	Array of strings	Alarm severity • high: high • medium: medium • low: low
alarm_switch	String	Notification switch • ON: enabled • OFF: disabled
alarm_topic_urn	String	URN of the notification topic. You can call the SMN API to obtain the URN.

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Parameter	Type	Description
smn_effective	Boolean	Specifies whether SMN subscription is supported. • **true**: support • **false**: not supported

Status code: 400

Table 3-561 Response body parameters

Parameter	Type	Description
details	Array of DbssErrorDetail objects	PDP5 authentication exception information
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes
error_msg	String	Error message.

Table 3-562 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

Status code: 401

Table 3-563 Response body parameters

Parameter	Type	Description
details	Array of DbssErrorDetail objects	PDP5 authentication exception information
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes
error_msg	String	Error message.

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Table 3-564 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

Status code: 403

Table 3-565 Response body parameters

Parameter	Type	Description
details	Array of DbssErrorDetail objects	PDP5 authentication exception information
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes
error_msg	String	Error message.

Table 3-566 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

Status code: 500

Table 3-567 Response body parameters

Parameter	Type	Description
details	Array of DbssErrorDetail objects	PDP5 authentication exception information
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes
error_msg	String	Error message.

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Table 3-568 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

Example Requests

```
/v2/{project_id}/audit/{instance_id}/alarm/topic
```

Example Responses

Status code: 200

OK

```
{
  "alarm_cpu" : 80,
  "alarm_disk" : 80,
  "alarm_memory" : 80,
  "alarm_num" : 10,
  "alarm_risk" : [ "high", "low" ],
  "alarm_switch" : false,
  "alarm_topic_urn" : "urn:smn:cn-north-7:b9351f98c724428xxxxxxxxx:DBSS-Message",
  "smn_effective" : false
}
```

Status Codes

Status Code	Description
200	OK
400	Invalid request parameter.
401	Unauthorized
403	Authorization failed.
500	Server error.

Error Codes

See **Error Codes**.

3.6.6 Setting Instance Alarm Settings

Function

Setting Instance Alarm Settings

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URI

POST /v2/{project_id}/audit/{instance_id}/alarm/topic

Table 3-569 Path Parameters

Parameter	Mandatory	Type	Description
project_id	Yes	String	** Parameter description**: Specifies the project ID. You can obtain the value by calling the IAM API for querying the project list of a specified IAM user. ** Restrictions**: N/A ** Value range**: The value is subject to the return value of the IAM service interface. The value contains 32 to 64 characters. ** Default value**: N/A
instance_id	Yes	String	**Definition**: Instance ID. The value can be obtained from the ID field of the API for querying the instance list. ** Restrictions**: N/A **Range**: The value is subject to the value of the API for querying the instance list. The value contains 32 to 64 characters. ** Default value**: N/A

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Request Parameters

Table 3-570 Request header parameters

Parameter	Mandatory	Type	Description
X-Auth-Token	Yes	String	** Parameter description**: User token. You can obtain the token by calling the IAM API used to query the user token. The token is the value of X-Subject-Token in the response header. ** Restrictions**: N/A ** Value range**: Used by the IAM service to query the user token. ** Default value**: N/A

Table 3-571 Request body parameters

Parameter	Mandatory	Type	Description
alarm_cpu	Yes	Integer	Specifies the CPU alarm threshold.
alarm_disk	Yes	Integer	Specifies the disk alarm threshold.
alarm_memory	Yes	Integer	Specifies the memory alarm threshold.
alarm_num	Yes	Integer	Daily alarms
alarm_risk	No	Array of strings	Alarm severity. The default value is empty. • high: high • medium: medium • low: low
alarm_switch	Yes	String	Notification switch • ON: enabled • OFF: disabled

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Parameter	Mandatory	Type	Description
alarm_topic_urn	No	String	Notification topic URN, which is obtained by calling the SMN API. This field is mandatory when alarm_switch is set to ON.

Response Parameters

Status code: 200

Table 3-572 Response body parameters

Parameter	Type	Description
status	String	Status. • **success**: successful • **fail**: failed

Status code: 400

Table 3-573 Response body parameters

Parameter	Type	Description
details	Array of **DbssErrorDetail** objects	PDP5 authentication exception information
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes
error_msg	String	Error message.

Table 3-574 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

Status code: 401

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Table 3-575 Response body parameters

Parameter	Type	Description
details	Array of **DbssErrorDetail** objects	PDP5 authentication exception information
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes
error_msg	String	Error message.

Table 3-576 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

Status code: 403

Table 3-577 Response body parameters

Parameter	Type	Description
details	Array of **DbssErrorDetail** objects	PDP5 authentication exception information
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes
error_msg	String	Error message.

Table 3-578 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

Status code: 500

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Table 3-579 Response body parameters

Parameter	Type	Description
details	Array of DbssErrorDetail objects	PDP5 authentication exception information
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes
error_msg	String	Error message.

Table 3-580 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

Example Requests

```
/v2/{project_id}/audit/{instance_id}/alarm/topic

{
  "alarm_cpu" : 80,
  "alarm_memory" : 80,
  "alarm_num" : 10,
  "alarm_disk" : 80,
  "alarm_switch" : "ON",
  "alarm_topic_urn" : "urn:smn:cn-north-7:b9351f98c724428xxxxxxxxx:DBSS-Message",
  "alarm_risk" : [ "high", "low" ]
}
```

Example Responses

Status code: 200

OK

```
{
  "status" : "success"
}
```

Status Codes

Status Code	Description
200	OK
400	Invalid request parameter.

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Status Code	Description
401	Unauthorized
403	Authorization failed.
500	Server error.

Error Codes

See **Error Codes**.

3.7 Auditing a Database

3.7.1 Querying databases

Function

Querying databases

URI

GET /v2/{project_id}/audit/{instance_id}/databases

Table 3-581 Path Parameters

Parameter	Mandatory	Type	Description
project_id	Yes	String	** Parameter description**: Specifies the project ID. You can obtain the value by calling the IAM API for querying the project list of a specified IAM user. ** Restrictions**: N/A ** Value range**: The value is subject to the return value of the IAM service interface. The value contains 32 to 64 characters. ** Default value**: N/A

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Parameter	Mandatory	Type	Description
instance_id	Yes	String	**Definition**: Instance ID. The value can be obtained from the ID field of the API for querying the instance list. ** Restrictions**: N/A **Range**: The value is subject to the value of the API for querying the instance list. The value contains 32 to 64 characters. ** Default value**: N/A

Table 3-582 Query Parameters

Parameter	Mandatory	Type	Description
status	No	String	Instance Status • ON: enabled • OFF: disabled
offset	No	String	**Definition**: Pagination offset. The query starts from the next piece of data indexed by this parameter. ** Restrictions**: Only integers greater than or equal to 0 are supported. **Range**: Greater than or equal to 0 ** Default value**: The default value is 0.

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Parameter	Mandatory	Type	Description
limit	No	String	**Definition**: Number of records queried on each page. ** Restrictions**: Only integers greater than 0 are supported. **Range**: Greater than 0 and less than or equal to 10000 ** Default value**: The default value is 100.

Request Parameters

Table 3-583 Request header parameters

Parameter	Mandatory	Type	Description
X-Auth-Token	Yes	String	** Parameter description**: User token. You can obtain the token by calling the IAM API used to query the user token. The token is the value of X-Subject-Token in the response header. ** Restrictions**: N/A ** Value range**: Used by the IAM service to query the user token. ** Default value**: N/A

Response Parameters

Status code: 200

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Table 3-584 Response body parameters

Parameter	Type	Description
databases	Array of **DataBaseBean** objects	Database list
total	Integer	Total number of license files

Table 3-585 DataBaseBean

Parameter	Type	Description
database	**DataBase** object	Database information

Table 3-586 DataBase

Parameter	Type	Description
id	String	The database record ID.
name	String	Database name
type	String	Type of the database to be added. The value can be: • MYSQL • ORACLE • POSTGRESQL • SQLSERVER • DAMENG • TAURUS • DWS • KINGBASE • GAUSSDBOPENGAUSS • GREENPLUM • HIGHGO • SHENTONG • GBASE8A • GBASE8S • GBASEXDM • MONGODB • DDS
version	String	DB Version

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Parameter	Type	Description
charset	String	Database character sets • GBK • UTF8
ip	String	Database IP address
port	String	Database Port
os	String	Database OS
status	String	Instance Status • ON: enabled • OFF: disabled
instance_name	String	Database instance
audit_status	String	Database status. The value can be: • ACTIVE • SHUTOFF • ERROR
agent_url	Array of strings	Unique ID of an agent
db_classification	String	Database classification. The value can be: • RDS: RDS database • ECS: self-built database
rds_audit_switch_mismatch	Boolean	The audit switch status of the RDS instance does not match. When the database audit function is enabled and the log upload function on RDS is disabled, the value of this field is true.
rds_id	String	ID of the RDS database.
rds_obj_info	String	RDS database information.
dws_obj_info	String	GaussDB(DWS) database information.
clouddb_obj_info	String	Cloud database information. This field has been discarded.

Status code: 400

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Table 3-587 Response body parameters

Parameter	Type	Description
details	Array of **DbssErrorDetail** objects	PDP5 authentication exception information
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes
error_msg	String	Error message.

Table 3-588 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

Status code: 403

Table 3-589 Response body parameters

Parameter	Type	Description
details	Array of **DbssErrorDetail** objects	PDP5 authentication exception information
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes
error_msg	String	Error message.

Table 3-590 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

Status code: 500

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Table 3-591 Response body parameters

Parameter	Type	Description
details	Array of DbssErrorDetail objects	PDP5 authentication exception information
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes
error_msg	String	Error message.

Table 3-592 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

Example Requests

/v2/{project_id}/audit/{instance_id}/databases

Example Responses

Status code: 200

Success


```
{
  "databases" : [ {
    "database" : {
      "charset" : "UTF8",
      "clouddb_obj_info" : null,
      "db_classification" : "ECS",
      "dws_obj_info" : null,
      "id" : "twS8v5gBhN3UjKKcoyJ6",
      "instance_name" : null,
      "ip" : "10.0.2.3",
      "name" : "pgtest",
      "port" : "5300",
      "rds_audit_switch_mismatch" : false,
      "rds_id" : null,
      "rds_obj_info" : null,
      "status" : false,
      "type" : "POSTGRESQL",
      "version" : "7.4"
    }
  }, {
    "database" : {
      "charset" : "GBK",
      "clouddb_obj_info" : null,
      "db_classification" : "ECS",
      "dws_obj_info" : null,
      "id" : "4YF4Y5gBzqyXNYgsjgsC",
```


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```
    "instance_name" : null,
    "ip" : "122.24.4.52",
    "name" : "Tewensente",
    "port" : "1",
    "rds_audit_switch_mismatch" : false,
    "rds_id" : null,
    "rds_obj_info" : null,
    "status" : false,
    "type" : "MYSQL",
    "version" : "5.0"
   }
  } ],
  "total" : 2
}
```


Status Codes

Status Code	Description
200	Success
400	Incorrect request parameter.
403	Authorization failed.
500	Internal server error.

Error Codes

See **Error Codes**.

3.7.2 Querying the RDS Database List

Function

Querying the RDS Database List

URI

GET /v2/{project_id}/audit/databases/rds

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Table 3-593 Path Parameters

Parameter	Mandatory	Type	Description
project_id	Yes	String	**Definition**: Project ID. You can obtain the value by calling the IAM API for querying the project list of a specified IAM user. **Constraints** N/A **Range**: The value is subject to the return value of the IAM service interface. The value contains 32 to 64 characters. **Default Value**: N/A

Table 3-594 Query Parameters

Parameter	Mandatory	Type	Description
db_type	Yes	String	**Definition**: Applicable Database ** Restrictions**: The value is case sensitive. Only values within the value range can be transferred. **Range**: • MYSQL • ORACLE • POSTGRESQL • SQLSERVER • DAMENG • TAURUS • DWS • KINGBASE • MARIADB • GAUSSDBOPENGAUSS ** Default value**: N/A

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Parameter	Mandatory	Type	Description
offset	No	String	**Definition**: Pagination offset. The query starts from the next piece of data indexed by this parameter. **Constraints** Only integers greater than or equal to 0 are supported. **Range**: Greater than or equal to 0 **Default Value**: The default value is 0.
limit	No	String	**Definition**: Number of records queried on each page. ** Restrictions**: Only integers greater than 0 are supported. **Range**: Greater than 0 and less than or equal to 10000 ** Default value**: The default value is 100.

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Request Parameters

Table 3-595 Request header parameters

Parameter	Mandatory	Type	Description
X-Auth-Token	Yes	String	**Definition**: User token. The token can be queried by calling the IAM API. (The token is the value of X-Subject-Token in the response header.) **Constraints** N/A **Range**: The value is subject to the user token query interface of the IAM service. **Default Value**: N/A

Response Parameters

Status code: 200

Table 3-596 Response body parameters

Parameter	Type	Description
databases	Array of **databases** objects	RDS database list
total_count	Integer	Total number of license files

Table 3-597 databases

Parameter	Type	Description
id	String	ID
db_name	String	Database name

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Parameter	Type	Description
status	String	Instance status. • BUILD: The instance is being created. • ACTIVE: The instance is normal. • FAILED: The instance is abnormal. • FROZEN: The instance is frozen. • MODIFYING: The instance is being scaled out. • REBOOTING: The instance is being restarted. • RESTORING: The instance is being restored. • MODIFYING INSTANCE TYPE: The instance is changing to primary/standby. • SWITCHOVER: A primary/standby switchover is being performed. • MIGRATING: The instance is being migrated. • BACKING UP: The instance is being backed up. • MODIFYING DATABASE PORT: The database port is being changed for the instance. • STORAGE FULL: The instance disk space is full.
port	String	Database Port
ip	String	Database IP address
instance_name	String	RDS instance name
type	String	Applicable Database • MYSQL • ORACLE • POSTGRESQL • SQLSERVER • DAMENG • TAURUS • DWS • KINGBASE • MARIADB • GAUSSDBOPENGAUSS

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Parameter	Type	Description
version	String	Version
is_supported	Boolean	Whether agent-free audit is supported
enterprise_id	String	Enterprise project ID

Status code: 400

Table 3-598 Response body parameters

Parameter	Type	Description
details	Array of **DbssErrorDetail** objects	PDP5 authentication exception information
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes
error_msg	String	Error message.

Table 3-599 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

Status code: 403

Table 3-600 Response body parameters

Parameter	Type	Description
details	Array of **DbssErrorDetail** objects	PDP5 authentication exception information
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes
error_msg	String	Error message.

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Table 3-601 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

Status code: 500

Table 3-602 Response body parameters

Parameter	Type	Description
details	Array of **DbssErrorDetail** objects	PDP5 authentication exception information
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes
error_msg	String	Error message.

Table 3-603 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

Example Requests

```
/v2/{project_id}/audit/databases/rds?db_type=MYSQL&offset=0&limit=10
```

Example Responses

Status code: 200

Success

```
{
  "databases" : [ {
    "id" : "5a5c4ca8b10f4b00bc88e03866fe3fd4in01",
    "db_name" : "rds-cwx1216198",
    "status" : "ACTIVE",
    "port" : "3306",
    "ip" : "192.168.0.159",
    "instance_name" : "rds-cwx1216198",
    "type" : "MySQL",
    "version" : "5.7",
    "is_supported" : null,
```

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```
    "enterprise_id" : "0"
  }, {
    "id" : "3f1cfaac552e42f1bb9855993586076cin01",
    "db_name" : "rds-5c25",
    "status" : "FROZEN",
    "port" : "3306",
    "ip" : "192.168.0.14",
    "instance_name" : "rds-5c25",
    "type" : "MySQL",
    "version" : "5.7",
    "is_supported" : null,
    "enterprise_id" : "0"
  } ],
  "total_count" : 2
}
```


Status Codes

Status Code	Description
200	Success
400	Incorrect request parameter.
403	Authorization failed.
500	Internal server error.

Error Codes

See **Error Codes**.

3.7.3 Adding a Self-Built Database

Function

Adding a Self-Built Database

URI

POST /v2/{project_id}/audit/{instance_id}/databases

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Table 3-604 Path Parameters

Parameter	Mandatory	Type	Description
project_id	Yes	String	**Definition**: Project ID You can obtain the value by calling the IAM API for querying the project list of a specified IAM user. ** Restrictions**: N/A **Range**: The value is subject to the return value of the IAM service interface. The value contains 32 to 64 characters. ** Default value**: N/A
instance_id	Yes	String	**Definition**: Instance ID. The value can be obtained from the ID field of the API for querying the instance list. ** Restrictions**: N/A **Range**: The value is subject to the value of the API for querying the instance list. The value contains 32 to 64 characters. ** Default value**: N/A

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Request Parameters

Table 3-605 Request header parameters

Parameter	Mandatory	Type	Description
X-Auth-Token	Yes	String	** Parameter description**: User token. You can obtain the token by calling the IAM API used to query the user token. The token is the value of X-Subject-Token in the response header. ** Restrictions**: N/A ** Value range**: Used by the IAM service to query the user token. ** Default value**: N/A

Table 3-606 Request body parameters

Parameter	Mandatory	Type	Description
database	Yes	**database** object	Database information

Table 3-607 database

Parameter	Mandatory	Type	Description
db_classification	Yes	String	Database classification. The value can be: • RDS: RDS database • ECS: self-built database
name	Yes	String	Database name

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Parameter	Mandatory	Type	Description
type	Yes	String	Applicable Database • MYSQL • ORACLE • POSTGRESQL • SQLSERVER • DAMENG • TAURUS • DWS • KINGBASE • GAUSSDBOPENGAUSS • GREENPLUM • HIGHGO • SHENTONG • GBASE8A • GBASE8S • GBASEXDM • MONGODB • DDS
version	Yes	String	DB Version
charset	Yes	String	Character set. • GBK • UTF8
ip	Yes	String	Database IP address
port	Yes	String	Database Port
os	Yes	String	Database OS • LINUX64 • WINDOWS64 • UNIX
instance_name	No	String	Database instance name

Response Parameters

Status code: 200

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Table 3-608 Response body parameters

Parameter	Type	Description
id	String	The database record ID.

Status code: 400

Table 3-609 Response body parameters

Parameter	Type	Description
details	Array of **DbssErrorDetail** objects	PDP5 authentication exception information
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes
error_msg	String	Error message.

Table 3-610 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

Status code: 403

Table 3-611 Response body parameters

Parameter	Type	Description
details	Array of **DbssErrorDetail** objects	PDP5 authentication exception information
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes
error_msg	String	Error message.

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Table 3-612 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

Status code: 500

Table 3-613 Response body parameters

Parameter	Type	Description
details	Array of **DbssErrorDetail** objects	PDP5 authentication exception information
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes
error_msg	String	Error message.

Table 3-614 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

Example Requests

```
/v2/{project_id}/audit/{instance_id}/databases

{
  "database" : {
    "name" : "test",
    "type" : "POSTGRESQL",
    "version" : "7.4",
    "charset" : "UTF8",
    "ip" : "1.1.1.1",
    "port" : "66",
    "instance_name" : "testaaa",
    "os" : "LINUX64",
    "db_classification" : "ECS"
  }
}
```

Example Responses

Status code: 200

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Success

```
{
  "id" : "Fadq-Y4B51p4J06sRc4F"
}
```

Status Codes

Status Code	Description
200	Success
400	Failed
403	Authorization failed.
500	Server error.

Error Codes

See **Error Codes**.

3.7.4 Adding an RDS Database

Function

Adding an RDS Database

URI

POST /v3/{project_id}/audit/{instance_id}/databases/rds

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Table 3-615 Path Parameters

Parameter	Mandatory	Type	Description
project_id	Yes	String	**Definition**: Project ID You can obtain the value by calling the IAM API for querying the project list of a specified IAM user. ** Restrictions**: N/A **Range**: The value is subject to the return value of the IAM service interface. The value contains 32 to 64 characters. ** Default value**: N/A
instance_id	Yes	String	**Definition**: Instance ID. The value can be obtained from the ID field of the API for querying the instance list. ** Restrictions**: N/A **Range**: The value is subject to the value of the API for querying the instance list. The value contains 32 to 64 characters. ** Default value**: N/A

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Request Parameters

Table 3-616 Request header parameters

Parameter	Mandatory	Type	Description
X-Auth-Token	Yes	String	**Definition**: User token. The token can be queried by calling the IAM API. (The token is the value of X-Subject-Token in the response header.) ** Restrictions**: N/A **Range**: Used by the IAM service to query the user token. ** Default value**: N/A

Table 3-617 Request body parameters

Parameter	Mandatory	Type	Description
databases	Yes	Array of **databases** objects	Databases

Table 3-618 databases

Parameter	Mandatory	Type	Description
id	Yes	String	RDS database ID, which can be obtained from the ID field of the API for querying the RDS database list.

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Parameter	Mandatory	Type	Description
type	Yes	String	Applicable Database • MYSQL • ORACLE • POSTGRESQL • SQLSERVER • DAMENG • TAURUS • DWS • KINGBASE • MARIADB • GAUSSDBOPENGAUSS

Response Parameters

Status code: 200

Table 3-619 Response body parameters

Parameter	Type	Description
ret_list	Array of **ret_list** objects	Result list

Table 3-620 ret_list

Parameter	Type	Description
id	String	RDS database ID
ret_status	String	Alarm status. • SUCCESS • FAILED
ret_message	String	Description

Status code: 400

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Table 3-621 Response body parameters

Parameter	Type	Description
details	Array of **DbssErrorDetail** objects	PDP5 authentication exception information
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes
error_msg	String	Error message.

Table 3-622 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

Status code: 403

Table 3-623 Response body parameters

Parameter	Type	Description
details	Array of **DbssErrorDetail** objects	PDP5 authentication exception information
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes
error_msg	String	Error message.

Table 3-624 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

Status code: 500

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Table 3-625 Response body parameters

Parameter	Type	Description
details	Array of DbssErrorDetail objects	PDP5 authentication exception information
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes
error_msg	String	Error message.

Table 3-626 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

Example Requests

```
/v3/{project_id}/audit/{instance_id}/databases/rds

{
  "databases" : [ {
    "id" : "123751d3ee2f47aea64822e98318c6a8in01",
    "type" : "MYSQL"
  } ]
}
```

Example Responses

Status code: 200

Success

```
{
  "ret_list" : [ {
    "id" : "123751d3ee2f47aea64822e98318c6a8in01",
    "ret_status" : "SUCCESS",
    "ret_message" : null
  }, {
    "id" : "2343f7285d684fed8b09fac201c3fc7ain01",
    "ret_status" : "FAILED",
    "ret_message" : "Unknown error."
  } ]
}
```


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Status Codes

Status Code	Description
200	Success
400	Failed
403	Authorization failed.
500	Server error.

Error Codes

See **Error Codes**.

3.7.5 Deleting a Database

Function

Deleting a Database

URI

DELETE /v3/{project_id}/audit/{instance_id}/databases/{id}

Table 3-627 Path Parameters

Parameter	Mandatory	Type	Description
project_id	Yes	String	**Definition**: Specifies the project ID. You can obtain the value by calling the IAM API for querying the project list of a specified IAM user. **Constraints** N/A **Range**: The value is subject to the return value of the IAM service interface. The value contains 32 to 64 characters. ** Default value**: N/A

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Parameter	Mandatory	Type	Description
instance_id	Yes	String	**Definition**: Instance ID. The value can be obtained from the ID field of the API for querying the instance list. **Constraints** N/A **Range**: The value is subject to the value of the API for querying the instance list. The value contains 32 to 64 characters. ** Default value**: N/A
id	Yes	String	**Definition**: Database ID You can obtain the value from the ID field of the interface for querying the database list. ** Restrictions**: N/A **Range**: The value is subject to the value of the interface for querying the database list. The value contains 16 to 64 characters. ** Default value**: N/A

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Request Parameters

Table 3-628 Request header parameters

Parameter	Mandatory	Type	Description
X-Auth-Token	Yes	String	**Definition**: User token. The token can be queried by calling the IAM API. (The token is the value of X-Subject-Token in the response header.) **Constraints** N/A **Range**: The value is subject to the user token query interface of the IAM service. **Default Value**: N/A

Response Parameters

Status code: 200

Table 3-629 Response body parameters

Parameter	Type	Description
status	String	Alarm status. • SUCCESS: success • FAILED: failed

Status code: 400

Table 3-630 Response body parameters

Parameter	Type	Description
details	Array of DbssErrorDetail objects	PDP5 authentication exception information
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes

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Parameter	Type	Description
error_msg	String	Error message.

Table 3-631 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

Status code: 403

Table 3-632 Response body parameters

Parameter	Type	Description
details	Array of **DbssErrorDetail** objects	PDP5 authentication exception information
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes
error_msg	String	Error message.

Table 3-633 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

Status code: 500

Table 3-634 Response body parameters

Parameter	Type	Description
details	Array of **DbssErrorDetail** objects	PDP5 authentication exception information

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Parameter	Type	Description
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes
error_msg	String	Error message.

Table 3-635 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

Example Requests

/v3/{project_id}/audit/{instance_id}/databases/{id}

Example Responses

Status code: 200

Success

```
{
  "status" : "SUCCESS"
}
```

Status Codes

Status Code	Description
200	Success
400	Failed
403	Authorization failed.
500	Server error.

Error Codes

See **Error Codes**.

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3.7.6 Enabling or Disabling Database

Function

Enabling or Disabling Database

URI

POST /v3/{project_id}/audit/{instance_id}/databases/switch

Table 3-636 Path Parameters

Parameter	Mandatory	Type	Description
project_id	Yes	String	**Definition**: Project ID You can obtain the value by calling the IAM API for querying the project list of a specified IAM user. ** Restrictions**: N/A **Range**: The value is subject to the return value of the IAM service interface. The value contains 32 to 64 characters. ** Default value**: N/A
instance_id	Yes	String	** Parameter description**: Instance ID. The value can be obtained from the ID field of the API for querying the instance list. ** Restrictions**: N/A ** Value range**: The value is subject to the value of the API for querying the instance list. The value contains 32 to 64 characters. ** Default value**: N/A

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Request Parameters

Table 3-637 Request header parameters

Parameter	Mandatory	Type	Description
X-Auth-Token	Yes	String	**Definition**: User token. The token can be queried by calling the IAM API. (The token is the value of X-Subject-Token in the response header.) ** Restrictions**: N/A **Range**: Used by the IAM service to query the user token. ** Default value**: N/A

Table 3-638 Request body parameters

Parameter	Mandatory	Type	Description
id	Yes	String	Database ID, which can be obtained from the ID field of the API for querying the database list.
status	Yes	String	Switch status. • **ON**: enabled • **OFF**: disabled
lts_audit_switch	No	Integer	Whether to disable LTS audit, which is used in the DWS database scenario. If you do not disable LTS audit, no operation is required. • **1**: yes • **0** or others: remain unchanged

Response Parameters

Status code: 200

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Table 3-639 Response body parameters

Parameter	Type	Description
status	String	Alarm status. • SUCCESS: success • FAILED: failed

Status code: 400

Table 3-640 Response body parameters

Parameter	Type	Description
details	Array of **DbssErrorDetail** objects	PDP5 authentication exception information
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes
error_msg	String	Error message.

Table 3-641 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

Status code: 403

Table 3-642 Response body parameters

Parameter	Type	Description
details	Array of **DbssErrorDetail** objects	PDP5 authentication exception information
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes
error_msg	String	Error message.

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Table 3-643 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

Status code: 500

Table 3-644 Response body parameters

Parameter	Type	Description
details	Array of DbssErrorDetail objects	PDP5 authentication exception information
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes
error_msg	String	Error message.

Table 3-645 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

Example Requests

```
/v3/{project_id}/audit/{instance_id}/databases/switch

{
  "id" : "Gadr-Y4B51p4J06s5s5B",
  "status" : "OFF"
}
```

Example Responses

Status code: 200

Success

```
{
  "status" : "success"
}
```


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Status Codes

Status Code	Description
200	Success
400	Failed
403	Authorization failed.
500	Server error.

Error Codes

See **Error Codes**.

3.7.7 Export audit database configuration to OBS

Function

Export audit database configuration to OBS

URI

POST /v1/{project_id}/audit/databases/configs/obs-upload

Table 3-646 Path Parameters

Parameter	Mandatory	Type	Description
project_id	Yes	String	**Definition**: Project ID. You can obtain the value by calling the IAM API for querying the project list of a specified IAM user. **Constraints** N/A **Range**: The value is subject to the return value of the IAM service interface. The value contains 32 to 64 characters. **Default Value**: N/A

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Request Parameters

Table 3-647 Request header parameters

Parameter	Mandatory	Type	Description
X-Auth-Token	Yes	String	**Definition**: User token. The token can be queried by calling the IAM API. (The token is the value of X-Subject-Token in the response header.) **Constraints** N/A **Range**: The value is subject to the user token query interface of the IAM service. **Default Value**: N/A

Response Parameters

Status code: 200

Table 3-648 Response body parameters

Parameter	Type	Description
result	String	Operation Result • success: Request succeeded • failed: failed

Status code: 400

Table 3-649 Response body parameters

Parameter	Type	Description
details	Array of **DbssErrorDetail** objects	PDP5 authentication exception information
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes

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Parameter	Type	Description
error_msg	String	Error message.

Table 3-650 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

Status code: 401

Table 3-651 Response body parameters

Parameter	Type	Description
details	Array of **DbssErrorDetail** objects	PDP5 authentication exception information
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes
error_msg	String	Error message.

Table 3-652 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

Status code: 403

Table 3-653 Response body parameters

Parameter	Type	Description
details	Array of **DbssErrorDetail** objects	PDP5 authentication exception information

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Parameter	Type	Description
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes
error_msg	String	Error message.

Table 3-654 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

Status code: 500

Table 3-655 Response body parameters

Parameter	Type	Description
details	Array of DbssErrorDetail objects	PDP5 authentication exception information
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes
error_msg	String	Error message.

Table 3-656 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

Example Requests

/v1/{project_id}/audit/databases/configs/obs-upload

Example Responses

Status code: 200

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OK

```
{
  "result" : "success"
}
```

Status Codes

Status Code	Description
200	OK
400	Invalid request parameter.
401	Authorization failed.
403	Unauthorized
500	Server error.

Error Codes

See **Error Codes**.

3.8 Auditing Agent

3.8.1 Querying the Database Agent List

Function

Querying the Database Agent List

URI

GET /v3/{project_id}/audit/{instance_id}/agents

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Table 3-657 Path Parameters

Parameter	Mandatory	Type	Description
project_id	Yes	String	** Parameter description**: Specifies the project ID. You can obtain the value by calling the IAM API for querying the project list of a specified IAM user. ** Restrictions**: N/A ** Value range**: The value is subject to the return value of the IAM service interface. The value contains 32 to 64 characters. ** Default value**: N/A
instance_id	Yes	String	**Definition**: Instance ID. The value can be obtained from the ID field of the API for querying the instance list. ** Restrictions**: N/A **Range**: The value is subject to the value of the API for querying the instance list. The value contains 32 to 64 characters. ** Default value**: N/A

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Table 3-658 Query Parameters

Parameter	Mandatory	Type	Description
db_id	Yes	String	**Definition**: Database ID, which can be obtained from the ID field of the API for querying the database list. ** Restrictions**: N/A **Range**: The value is subject to the value of the interface for querying the database list. The value contains 16 to 64 characters. ** Default value**: N/A

Request Parameters

Table 3-659 Request header parameters

Parameter	Mandatory	Type	Description
X-Auth-Token	Yes	String	** Parameter description**: User token. You can obtain the token by calling the IAM API used to query the user token. The token is the value of X-Subject-Token in the response header. ** Restrictions**: N/A ** Value range**: Used by the IAM service to query the user token. ** Default value**: N/A

Response Parameters

Status code: 200

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Table 3-660 Response body parameters

Parameter	Type	Description
agents	Array of **agents** objects	Agent list

Table 3-661 agents

Parameter	Type	Description
agent_id	String	agent ID
agent_type	String	Agent type
agent_os	String	agent OS
agent_ip	String	IP address of the node where the agent is installed
mem_threshold	Integer	Memory Threshold
cpu_threshold	Integer	CPU Threshold
status	Integer	Agent status
agent_nic	String	Agent NIC
db_name	String	Database name
datacap_status	Integer	Status of capturing data flows
agent_url	String	Agent installation address
universal	Boolean	CCE scenario or not
sha256	String	SHA256 Value

Status code: 400

Table 3-662 Response body parameters

Parameter	Type	Description
details	Array of **DbssErrorDetail** objects	PDP5 authentication exception information
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes
error_msg	String	Error message.

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Table 3-663 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

Status code: 403

Table 3-664 Response body parameters

Parameter	Type	Description
details	Array of DbssErrorDetail objects	PDP5 authentication exception information
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes
error_msg	String	Error message.

Table 3-665 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

Status code: 500

Table 3-666 Response body parameters

Parameter	Type	Description
details	Array of DbssErrorDetail objects	PDP5 authentication exception information
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes
error_msg	String	Error message.

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Table 3-667 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

Example Requests

/v3/{project_id}/audit/{instance_id}/agents

Example Responses

Status code: 200

Success


```
{
  "agents" : [ {
    "agent_id" : "X1miCo8BDdIO3rwSbhug",
    "agent_type" : "DB",
    "agent_os" : "LINUX64_X86",
    "agent_ip" : "2407:c080:11f0:23b:59d5:7ddf:5650:447b",
    "agent_nic" : "",
    "cpu_threshold" : 80,
    "mem_threshold" : 80,
    "db_name" : "",
    "status" : 1,
    "datacap_status" : 1,
    "agent_url" : "/opt/dbss_audit/audit_server/agent/",
    "universal" : false,
    "sha256" : "2619a4fc8ff3b3dda48c4347630bc8d7ece2e1f046eab7ac044e7d0df49886e3"
  } ]
}
```


Status Codes

Status Code	Description
200	Success
400	Incorrect request parameter.
403	Authorization failed.
500	Internal server error.

Error Codes

See **Error Codes**.

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3.8.2 Adding an Audit Database Agent

Function

Adding an Audit Database Agent

URI

POST /v3/{project_id}/audit/{instance_id}/agents

Table 3-668 Path Parameters

Parameter	Mandatory	Type	Description
project_id	Yes	String	**Definition**: Project ID You can obtain the value by calling the IAM API for querying the project list of a specified IAM user. ** Restrictions**: N/A **Range**: The value is subject to the return value of the IAM service interface. The value contains 32 to 64 characters. ** Default value**: N/A
instance_id	Yes	String	** Parameter description**: Instance ID. The value can be obtained from the ID field of the API for querying the instance list. ** Restrictions**: N/A ** Value range**: The value is subject to the value of the API for querying the instance list. The value contains 32 to 64 characters. ** Default value**: N/A

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Request Parameters

Table 3-669 Request header parameters

Parameter	Mandatory	Type	Description
X-Auth-Token	Yes	String	** Parameter description**: User token. You can obtain the token by calling the IAM API used to query the user token. The token is the value of X-Subject-Token in the response header. ** Restrictions**: N/A ** Value range**: Used by the IAM service to query the user token. ** Default value**: N/A

Table 3-670 Request body parameters

Parameter	Mandatory	Type	Description
db_id	Yes	String	Database ID, which can be obtained from the ID field of the API for querying the database list.
mode	Yes	Integer	Mode • 0: Create an agent. • 1: Select an existing agent.
agent_id	No	String	Mandatory when an existing agent is selected
agent_type	Yes	String	Agent type. The value can be: • APP: application end • DB: database
agent_os	Yes	String	Agent OS type. The value can be: • LINUX64_X86 • LINUX64_ARM • WINDOWS64

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Parameter	Mandatory	Type	Description
agent_ip	No	String	Agent IP address. This is mandatory when node type is set to Application.
agent_nic	No	String	Name of the agent audit NIC
cpu_threshold	No	Integer	CPU threshold
mem_threshold	No	Integer	Memory Threshold

Response Parameters

Status code: 200

Table 3-671 Response body parameters

Parameter	Type	Description
result	String	Operation Result • SUCCESS: success

Status code: 400

Table 3-672 Response body parameters

Parameter	Type	Description
details	Array of **DbssErrorDetail** objects	PDP5 authentication exception information
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes
error_msg	String	Error message.

Table 3-673 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

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Status code: 403

Table 3-674 Response body parameters

Parameter	Type	Description
details	Array of **DbssErrorDetail** objects	PDP5 authentication exception information
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes
error_msg	String	Error message.

Table 3-675 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

Status code: 500

Table 3-676 Response body parameters

Parameter	Type	Description
details	Array of **DbssErrorDetail** objects	PDP5 authentication exception information
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes
error_msg	String	Error message.

Table 3-677 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

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Example Requests

```
/v3/{project_id}/audit/{instance_id}/agents

{
  "db_id" : "Gadr-Y4B51p4J06s5s5B",
  "mode" : 0,
  "agent_type" : "DB",
  "agent_os" : "LINUX64_X86",
  "cpu_threshold" : 80,
  "mem_threshold" : 80
}
```

Example Responses

Status code: 200

Success

```
{
  "result" : "SUCCESS"
}
```

Status Codes

Status Code	Description
200	Success
400	Failed
403	Authorization failed.
500	Server error.

Error Codes

See **Error Codes**.

3.8.3 Deleting a Database Agent

Function

Deleting a Database Agent

URI

DELETE /v3/{project_id}/audit/{instance_id}/agents/{agent_id}

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Table 3-678 Path Parameters

Parameter	Mandatory	Type	Description
project_id	Yes	String	**Definition**: Project ID You can obtain the value by calling the IAM API for querying the project list of a specified IAM user. ** Restrictions**: N/A **Range**: The value is subject to the return value of the IAM service interface. The value contains 32 to 64 characters. ** Default value**: N/A
instance_id	Yes	String	**Definition**: Instance ID. The value can be obtained from the ID field of the API for querying the instance list. ** Restrictions**: N/A **Range**: The value is subject to the value of the API for querying the instance list. The value contains 32 to 64 characters. ** Default value**: N/A

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Parameter	Mandatory	Type	Description
agent_id	Yes	String	**Definition**: Audit agent ID. The value can be obtained from the agent_id field in the API for obtaining the agent list. ** Restrictions**: N/A **Range**: The value is the same as the value of agent_id in the API for obtaining the agent list. The value is a string of 16 to 64 characters. ** Default value**: N/A

Table 3-679 Query Parameters

Parameter	Mandatory	Type	Description
db_id	Yes	String	**Definition**: Database ID, which can be obtained from the ID field of the API for querying the database list. ** Restrictions**: N/A **Range**: The value is subject to the value of the interface for querying the database list. The value contains 16 to 64 characters. ** Default value**: N/A

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Request Parameters

Table 3-680 Request header parameters

Parameter	Mandatory	Type	Description
X-Auth-Token	Yes	String	** Parameter description**: User token. You can obtain the token by calling the IAM API used to query the user token. The token is the value of X-Subject-Token in the response header. ** Restrictions**: N/A ** Value range**: Used by the IAM service to query the user token. ** Default value**: N/A

Response Parameters

Status code: 200

Table 3-681 Response body parameters

Parameter	Type	Description
result	String	Operation Result • SUCCESS: success

Status code: 400

Table 3-682 Response body parameters

Parameter	Type	Description
details	Array of **DbssErrorDetail** objects	PDP5 authentication exception information
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes

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Parameter	Type	Description
error_msg	String	Error message.

Table 3-683 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

Status code: 403

Table 3-684 Response body parameters

Parameter	Type	Description
details	Array of **DbssErrorDetail** objects	PDP5 authentication exception information
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes
error_msg	String	Error message.

Table 3-685 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

Status code: 500

Table 3-686 Response body parameters

Parameter	Type	Description
details	Array of **DbssErrorDetail** objects	PDP5 authentication exception information

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Parameter	Type	Description
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes
error_msg	String	Error message.

Table 3-687 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

Example Requests

/v3/{project_id}/audit/{instance_id}/agents/{agent_id}

Example Responses

Status code: 200

Success

```
{
  "result" : "SUCCESS"
}
```

Status Codes

Status Code	Description
200	Success
400	Failed
403	Authorization failed.
500	Server error.

Error Codes

See **Error Codes**.

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3.8.4 Enabling/Disabling the Agent

Function

This API is used to enable or disable the agent audit function. An enabled agent collects user access information.

URI

POST /v2/{project_id}/audit/{instance_id}/agent/switch

Table 3-688 Path Parameters

Parameter	Mandatory	Type	Description
project_id	Yes	String	**Definition**: Project ID You can obtain the value by calling the IAM API for querying the project list of a specified IAM user. ** Restrictions**: N/A **Range**: The value is subject to the return value of the IAM service interface. The value contains 32 to 64 characters. ** Default value**: N/A
instance_id	Yes	String	** Parameter description**: Instance ID. The value can be obtained from the ID field of the API for querying the instance list. ** Restrictions**: N/A ** Value range**: The value is subject to the value of the API for querying the instance list. The value contains 32 to 64 characters. ** Default value**: N/A

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Request Parameters

Table 3-689 Request header parameters

Parameter	Mandatory	Type	Description
X-Auth-Token	Yes	String	**Definition**: User token. The token can be queried by calling the IAM API. (The token is the value of X-Subject-Token in the response header.) ** Restrictions**: N/A **Range**: Used by the IAM service to query the user token. ** Default value**: N/A

Table 3-690 Request body parameters

Parameter	Mandatory	Type	Description
agent_id	Yes	String	Audit agent ID. You can obtain the value from the ID field of the API for querying the agent list.
status	Yes	Integer	Agent status. The value can be: • 1: enabled • 0: disabled

Response Parameters

Status code: 200

Table 3-691 Response body parameters

Parameter	Type	Description
result	String	Operation Result • SUCCESS: success

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Status code: 400

Table 3-692 Response body parameters

Parameter	Type	Description
details	Array of **DbssErrorDetail** objects	PDP5 authentication exception information
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes
error_msg	String	Error message.

Table 3-693 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

Status code: 403

Table 3-694 Response body parameters

Parameter	Type	Description
details	Array of **DbssErrorDetail** objects	PDP5 authentication exception information
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes
error_msg	String	Error message.

Table 3-695 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

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Example Requests

```
/v2/{project_id}/audit/{instance_id}/agent/switch

{
  "agent_id" : "ASWDSDSDSWEWDSDSD",
  "status" : 1
}
```

Example Responses

Status code: 200

Request succeeded.

```
{
  "result" : "SUCCESS"
}
```

Status Codes

Status Code	Description
200	Request succeeded.
400	Invalid request parameter.
403	Authentication failed.

Error Codes

See **Error Codes**.

3.8.5 Downloading the Audit Agent

Function

Downloading the Audit Agent

URI

GET /v2/{project_id}/audit/{instance_id}/agents/{agent_id}/download

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Table 3-696 Path Parameters

Parameter	Mandatory	Type	Description
project_id	Yes	String	** Parameter description**: Specifies the project ID. You can obtain the value by calling the IAM API for querying the project list of a specified IAM user. ** Restrictions**: N/A ** Value range**: The value is subject to the return value of the IAM service interface. The value contains 32 to 64 characters. ** Default value**: N/A
instance_id	Yes	String	** Parameter description**: Instance ID. The value can be obtained from the ID field of the API for querying the instance list. ** Restrictions**: N/A ** Value range**: The value is subject to the value of the API for querying the instance list. The value contains 32 to 64 characters. ** Default value**: N/A

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Parameter	Mandatory	Type	Description
agent_id	Yes	String	**Definition**: Audit agent ID. The value can be obtained from the agent_id field in the API for obtaining the agent list. ** Restrictions**: N/A **Range**: The value is the same as the value of agent_id in the API for obtaining the agent list. The value is a string of 16 to 64 characters. ** Default value**: N/A

Request Parameters

Table 3-697 Request header parameters

Parameter	Mandatory	Type	Description
X-Auth-Token	Yes	String	**Definition**: User token. The token can be queried by calling the IAM API. (The token is the value of X-Subject-Token in the response header.) ** Restrictions**: N/A **Range**: Used by the IAM service to query the user token. ** Default value**: N/A

Response Parameters

Status code: 200

The response body is lengthy; it is recommended to download it for viewing the complete content.

Status code: 400

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Table 3-698 Response body parameters

Parameter	Type	Description
details	Array of **DbssErrorDetail** objects	PDP5 authentication exception information
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes
error_msg	String	Error message.

Table 3-699 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

Status code: 403

Table 3-700 Response body parameters

Parameter	Type	Description
details	Array of **DbssErrorDetail** objects	PDP5 authentication exception information
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes
error_msg	String	Error message.

Table 3-701 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

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Example Requests

/v2/{project_id}/audit/{instance_id}/agents/{agent_id}/download

Example Responses

None

Status Codes

Status Code	Description
200	The response body is lengthy; it is recommended to download it for viewing the complete content.
400	Invalid request parameter.
403	Authentication failed.

Error Codes

See **Error Codes**.

3.8.6 Adding an Agent by Specifying the Agent ID

Function

Adding an Agent by Specifying the Agent ID

URI

POST /v2/{project_id}/audit/{instance_id}/agents/{agent_id}

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Table 3-702 Path Parameters

Parameter	Mandatory	Type	Description
project_id	Yes	String	**Definition**: Project ID You can obtain the value by calling the IAM API for querying the project list of a specified IAM user. ** Restrictions**: N/A **Range**: The value is subject to the return value of the IAM service interface. The value contains 32 to 64 characters. ** Default value**: N/A
instance_id	Yes	String	**Definition**: Instance ID. The value can be obtained from the ID field of the API for querying the instance list. ** Restrictions**: N/A **Range**: The value is subject to the value of the API for querying the instance list. The value contains 32 to 64 characters. ** Default value**: N/A

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Parameter	Mandatory	Type	Description
agent_id	Yes	String	**Definition**: Audit agent ID. The value can be obtained from the agent_id field in the API for obtaining the agent list. ** Restrictions**: N/A **Range**: The value is the same as the value of agent_id in the API for obtaining the agent list. The value is a string of 16 to 64 characters. ** Default value**: N/A

Request Parameters

Table 3-703 Request header parameters

Parameter	Mandatory	Type	Description
X-Auth-Token	Yes	String	** Parameter description**: User token. You can obtain the token by calling the IAM API used to query the user token. The token is the value of X-Subject-Token in the response header. ** Restrictions**: N/A ** Value range**: Used by the IAM service to query the user token. ** Default value**: N/A

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Table 3-704 Request body parameters

Parameter	Mandatory	Type	Description
cpu_threshold	Yes	Integer	CPU threshold. The value ranges from 0 to 100.
mem_threshold	Yes	Integer	Memory threshold. The value ranges from 0 to 100.

Response Parameters

Status code: 200

Table 3-705 Response body parameters

Parameter	Type	Description
result	String	Operation Result • SUCCESS: success

Status code: 400

Table 3-706 Response body parameters

Parameter	Type	Description
details	Array of **DbssErrorDetail** objects	PDP5 authentication exception information
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes
error_msg	String	Error message.

Table 3-707 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

Status code: 401

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Table 3-708 Response body parameters

Parameter	Type	Description
details	Array of **DbssErrorDetail** objects	PDP5 authentication exception information
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes
error_msg	String	Error message.

Table 3-709 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

Status code: 403

Table 3-710 Response body parameters

Parameter	Type	Description
details	Array of **DbssErrorDetail** objects	PDP5 authentication exception information
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes
error_msg	String	Error message.

Table 3-711 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

Status code: 500

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Table 3-712 Response body parameters

Parameter	Type	Description
details	Array of DbssErrorDetail objects	PDP5 authentication exception information
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes
error_msg	String	Error message.

Table 3-713 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

Example Requests

```
/v2/{project_id}/audit/{instance_id}/agent/{agent_id}

{
  "cpu_threshold" : 1,
  "mem_threshold" : 1
}
```

Example Responses

Status code: 200

OK

```
{
  "result" : "SUCCESS"
}
```

Status Codes

Status Code	Description
200	OK
400	Invalid request parameter.
401	Authorization failed.
403	Unauthorized

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Status Code	Description
500	Server error.

Error Codes

See **Error Codes**.

3.9 Audit Rules - Audit Scope

3.9.1 Querying the Policy List of an Audit Scope

Function

Query the policy list of an audit scope.

URI

GET /v1/{project_id}/audit/{instance_id}/rule/scopes

Table 3-714 Path Parameters

Parameter	Mandatory	Type	Description
project_id	Yes	String	**Definition** Project ID. You can obtain the value by calling the IAM API for [querying the project list of a specified IAM user]. **Constraints** N/A **Range** The value is determined by the value of the IAM API. The value contains 32 to 64 characters. **Default Value** N/A

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Parameter	Mandatory	Type	Description
instance_id	Yes	String	**Definition** Instance ID. The value can be obtained from the ID field of the API for querying the instance list. **Constraints** N/A **Range** The value is determined by the value of the API for querying the instance list. The value contains 32 to 64 characters. **Default Value** N/A

Table 3-715 Query Parameters

Parameter	Mandatory	Type	Description
offset	No	String	**Definition** Pagination offset. The query starts after the offset of the first data record. **Constraints** Only integers greater than or equal to 0 are supported. **Range** Greater than or equal to 0 **Default Value** The default value is 0.
limit	No	String	**Definition** Number of records queried on each page. **Constraints** Only integers greater than 0 are supported. **Range** Greater than 0 and less than or equal to 10000 **Default Value** The default value is 100.

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Request Parameters

Table 3-716 Request header parameters

Parameter	Mandatory	Type	Description
X-Auth-Token	Yes	String	**Definition** User token. You can obtain the token by calling the IAM API used to query the user token. The token is the value of X-Subject-Token in the response header. **Constraints** N/A **Range** Determined by the value of the IAM API used for querying user tokens. **Default Value** N/A

Response Parameters

Status code: 200

Table 3-717 Response body parameters

Parameter	Type	Description
scopes	Array of **RuleScopeInfo** objects	Audit scope rule list
total	Integer	Total number

Table 3-718 RuleScopeInfo

Parameter	Type	Description
id	String	Audit scope rule ID
name	String	Audit scope name
action	String	Actions in the audit scope
status	String	Audit scope rule status
exception_ips	String	Exception IP address of the audit scope

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Parameter	Type	Description
source_ips	String	Source IP address of the audit scope rule
source_ports	String	Port of the audit scope rule
db_ids	String	Database ID.
db_names	String	Database name
db_users	String	Database user.
all_audit	Boolean	Whether to perform full audit.

Status code: 400

Table 3-719 Response body parameters

Parameter	Type	Description
details	Array of **DbssErrorDetail** objects	PDP5 authentication exception information
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes
error_msg	String	Error message.

Table 3-720 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

Status code: 403

Table 3-721 Response body parameters

Parameter	Type	Description
details	Array of **DbssErrorDetail** objects	PDP5 authentication exception information

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Parameter	Type	Description
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes
error_msg	String	Error message.

Table 3-722 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

Status code: 500

Table 3-723 Response body parameters

Parameter	Type	Description
details	Array of DbssErrorDetail objects	PDP5 authentication exception information
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes
error_msg	String	Error message.

Table 3-724 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

Example Requests

/v1/{project_id}/audit/{instance_id}/rule/scopes

Example Responses

Status code: 200

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Success

```
{
  "scopes" : [ {
    "id" : "zX4W2ngBo47GiyUSBuNs",
    "name" : "Full audit rules",
    "action" : "",
    "status" : "ON",
    "exception_ips" : "",
    "source_ips" : "",
    "source_ports" : "",
    "db_ids" : "",
    "db_names" : "",
    "db_users" : "",
    "all_audit" : true
  } ],
  "total" : 1
}
```

Status Codes

Status Code	Description
200	Success
400	Incorrect request parameter.
403	Authorization failed.
500	Internal server error.

Error Codes

See **Error Codes**.

3.9.2 Deleting a Policy for an Audit Scope

Function

Delete a policy for an audit scope.

URI

DELETE /v1/{project_id}/audit/{instance_id}/rule/scopes/{id}

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Table 3-725 Path Parameters

Parameter	Mandatory	Type	Description
project_id	Yes	String	**Definition** Project ID. You can obtain the value by calling the IAM API for [querying the project list of a specified IAM user]. **Constraints** N/A **Range** The value is determined by the value of the IAM API. The value contains 32 to 64 characters. **Default Value** N/A
instance_id	Yes	String	**Definition** Instance ID. The value can be obtained from the ID field of the API for querying the instance list. **Constraints** N/A **Range** The value is determined by the value of the API for querying the instance list. The value contains 32 to 64 characters. **Default Value** N/A

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Parameter	Mandatory	Type	Description
id	Yes	String	**Definition** Audit scope ID. You can obtain the value from the ID field of the API for querying the audit scope policy list. **Constraints** N/A **Range** The value is determined by the value of the API for querying the audit scope policy list. The value is a string of 16 to 64 characters. **Default Value** N/A

Request Parameters

Table 3-726 Request header parameters

Parameter	Mandatory	Type	Description
X-Auth-Token	Yes	String	**Definition** User token. You can obtain the token by calling the IAM API used to query the user token. The token is the value of X-Subject-Token in the response header. **Constraints** N/A **Range** Determined by the value of the IAM API used for querying user tokens. **Default Value** N/A

Response Parameters

Status code: 200

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Table 3-727 Response body parameters

Parameter	Type	Description
status	String	Alarm status. • SUCCESS: success • FAILED: failed

Status code: 400

Table 3-728 Response body parameters

Parameter	Type	Description
details	Array of **DbssErrorDetail** objects	PDP5 authentication exception information
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes
error_msg	String	Error message.

Table 3-729 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

Status code: 401

Table 3-730 Response body parameters

Parameter	Type	Description
details	Array of **DbssErrorDetail** objects	PDP5 authentication exception information
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes
error_msg	String	Error message.

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Table 3-731 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

Status code: 403

Table 3-732 Response body parameters

Parameter	Type	Description
details	Array of **DbssErrorDetail** objects	PDP5 authentication exception information
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes
error_msg	String	Error message.

Table 3-733 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

Status code: 500

Table 3-734 Response body parameters

Parameter	Type	Description
details	Array of **DbssErrorDetail** objects	PDP5 authentication exception information
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes
error_msg	String	Error message.

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Table 3-735 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

Example Requests

```
/v1/{project_id}/audit/{instance_id}/rule/scopes/{id}
```

Example Responses

Status code: 200

OK

```
{
  "status" : "SUCCESS"
}
```

Status Codes

Status Code	Description
200	OK
400	Invalid request parameter.
401	Authorization failed.
403	Unauthorized
500	Server error.

Error Codes

See **Error Codes**.

3.9.3 Edit Audit Scope Rule

Function

Edit Audit Scope Rule

URI

POST /v3/{project_id}/audit/{instance_id}/rule/scopes/{id}

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Table 3-736 Path Parameters

Parameter	Mandatory	Type	Description
project_id	Yes	String	** Parameter description**: Specifies the project ID. You can obtain the value by calling the IAM API for querying the project list of a specified IAM user. ** Restrictions**: N/A ** Value range**: The value is subject to the return value of the IAM service interface. The value contains 32 to 64 characters. ** Default value**: N/A
instance_id	Yes	String	**Definition**: Instance ID. The value can be obtained from the ID field of the API for querying the instance list. ** Restrictions**: N/A **Range**: The value is subject to the value of the API for querying the instance list. The value contains 32 to 64 characters. ** Default value**: N/A

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Parameter	Mandatory	Type	Description
id	Yes	String	**Definition**: Audit scope ID. You can obtain the value from the ID field of the API for querying the audit scope policy list. ** Restrictions**: N/A **Range**: The value is subject to the value of the API for querying the audit scope policy list. The value is a string of 16 to 64 characters. ** Default value**: N/A

Request Parameters

Table 3-737 Request header parameters

Parameter	Mandatory	Type	Description
X-Auth-Token	Yes	String	** Parameter description**: User token. You can obtain the token by calling the IAM API used to query the user token. The token is the value of X-Subject-Token in the response header. ** Restrictions**: N/A ** Value range**: Used by the IAM service to query the user token. ** Default value**: N/A

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Table 3-738 Request body parameters

Parameter	Mandatory	Type	Description
action	No	String	Operation type. Use commas (,) to separate multiple operation types.
db_ids	Yes	String	Database ID. Use commas (,) to separate multiple IDs. To specify all values, set it to [ALL].
db_names	Yes	String	Database name. Use commas (,) to separate multiple database names. To specify all values, set it to [All databases].
db_users	No	String	Database account. Use commas (,) to separate multiple accounts.
exception_ips	No	String	Exception IP address. Use commas (,) to separate multiple IP addresses.
rule_name	Yes	String	Name
source_ips	No	String	Source IP address. Use commas (,) to separate multiple IP addresses.
source_ports	No	String	Source port. Use commas (,) to separate multiple ports.

Response Parameters

Status code: 200

Table 3-739 Response body parameters

Parameter	Type	Description
status	String	Alarm status. • SUCCESS: success • FAILED: failed

Status code: 400

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Table 3-740 Response body parameters

Parameter	Type	Description
details	Array of **DbssErrorDetail** objects	PDP5 authentication exception information
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes
error_msg	String	Error message.

Table 3-741 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

Status code: 401

Table 3-742 Response body parameters

Parameter	Type	Description
details	Array of **DbssErrorDetail** objects	PDP5 authentication exception information
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes
error_msg	String	Error message.

Table 3-743 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

Status code: 403

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Table 3-744 Response body parameters

Parameter	Type	Description
details	Array of **DbssErrorDetail** objects	PDP5 authentication exception information
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes
error_msg	String	Error message.

Table 3-745 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

Status code: 500

Table 3-746 Response body parameters

Parameter	Type	Description
details	Array of **DbssErrorDetail** objects	PDP5 authentication exception information
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes
error_msg	String	Error message.

Table 3-747 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

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Example Requests

/v3/{project_id}/audit/{instance_id}/rule/scopes/{id}

```
{
  "rule_name" : "TestScope",
  "db_ids" : "lQZpwJgB0g4pz3UTv74a",
  "exception_ips" : "10.0.0.1",
  "source_ips" : "12.0.0.2",
  "source_ports" : "3006",
  "action" : "LOGIN",
  "db_users" : "admin",
  "db_names" : "MySQL"
}
```

Example Responses

Status code: 200

OK

```
{
  "status" : "SUCCESS"
}
```

Status Codes

Status Code	Description
200	OK
400	Invalid request parameter.
401	Authorization failed.
403	Unauthorized
500	Server error.

Error Codes

See **Error Codes**.

3.9.4 Audit Scope Rule Operations - Deleting a Policy

Function

Audit Scope Rule Operations - Deleting a Policy

URI

POST /v1/{project_id}/audit/{instance_id}/rule/scopes/batch-delete

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Table 3-748 Path Parameters

Parameter	Mandatory	Type	Description
project_id	Yes	String	**Definition** Project ID. You can obtain the value by calling the IAM API for [querying the project list of a specified IAM user]. **Constraints** N/A **Range** The value is determined by the value of the IAM API. The value contains 32 to 64 characters. **Default Value** N/A
instance_id	Yes	String	**Definition** Instance ID. The value can be obtained from the ID field of the API for querying the instance list. **Constraints** N/A **Range** The value is determined by the value of the API for querying the instance list. The value contains 32 to 64 characters. **Default Value** N/A

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Request Parameters

Table 3-749 Request header parameters

Parameter	Mandatory	Type	Description
X-Auth-Token	Yes	String	**Definition** User token. You can obtain the token by calling the IAM API used to query the user token. The token is the value of X-Subject-Token in the response header. **Constraints** N/A **Range** Determined by the value of the IAM API used for querying user tokens. **Default Value** N/A

Table 3-750 Request body parameters

Parameter	Mandatory	Type	Description
ids	Yes	Array of strings	List of audit scope IDs.

Response Parameters

Status code: 200

Table 3-751 Response body parameters

Parameter	Type	Description
status	String	Alarm status. • SUCCESS: success • FAILED: failed

Status code: 400

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Table 3-752 Response body parameters

Parameter	Type	Description
details	Array of **DbssErrorDetail** objects	PDP5 authentication exception information
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes
error_msg	String	Error message.

Table 3-753 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

Status code: 401

Table 3-754 Response body parameters

Parameter	Type	Description
details	Array of **DbssErrorDetail** objects	PDP5 authentication exception information
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes
error_msg	String	Error message.

Table 3-755 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

Status code: 403

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Table 3-756 Response body parameters

Parameter	Type	Description
details	Array of **DbssErrorDetail** objects	PDP5 authentication exception information
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes
error_msg	String	Error message.

Table 3-757 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

Status code: 500

Table 3-758 Response body parameters

Parameter	Type	Description
details	Array of **DbssErrorDetail** objects	PDP5 authentication exception information
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes
error_msg	String	Error message.

Table 3-759 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

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Example Requests

```
/v1/{project_id}/audit/{instance_id}/rule/scopes/batch-delete

{
  "ids" : [ "rHh7xpgBhH_Ra4ML5cqX" ]
}
```

Example Responses

Status code: 200

OK

```
{
  "status" : "SUCCESS"
}
```

Status Codes

Status Code	Description
200	OK
400	Invalid request parameter.
401	Authorization failed.
403	Unauthorized
500	Server error.

Error Codes

See **Error Codes**.

3.9.5 Enabling/Disabling a policy

Function

Enabling/Disabling a policy

URI

POST /v2/{project_id}/audit/{instance_id}/rule/scopes/switch

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Table 3-760 Path Parameters

Parameter	Mandatory	Type	Description
project_id	Yes	String	**Definition**: Project ID You can obtain the value by calling the IAM API for querying the project list of a specified IAM user. ** Restrictions**: N/A **Range**: The value is subject to the return value of the IAM service interface. The value contains 32 to 64 characters. ** Default value**: N/A
instance_id	Yes	String	** Parameter description**: Instance ID. The value can be obtained from the ID field of the API for querying the instance list. ** Restrictions**: N/A ** Value range**: The value is subject to the value of the API for querying the instance list. The value contains 32 to 64 characters. ** Default value**: N/A

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Request Parameters

Table 3-761 Request header parameters

Parameter	Mandatory	Type	Description
X-Auth-Token	Yes	String	** Parameter description**: User token. You can obtain the token by calling the IAM API used to query the user token. The token is the value of X-Subject-Token in the response header. ** Restrictions**: N/A ** Value range**: Used by the IAM service to query the user token. ** Default value**: N/A

Table 3-762 Request body parameters

Parameter	Mandatory	Type	Description
ids	Yes	Array of strings	List of audit scope IDs.
status	Yes	String	Alarm status. • OFF: disabled • ON: enabled

Response Parameters

Status code: 200

Table 3-763 Response body parameters

Parameter	Type	Description
status	String	Alarm status. • SUCCESS: success • FAILED: failed

Status code: 400

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Table 3-764 Response body parameters

Parameter	Type	Description
details	Array of **DbssErrorDetail** objects	PDP5 authentication exception information
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes
error_msg	String	Error message.

Table 3-765 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

Status code: 401

Table 3-766 Response body parameters

Parameter	Type	Description
details	Array of **DbssErrorDetail** objects	PDP5 authentication exception information
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes
error_msg	String	Error message.

Table 3-767 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

Status code: 403

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Table 3-768 Response body parameters

Parameter	Type	Description
details	Array of **DbssErrorDetail** objects	PDP5 authentication exception information
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes
error_msg	String	Error message.

Table 3-769 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

Status code: 500

Table 3-770 Response body parameters

Parameter	Type	Description
details	Array of **DbssErrorDetail** objects	PDP5 authentication exception information
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes
error_msg	String	Error message.

Table 3-771 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

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Example Requests

```
/v2/{project_id}/audit/{instance_id}/rule/scopes/switch

{
  "ids" : [ "ne-pwZgBxmBODPrxTO7F" ],
  "status" : "OFF"
}
```

Example Responses

Status code: 200

OK

```
{
  "status" : "SUCCESS"
}
```

Status Codes

Status Code	Description
200	OK
400	Invalid request parameter.
401	Authorization failed.
403	Unauthorized
500	Server error.

Error Codes

See **Error Codes**.

3.9.6 Adding a Policy for an Audit Scope

Function

Add a policy for an audit scope.

URI

POST /v1/{project_id}/audit/{instance_id}/rule/scopes

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Table 3-772 Path Parameters

Parameter	Mandatory	Type	Description
project_id	Yes	String	**Definition** Project ID. You can obtain the value by calling the IAM API for [querying the project list of a specified IAM user]. **Constraints** N/A **Range** The value is determined by the value of the IAM API. The value contains 32 to 64 characters. **Default Value** N/A
instance_id	Yes	String	**Definition** Instance ID. The value can be obtained from the ID field of the API for querying the instance list. **Constraints** N/A **Range** The value is determined by the value of the API for querying the instance list. The value contains 32 to 64 characters. **Default Value** N/A

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Request Parameters

Table 3-773 Request header parameters

Parameter	Mandatory	Type	Description
X-Auth-Token	Yes	String	**Definition** User token. The token can be queried by calling the IAM API. (The token is the value of X-Subject-Token in the response header.) **Constraints** N/A **Range** Determined by the value of the IAM API used for querying user tokens. **Default Value** N/A

Table 3-774 Request body parameters

Parameter	Mandatory	Type	Description
action	No	String	Operation type. Use commas (,) to separate multiple operation types.
db_ids	Yes	String	Database ID. Use commas (,) to separate multiple IDs. To specify all values, set it to [ALL].
db_names	Yes	String	Database name. Use commas (,) to separate multiple database names. To specify all values, set it to [All databases].
db_users	No	String	Database account. Use commas (,) to separate multiple accounts.
exception_ips	No	String	Exception IP address. Use commas (,) to separate multiple IP addresses.
rule_name	Yes	String	Name

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Parameter	Mandatory	Type	Description
source_ips	No	String	Source IP address. Use commas (,) to separate multiple IP addresses.
source_ports	No	String	Source port. Use commas (,) to separate multiple ports.

Response Parameters

Status code: 200

Table 3-775 Response body parameters

Parameter	Type	Description
status	String	Alarm status. • SUCCESS: success • FAILED: failed

Status code: 400

Table 3-776 Response body parameters

Parameter	Type	Description
details	Array of DbssErrorDetail objects	PDP5 authentication exception information
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes
error_msg	String	Error message.

Table 3-777 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

Status code: 401

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Table 3-778 Response body parameters

Parameter	Type	Description
details	Array of **DbssErrorDetail** objects	PDP5 authentication exception information
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes
error_msg	String	Error message.

Table 3-779 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

Status code: 403

Table 3-780 Response body parameters

Parameter	Type	Description
details	Array of **DbssErrorDetail** objects	PDP5 authentication exception information
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes
error_msg	String	Error message.

Table 3-781 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

Status code: 500

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Table 3-782 Response body parameters

Parameter	Type	Description
details	Array of DbssErrorDetail objects	PDP5 authentication exception information
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes
error_msg	String	Error message.

Table 3-783 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

Example Requests

```
/v1/{project_id}/audit/{instance_id}/rule/scopes

{
  "db_ids" : "lQZpwJgB0g4pz3UTv74a",
  "db_names" : "MySQL",
  "rule_name" : "test"
}
```

Example Responses

Status code: 200

OK

```
{
  "status" : "SUCCESS"
}
```

Status Codes

Status Code	Description
200	OK
400	Invalid request parameter.
401	Authorization failed.
403	Unauthorized

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Status Code	Description
500	Server error.

Error Codes

See **Error Codes**.

3.10 Audit Rule - SQL Injection

3.10.1 Querying SQL Injection Rule Policies

Function

Querying SQL Injection Rule Policies

URI

POST /v1/{project_id}/audit/{instance_id}/rule/sqls

Table 3-784 Path Parameters

Parameter	Mandatory	Type	Description
project_id	Yes	String	**Definition**: Project ID. You can obtain the value by calling the IAM API for querying the project list of a specified IAM user. **Constraints** N/A **Range**: The value is subject to the return value of the IAM service interface. The value contains 32 to 64 characters. **Default Value**: N/A

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Parameter	Mandatory	Type	Description
instance_id	Yes	String	**Definition**: Instance ID. The value can be obtained from the ID field of the API for querying the instance list. **Constraints** N/A **Range**: The value is subject to the value of the API for querying the instance list. The value contains 32 to 64 characters. **Default Value**: N/A

Request Parameters

Table 3-785 Request header parameters

Parameter	Mandatory	Type	Description
X-Auth-Token	Yes	String	**Definition**: User token. You can obtain the token by calling the IAM API used to query the user token. The token is the value of X-Subject-Token in the response header. **Constraints** N/A **Range**: The value is subject to the user token query interface of the IAM service. **Default Value**: N/A

Table 3-786 Request body parameters

Parameter	Mandatory	Type	Description
page	No	Integer	Current page

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Parameter	Mandatory	Type	Description
size	No	Integer	Page size.
risk_levels	No	String	Risk level. • **HIGH** • **MEDIUM** • **LOW** • **NO_RISK**

Response Parameters

Status code: 200

Table 3-787 Response body parameters

Parameter	Type	Description
rules	Array of **rules** objects	SQL rule list
total	Integer	Total number.

Table 3-788 rules

Parameter	Type	Description
id	String	SQL rule ID
name	String	SQL rule name
status	String	Rule status. • **ON** • **OFF**
risk_level	String	Risk level. • **HIGH** • **MEDIUM** • **LOW**
type	String	Risk type
rank	Integer	Priority. A smaller value indicates a higher priority.
feature	String	SQL command feature
regex	String	Regular expression.

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Status code: 400

Table 3-789 Response body parameters

Parameter	Type	Description
details	Array of **DbssErrorDetail** objects	PDP5 authentication exception information
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes
error_msg	String	Error message.

Table 3-790 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

Status code: 403

Table 3-791 Response body parameters

Parameter	Type	Description
details	Array of **DbssErrorDetail** objects	PDP5 authentication exception information
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes
error_msg	String	Error message.

Table 3-792 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

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Status code: 500

Table 3-793 Response body parameters

Parameter	Type	Description
details	Array of DbssErrorDetail objects	PDP5 authentication exception information
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes
error_msg	String	Error message.

Table 3-794 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

Example Requests

```
/v1/{project_id}/audit/{instance_id}/rule/sqls

{
  "risk_levels" : "HIGH"
}
```

Example Responses

Status code: 200

Success

```
{
  "rules" : [ {
    "id" : "zX4W2ngBo47GiyUSBuNs",
    "name" : "MySQL error based SQL injection",
    "status" : "ON",
    "type" : "SYSTEM",
    "risk_level" : "HIGH",
    "rank" : 1,
    "feature" : "Regular expression",
    "regex" : "((.*)?(select)\\s+[0-9]+\\s+from\\s+\\(\\s*select\\s+count(.*)?(concat)\\s*(.*)?(from)\
\s*(information_schema.tables)(.*)?(group)\\s+(by)(.*)?)"
  } ],
  "total" : 1
}
```


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Status Codes

Status Code	Description
200	Success
400	Incorrect request parameter.
403	Authorization failed.
500	Internal server error.

Error Codes

See **Error Codes**.

3.10.2 Deleting a Customized SQL Rule

Function

This API is used to delete customized SQL rules.

URI

DELETE /v1/{project_id}/audit/{instance_id}/rule/sql/{id}

Table 3-795 Path Parameters

Parameter	Mandatory	Type	Description
project_id	Yes	String	**Definition**: Project ID You can obtain the value by calling the IAM API for querying the project list of a specified IAM user. **Constraints** N/A **Range**: The value is subject to the return value of the IAM service interface. The value contains 32 to 64 characters. **Default Value**: N/A

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Parameter	Mandatory	Type	Description
instance_id	Yes	String	**Definition**: Instance ID. The value can be obtained from the ID field of the API for querying the instance list. **Constraints** N/A **Range**: The value is subject to the value of the API for querying the instance list. The value contains 32 to 64 characters. **Default Value**: N/A
id	Yes	String	**Definition**: SQL rule ID. You can obtain the value from the ID field in the API for querying the SQL injection rule policy. **Constraints** N/A **Range**: The value is subject to the value of the API for querying the SQL injection rule policy. The value is a string of 16 to 64 characters. **Default Value**: N/A

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Request Parameters

Table 3-796 Request header parameters

Parameter	Mandatory	Type	Description
X-Auth-Token	Yes	String	**Definition**: User token. The token can be queried by calling the IAM API. (The token is the value of X-Subject-Token in the response header.) **Constraints** N/A **Range**: The value is subject to the user token query interface of the IAM service. **Default Value**: N/A

Response Parameters

Status code: 200

Table 3-797 Response body parameters

Parameter	Type	Description
status	String	Alarm status. • SUCCESS: success • FAILED: failed

Status code: 400

Table 3-798 Response body parameters

Parameter	Type	Description
details	Array of DbssErrorDetail objects	PDP5 authentication exception information
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes

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Parameter	Type	Description
error_msg	String	Error message.

Table 3-799 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

Status code: 401

Table 3-800 Response body parameters

Parameter	Type	Description
details	Array of **DbssErrorDetail** objects	PDP5 authentication exception information
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes
error_msg	String	Error message.

Table 3-801 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

Status code: 403

Table 3-802 Response body parameters

Parameter	Type	Description
details	Array of **DbssErrorDetail** objects	PDP5 authentication exception information

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Parameter	Type	Description
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes
error_msg	String	Error message.

Table 3-803 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

Status code: 500

Table 3-804 Response body parameters

Parameter	Type	Description
details	Array of DbssErrorDetail objects	PDP5 authentication exception information
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes
error_msg	String	Error message.

Table 3-805 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

Example Requests

```
/v1/{project_id}/audit/{instance_id}/rule/sql/{id}
```

Example Responses

Status code: 200

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OK

```
{
  "status" : "SUCCESS"
}
```

Status Codes

Status Code	Description
200	OK
400	Invalid request parameter.
401	Authorization failed.
403	Unauthorized
500	Server error.

Error Codes

See **Error Codes**.

3.10.3 Editing a Customized SQL Rule

Function

This API is used to edit customized SQL rules.

URI

POST /v1/{project_id}/audit/{instance_id}/rule/sql/{id}

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Table 3-806 Path Parameters

Parameter	Mandatory	Type	Description
project_id	Yes	String	**Definition**: Project ID. You can obtain the value by calling the IAM API for querying the project list of a specified IAM user. **Constraints** N/A **Range**: The value is subject to the return value of the IAM service interface. The value contains 32 to 64 characters. **Default Value**: N/A
instance_id	Yes	String	**Definition**: Instance ID. The value can be obtained from the ID field of the API for querying the instance list. **Constraints** N/A **Range**: The value is subject to the value of the API for querying the instance list. The value contains 32 to 64 characters. **Default Value**: N/A

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Parameter	Mandatory	Type	Description
id	Yes	String	**Definition**: SQL rule ID. You can obtain the value from the ID field in the API for querying the SQL injection rule policy. **Constraints** N/A **Range**: The value is subject to the value of the API for querying the SQL injection rule policy. The value is a string of 16 to 64 characters. **Default Value**: N/A

Request Parameters

Table 3-807 Request header parameters

Parameter	Mandatory	Type	Description
X-Auth-Token	Yes	String	**Definition**: User token. You can obtain the token by calling the IAM API used to query the user token. The token is the value of X-Subject-Token in the response header. **Constraints** N/A **Range**: The value is subject to the user token query interface of the IAM service. **Default Value**: N/A

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Table 3-808 Request body parameters

Parameter	Mandatory	Type	Description
risk_level	Yes	String	Risk severity. • **LOW**: low • **MEDIUM**: medium • **HIGH**: high • **NO_RISK**: none
rule_name	Yes	String	Rule name.
sql_regex	Yes	String	Regular expression.
status	Yes	String	Status. • **ON**: enabled • **OFF**: disabled

Response Parameters

Status code: 200

Table 3-809 Response body parameters

Parameter	Type	Description
status	String	Alarm status. • SUCCESS: success • FAILED: failed

Status code: 400

Table 3-810 Response body parameters

Parameter	Type	Description
details	Array of **DbssErrorDetail** objects	PDP5 authentication exception information
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes
error_msg	String	Error message.

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Table 3-811 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

Status code: 401

Table 3-812 Response body parameters

Parameter	Type	Description
details	Array of **DbssErrorDetail** objects	PDP5 authentication exception information
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes
error_msg	String	Error message.

Table 3-813 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

Status code: 403

Table 3-814 Response body parameters

Parameter	Type	Description
details	Array of **DbssErrorDetail** objects	PDP5 authentication exception information
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes
error_msg	String	Error message.

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Table 3-815 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

Status code: 500

Table 3-816 Response body parameters

Parameter	Type	Description
details	Array of DbssErrorDetail objects	PDP5 authentication exception information
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes
error_msg	String	Error message.

Table 3-817 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

Example Requests

```
/v1/{project_id}/audit/{instance_id}/rule/sql/{id}

{
  "risk_level" : "LOW",
  "rule_name" : "ynf1",
  "sql_regex" : "aa",
  "status" : "ON"
}
```

Example Responses

Status code: 200

OK

```
{
  "status" : "SUCCESS"
}
```


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Status Codes

Status Code	Description
200	OK
400	Invalid request parameter.
401	Authorization failed.
403	Unauthorized
500	Server error.

Error Codes

See **Error Codes**.

3.10.4 SQL rule priority

Function

SQL rule priority

URI

POST /v2/{project_id}/audit/{instance_id}/rule/sql/rank

Table 3-818 Path Parameters

Parameter	Mandatory	Type	Description
project_id	Yes	String	** Parameter description**: Specifies the project ID. You can obtain the value by calling the IAM API for querying the project list of a specified IAM user. ** Restrictions**: N/A ** Value range**: The value is subject to the return value of the IAM service interface. The value contains 32 to 64 characters. ** Default value**: N/A

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Parameter	Mandatory	Type	Description
instance_id	Yes	String	**Definition**: Instance ID. The value can be obtained from the ID field of the API for querying the instance list. ** Restrictions**: N/A **Range**: The value is subject to the value of the API for querying the instance list. The value contains 32 to 64 characters. ** Default value**: N/A

Request Parameters

Table 3-819 Request header parameters

Parameter	Mandatory	Type	Description
X-Auth-Token	Yes	String	** Parameter description**: User token. You can obtain the token by calling the IAM API used to query the user token. The token is the value of X-Subject-Token in the response header. ** Restrictions**: N/A ** Value range**: Used by the IAM service to query the user token. ** Default value**: N/A

Table 3-820 Request body parameters

Parameter	Mandatory	Type	Description
ids	Yes	Array of strings	Rule ID list.

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Response Parameters

Status code: 200

Table 3-821 Response body parameters

Parameter	Type	Description
status	String	Alarm status. • SUCCESS: success • FAILED: failed

Status code: 400

Table 3-822 Response body parameters

Parameter	Type	Description
details	Array of **DbssErrorDetail** objects	PDP5 authentication exception information
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes
error_msg	String	Error message.

Table 3-823 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

Status code: 401

Table 3-824 Response body parameters

Parameter	Type	Description
details	Array of **DbssErrorDetail** objects	PDP5 authentication exception information

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Parameter	Type	Description
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes
error_msg	String	Error message.

Table 3-825 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

Status code: 403

Table 3-826 Response body parameters

Parameter	Type	Description
details	Array of **DbssErrorDetail** objects	PDP5 authentication exception information
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes
error_msg	String	Error message.

Table 3-827 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

Status code: 500

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Table 3-828 Response body parameters

Parameter	Type	Description
details	Array of DbssErrorDetail objects	PDP5 authentication exception information
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes
error_msg	String	Error message.

Table 3-829 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

Example Requests

```
/v2/{project_id}/audit/{instance_id}/rule/sql/rank

{
  "ids" : [ "63iOxpgBhH_Ra4MLzcr4" ]
}
```

Example Responses

Status code: 200

OK

```
{
  "status" : "SUCCESS"
}
```

Status Codes

Status Code	Description
200	OK
400	Invalid request parameter.
401	Authorization failed.
403	Unauthorized
500	Server error.

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Error Codes

See **Error Codes**.

3.10.5 Adding a Customized SQL Rule

Function

Add a customized SQL rule.

URI

POST /v1/{project_id}/audit/{instance_id}/rule/sql

Table 3-830 Path Parameters

Parameter	Mandatory	Type	Description
project_id	Yes	String	**Definition** Project ID. You can obtain the value by calling the IAM API for [querying the project list of a specified IAM user]. **Constraints** N/A **Range** The value is determined by the value of the IAM API. The value contains 32 to 64 characters. **Default Value** N/A
instance_id	Yes	String	**Definition** Instance ID. The value can be obtained from the ID field of the API for querying the instance list. **Constraints** N/A **Range** The value is determined by the value of the API for querying the instance list. The value contains 32 to 64 characters. **Default Value** N/A

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Request Parameters

Table 3-831 Request header parameters

Parameter	Mandatory	Type	Description
X-Auth-Token	Yes	String	**Definition** User token. The token can be queried by calling the IAM API. (The token is the value of X-Subject-Token in the response header.) **Constraints** N/A **Range** Determined by the value of the IAM API used for querying user tokens. **Default Value** N/A

Table 3-832 Request body parameters

Parameter	Mandatory	Type	Description
risk_level	Yes	String	Risk severity. • **LOW**: low • **MEDIUM**: medium • **HIGH**: high • **NO_RISK**: none
rule_name	Yes	String	Rule name.
sql_regex	Yes	String	Regular expression.
status	Yes	String	Status. • **ON**: enabled • **OFF**: disabled

Response Parameters

Status code: 200

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Table 3-833 Response body parameters

Parameter	Type	Description
status	String	Alarm status. • SUCCESS: success • FAILED: failed

Status code: 400

Table 3-834 Response body parameters

Parameter	Type	Description
details	Array of **DbssErrorDetail** objects	PDP5 authentication exception information
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes
error_msg	String	Error message.

Table 3-835 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

Status code: 401

Table 3-836 Response body parameters

Parameter	Type	Description
details	Array of **DbssErrorDetail** objects	PDP5 authentication exception information
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes
error_msg	String	Error message.

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Table 3-837 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

Status code: 403

Table 3-838 Response body parameters

Parameter	Type	Description
details	Array of DbssErrorDetail objects	PDP5 authentication exception information
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes
error_msg	String	Error message.

Table 3-839 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

Status code: 500

Table 3-840 Response body parameters

Parameter	Type	Description
details	Array of DbssErrorDetail objects	PDP5 authentication exception information
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes
error_msg	String	Error message.

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Table 3-841 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

Example Requests

```
/v1/{project_id}/audit/{instance_id}/rule/sql

{
  "risk_level" : "LOW",
  "rule_name" : "ynf",
  "sql_regex" : "a",
  "status" : "ON"
}
```

Example Responses

Status code: 200

OK

```
{
  "status" : "SUCCESS"
}
```

Status Codes

Status Code	Description
200	OK
400	Invalid request parameter.
401	Authorization failed.
403	Unauthorized
500	Server error.

Error Codes

See **Error Codes**.

3.10.6 Enabling or Disabling the SQL Injection Policy

Function

Enabling or Disabling the SQL Injection Policy

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URI

POST /v2/{project_id}/audit/{instance_id}/rule/sql/switch

Table 3-842 Path Parameters

Parameter	Mandatory	Type	Description
project_id	Yes	String	**Definition**: Project ID You can obtain the value by calling the IAM API for querying the project list of a specified IAM user. ** Restrictions**: N/A **Range**: The value is subject to the return value of the IAM service interface. The value contains 32 to 64 characters. ** Default value**: N/A
instance_id	Yes	String	**Definition**: Instance ID. The value can be obtained from the ID field of the API for querying the instance list. ** Restrictions**: N/A **Range**: The value is subject to the value of the API for querying the instance list. The value contains 32 to 64 characters. ** Default value**: N/A

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Request Parameters

Table 3-843 Request header parameters

Parameter	Mandatory	Type	Description
X-Auth-Token	Yes	String	** Parameter description**: User token. You can obtain the token by calling the IAM API used to query the user token. The token is the value of X-Subject-Token in the response header. ** Restrictions**: N/A ** Value range**: Used by the IAM service to query the user token. ** Default value**: N/A

Table 3-844 Request body parameters

Parameter	Mandatory	Type	Description
id	Yes	String	SQL rule ID
status	Yes	String	Status • **OFF**: disabled • **ON**: enabled

Response Parameters

Status code: 200

Table 3-845 Response body parameters

Parameter	Type	Description
status	String	Alarm status. • SUCCESS: success • FAILED: failed

Status code: 400

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Table 3-846 Response body parameters

Parameter	Type	Description
details	Array of **DbssErrorDetail** objects	PDP5 authentication exception information
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes
error_msg	String	Error message.

Table 3-847 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

Status code: 401

Table 3-848 Response body parameters

Parameter	Type	Description
details	Array of **DbssErrorDetail** objects	PDP5 authentication exception information
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes
error_msg	String	Error message.

Table 3-849 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

Status code: 403

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Table 3-850 Response body parameters

Parameter	Type	Description
details	Array of **DbssErrorDetail** objects	PDP5 authentication exception information
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes
error_msg	String	Error message.

Table 3-851 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

Status code: 500

Table 3-852 Response body parameters

Parameter	Type	Description
details	Array of **DbssErrorDetail** objects	PDP5 authentication exception information
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes
error_msg	String	Error message.

Table 3-853 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

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Example Requests

```
/v2/{project_id}/audit/{instance_id}/rule/sql/switch

{
  "id" : "63iOxpgBhH_Ra4MLzcr4",
  "status" : "OFF"
}
```

Example Responses

Status code: 200

OK

```
{
  "status" : "SUCCESS"
}
```

Status Codes

Status Code	Description
200	OK
400	Invalid request parameter.
401	Authorization failed.
403	Unauthorized
500	Server error.

Error Codes

See **Error Codes**.

3.11 Audit Rules - Privacy Data Protection

3.11.1 Querying a Privacy Data Masking Rule

Function

This API is used to query a privacy data masking rule.

URI

GET /v1/{project_id}/audit/{instance_id}/sensitive/mask/rule

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Table 3-854 Path Parameters

Parameter	Mandatory	Type	Description
project_id	Yes	String	**Definition**: Project ID. You can obtain the value by calling the IAM API for querying the project list of a specified IAM user. **Constraints** N/A **Range**: The value is subject to the return value of the IAM service interface. The value contains 32 to 64 characters. **Default Value**: N/A
instance_id	Yes	String	**Definition**: Instance ID. The value can be obtained from the ID field of the API for querying the instance list. **Constraints** N/A **Range**: The value is subject to the value of the API for querying the instance list. The value contains 32 to 64 characters. **Default Value**: N/A

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Table 3-855 Query Parameters

Parameter	Mandatory	Type	Description
offset	No	String	**Definition**: Pagination offset. The query starts after the offset of the first data record. **Constraints** Only integers greater than or equal to 0 are supported. **Range**: Greater than or equal to 0 **Default Value**: The default value is 0.
limit	No	String	**Definition**: Number of records queried on each page. **Constraints** Only integers greater than 0 are supported. **Range**: An integer greater than 0 and less than or equal to 10000 **Default Value**: The default value is 100.

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Request Parameters

Table 3-856 Request header parameters

Parameter	Mandatory	Type	Description
X-Auth-Token	Yes	String	**Definition**: User token. You can obtain the token by calling the IAM API used to query the user token. The token is the value of X-Subject-Token in the response header. **Constraints** N/A **Range**: The value is subject to the user token query interface of the IAM service. **Default Value**: N/A

Response Parameters

Status code: 200

Table 3-857 Response body parameters

Parameter	Type	Description
rules	Array of **rules** objects	Rule list.
total	Integer	Total number.

Table 3-858 rules

Parameter	Type	Description
id	String	Rule ID.
name	String	Rule name.
type	String	Rule type.
regex	String	Rule regular expression.
mask_value	String	Substitution value.

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Parameter	Type	Description
status	String	Rule status.
operate_time	String	Operation time.

Status code: 400

Table 3-859 Response body parameters

Parameter	Type	Description
details	Array of **DbssErrorDetail** objects	PDP5 authentication exception information
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes
error_msg	String	Error message.

Table 3-860 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

Status code: 403

Table 3-861 Response body parameters

Parameter	Type	Description
details	Array of **DbssErrorDetail** objects	PDP5 authentication exception information
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes
error_msg	String	Error message.

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Table 3-862 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

Status code: 500

Table 3-863 Response body parameters

Parameter	Type	Description
details	Array of DbssErrorDetail objects	PDP5 authentication exception information
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes
error_msg	String	Error message.

Table 3-864 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

Example Requests

/v1/{project_id}/audit/{instance_id}/sensitive/mask/rule

Example Responses

Status code: 200

Success


```
{
  "rules" : [ {
    "id" : "n34W2ngBo47GiyUSKOVl",
    "name" : "Passport NO.",
    "type" : "BUILD_IN",
    "regex" : "-",
    "mask_value" : "###",
    "status" : "ON",
    "operate_time" : "2030-01-01 00:00:06"
  }, {
    "id" : "nn4W2ngBo47GiyUSKOVP",
```


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```
  "name" : "Military officer card NO.",
  "type" : "BUILD_IN",
  "regex" : "-",
  "mask_value" : "###",
  "status" : "ON",
  "operate_time" : "2030-01-01 00:00:05"
 }, {
  "id" : "nX4W2ngBo47GiyUSKOU9",
  "name" : "Ethnicity",
  "type" : "BUILD_IN",
  "regex" : "-",
  "mask_value" : "###",
  "status" : "ON",
  "operate_time" : "2030-01-01 00:00:04"
 }, {
  "id" : "mn4W2ngBo47GiyUSKOUO",
  "name" : "GPS Information",
  "type" : "BUILD_IN",
  "regex" : "-",
  "mask_value" : "###",
  "status" : "ON",
  "operate_time" : "2030-01-01 00:00:01"
 } ],
 "total" : 6
}
```


Status Codes

Status Code	Description
200	Success
400	Incorrect request parameter.
403	Authorization failed.
500	Internal server error.

Error Codes

See **Error Codes**.

3.11.2 Obtaining Privacy Data Result Set Switch

Function

Switch for obtaining the privacy data result set

URI

GET /v1/{project_id}/audit/{instance_id}/sensitive/result/switch

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Table 3-865 Path Parameters

Parameter	Mandatory	Type	Description
project_id	Yes	String	**Definition**: Project ID. You can obtain the value by calling the IAM API for querying the project list of a specified IAM user. ** Restrictions**: N/A **Range**: The value is subject to the return value of the IAM service interface. The value contains 32 to 64 characters. **Default Value**: N/A
instance_id	Yes	String	**Definition**: Instance ID. The value can be obtained from the ID field of the API for querying the instance list. **Constraints** N/A **Range**: The value is subject to the value of the API for querying the instance list. The value contains 32 to 64 characters. **Default Value**: N/A

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Request Parameters

Table 3-866 Request header parameters

Parameter	Mandatory	Type	Description
X-Auth-Token	Yes	String	**Definition**: User token. You can obtain the token by calling the IAM API used to query the user token. The token is the value of X-Subject-Token in the response header. **Constraints** N/A **Range**: The value is subject to the user token query interface of the IAM service. **Default Value**: N/A

Response Parameters

Status code: 200

Table 3-867 Response body parameters

Parameter	Type	Description
status	String	Status • **ON**: enabled • **OFF**: disabled

Status code: 400

Table 3-868 Response body parameters

Parameter	Type	Description
details	Array of **DbssErrorDetail** objects	PDP5 authentication exception information
encoded_authorization_message	String	PDP5 authentication exception information

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Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	Error message.

Table 3-869 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

Status code: 401

Table 3-870 Response body parameters

Parameter	Type	Description
details	Array of **DbssErrorDetail** objects	PDP5 authentication exception information
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes
error_msg	String	Error message.

Table 3-871 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

Status code: 403

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Table 3-872 Response body parameters

Parameter	Type	Description
details	Array of **DbssErrorDetail** objects	PDP5 authentication exception information
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes
error_msg	String	Error message.

Table 3-873 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

Status code: 500

Table 3-874 Response body parameters

Parameter	Type	Description
details	Array of **DbssErrorDetail** objects	PDP5 authentication exception information
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes
error_msg	String	Error message.

Table 3-875 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

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Example Requests

/v1/{project_id}/audit/{instance_id}/sensitive/result/switch

Example Responses

Status code: 200

OK

```
{
  "status" : "OFF"
}
```

Status Codes

Status Code	Description
200	OK
400	Invalid request parameter.
401	Authorization failed.
403	Unauthorized
500	Server error.

Error Codes

See **Error Codes**.

3.11.3 Enabling or Disabling Result Set Storage

Function

This API is used to enable or disable result set storage.

URI

POST /v1/{project_id}/audit/{instance_id}/sensitive/result/switch

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Table 3-876 Path Parameters

Parameter	Mandatory	Type	Description
project_id	Yes	String	**Definition**: Project ID. You can obtain the value by calling the IAM API for querying the project list of a specified IAM user. **Constraints** N/A **Range**: The value is subject to the return value of the IAM service interface. The value contains 32 to 64 characters. **Default Value**: N/A
instance_id	Yes	String	**Definition**: Instance ID. The value can be obtained from the ID field of the API for querying the instance list. **Constraints** N/A **Range**: The value is subject to the value of the API for querying the instance list. The value contains 32 to 64 characters. **Default Value**: N/A

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Request Parameters

Table 3-877 Request header parameters

Parameter	Mandatory	Type	Description
X-Auth-Token	Yes	String	**Definition**: User token. You can obtain the token by calling the IAM API used to query the user token. The token is the value of X-Subject-Token in the response header. **Constraints** N/A **Range**: The value is subject to the user token query interface of the IAM service. **Default Value**: N/A

Table 3-878 Request body parameters

Parameter	Mandatory	Type	Description
status	Yes	String	Status • **ON**: enabled • **OFF**: disabled

Response Parameters

Status code: 200

Table 3-879 Response body parameters

Parameter	Type	Description
status	String	Alarm status. • SUCCESS: success • FAILED: failed

Status code: 400

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Table 3-880 Response body parameters

Parameter	Type	Description
details	Array of **DbssErrorDetail** objects	PDP5 authentication exception information
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes
error_msg	String	Error message.

Table 3-881 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

Status code: 401

Table 3-882 Response body parameters

Parameter	Type	Description
details	Array of **DbssErrorDetail** objects	PDP5 authentication exception information
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes
error_msg	String	Error message.

Table 3-883 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

Status code: 403

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Table 3-884 Response body parameters

Parameter	Type	Description
details	Array of **DbssErrorDetail** objects	PDP5 authentication exception information
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes
error_msg	String	Error message.

Table 3-885 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

Status code: 500

Table 3-886 Response body parameters

Parameter	Type	Description
details	Array of **DbssErrorDetail** objects	PDP5 authentication exception information
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes
error_msg	String	Error message.

Table 3-887 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

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Example Requests

```
/v1/{project_id}/audit/{instance_id}/sensitive/result/switch

{
  "status" : "OFF"
}
```

Example Responses

Status code: 200

OK

```
{
  "status" : "SUCCESS"
}
```

Status Codes

Status Code	Description
200	OK
400	Invalid request parameter.
401	Authorization failed.
403	Unauthorized
500	Server error.

Error Codes

See **Error Codes**.

3.11.4 Obtaining the Privacy Data Anonymization Switch

Function

This API is used to obtain whether the privacy data masking function is enabled.

URI

GET /v1/{project_id}/audit/{instance_id}/sensitive/mask/switch

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Table 3-888 Path Parameters

Parameter	Mandatory	Type	Description
project_id	Yes	String	**Definition**: Specifies the project ID. You can obtain the value by calling the IAM API for querying the project list of a specified IAM user. **Constraints** N/A **Range**: The value is subject to the return value of the IAM service interface. The value contains 32 to 64 characters. **Default Value**: N/A
instance_id	Yes	String	**Definition**: Instance ID. The value can be obtained from the ID field of the API for querying the instance list. **Constraints** N/A **Range**: The value is subject to the value of the API for querying the instance list. The value contains 32 to 64 characters. **Default Value**: N/A

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Request Parameters

Table 3-889 Request header parameters

Parameter	Mandatory	Type	Description
X-Auth-Token	Yes	String	**Definition**: User token. The token can be queried by calling the IAM API. (The token is the value of X-Subject-Token in the response header.) **Constraints** N/A **Range**: The value is subject to the user token query interface of the IAM service. **Default Value**: N/A

Response Parameters

Status code: 200

Table 3-890 Response body parameters

Parameter	Type	Description
status	String	Status • **ON**: enabled • **OFF**: disabled

Status code: 400

Table 3-891 Response body parameters

Parameter	Type	Description
details	Array of **DbssErrorDetail** objects	PDP5 authentication exception information
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes

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Parameter	Type	Description
error_msg	String	Error message.

Table 3-892 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

Status code: 401

Table 3-893 Response body parameters

Parameter	Type	Description
details	Array of **DbssErrorDetail** objects	PDP5 authentication exception information
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes
error_msg	String	Error message.

Table 3-894 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

Status code: 403

Table 3-895 Response body parameters

Parameter	Type	Description
details	Array of **DbssErrorDetail** objects	PDP5 authentication exception information

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Parameter	Type	Description
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes
error_msg	String	Error message.

Table 3-896 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

Status code: 500

Table 3-897 Response body parameters

Parameter	Type	Description
details	Array of DbssErrorDetail objects	PDP5 authentication exception information
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes
error_msg	String	Error message.

Table 3-898 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

Example Requests

/v1/{project_id}/audit/{instance_id}/sensitive/mask/switch

Example Responses

Status code: 200

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OK

```
{
  "status" : "OFF"
}
```

Status Codes

Status Code	Description
200	OK
400	Invalid request parameter.
401	Authorization failed.
403	Unauthorized
500	Server error.

Error Codes

See **Error Codes**.

3.11.5 Enabling or Disabling the Privacy Data Masking Function

Function

This API is used to enable or disable the privacy data masking function.

URI

POST /v1/{project_id}/audit/{instance_id}/sensitive/mask/switch

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Table 3-899 Path Parameters

Parameter	Mandatory	Type	Description
project_id	Yes	String	**Definition**: Project ID. You can obtain the value by calling the IAM API for querying the project list of a specified IAM user. **Constraints** N/A **Range**: The value is subject to the return value of the IAM service interface. The value contains 32 to 64 characters. **Default Value**: N/A
instance_id	Yes	String	**Definition**: Instance ID. The value can be obtained from the ID field of the API for querying the instance list. **Constraints** N/A **Range**: The value is subject to the value of the API for querying the instance list. The value contains 32 to 64 characters. **Default Value**: N/A

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Request Parameters

Table 3-900 Request header parameters

Parameter	Mandatory	Type	Description
X-Auth-Token	Yes	String	**Definition**: User token. You can obtain the token by calling the IAM API used to query the user token. The token is the value of X-Subject-Token in the response header. **Constraints** N/A **Range**: The value is subject to the user token query interface of the IAM service. **Default Value**: N/A

Table 3-901 Request body parameters

Parameter	Mandatory	Type	Description
status	Yes	String	Status • **ON**: enabled • **OFF**: disabled

Response Parameters

Status code: 200

Table 3-902 Response body parameters

Parameter	Type	Description
status	String	Alarm status. • SUCCESS: success • FAILED: failed

Status code: 400

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Table 3-903 Response body parameters

Parameter	Type	Description
details	Array of **DbssErrorDetail** objects	PDP5 authentication exception information
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes
error_msg	String	Error message.

Table 3-904 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

Status code: 401

Table 3-905 Response body parameters

Parameter	Type	Description
details	Array of **DbssErrorDetail** objects	PDP5 authentication exception information
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes
error_msg	String	Error message.

Table 3-906 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

Status code: 403

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Table 3-907 Response body parameters

Parameter	Type	Description
details	Array of **DbssErrorDetail** objects	PDP5 authentication exception information
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes
error_msg	String	Error message.

Table 3-908 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

Status code: 500

Table 3-909 Response body parameters

Parameter	Type	Description
details	Array of **DbssErrorDetail** objects	PDP5 authentication exception information
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes
error_msg	String	Error message.

Table 3-910 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

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Example Requests

```
/v1/{project_id}/audit/{instance_id}/sensitive/mask/switch

{
  "status" : "OFF"
}
```

Example Responses

Status code: 200

OK

```
{
  "status" : "SUCCESS"
}
```

Status Codes

Status Code	Description
200	OK
400	Invalid request parameter.
401	Authorization failed.
403	Unauthorized
500	Server error.

Error Codes

See **Error Codes**.

3.11.6 Enabling or Disabling a Single Privacy Data Masking Rule

Function

Enabling or Disabling a Privacy Data Masking Rule

URI

POST /v2/{project_id}/audit/{instance_id}/sensitive/mask/rule/switch

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Table 3-911 Path Parameters

Parameter	Mandatory	Type	Description
project_id	Yes	String	**Definition**: Project ID You can obtain the value by calling the IAM API for querying the project list of a specified IAM user. ** Restrictions**: N/A **Range**: The value is subject to the return value of the IAM service interface. The value contains 32 to 64 characters. ** Default value**: N/A
instance_id	Yes	String	** Parameter description**: Instance ID. The value can be obtained from the ID field of the API for querying the instance list. ** Restrictions**: N/A ** Value range**: The value is subject to the value of the API for querying the instance list. The value contains 32 to 64 characters. ** Default value**: N/A

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Request Parameters

Table 3-912 Request header parameters

Parameter	Mandatory	Type	Description
X-Auth-Token	Yes	String	** Parameter description**: User token. You can obtain the token by calling the IAM API used to query the user token. The token is the value of X-Subject-Token in the response header. ** Restrictions**: N/A ** Value range**: Used by the IAM service to query the user token. ** Default value**: N/A

Table 3-913 Request body parameters

Parameter	Mandatory	Type	Description
ids	Yes	Array of strings	Rule ID list.
status	Yes	String	Specifies the switch status. • OFF: disabled • ON: enabled

Response Parameters

Status code: 200

Table 3-914 Response body parameters

Parameter	Type	Description
status	String	Alarm status. • SUCCESS: success • FAILED: failed

Status code: 400

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Table 3-915 Response body parameters

Parameter	Type	Description
details	Array of **DbssErrorDetail** objects	PDP5 authentication exception information
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes
error_msg	String	Error message.

Table 3-916 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

Status code: 401

Table 3-917 Response body parameters

Parameter	Type	Description
details	Array of **DbssErrorDetail** objects	PDP5 authentication exception information
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes
error_msg	String	Error message.

Table 3-918 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

Status code: 403

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Table 3-919 Response body parameters

Parameter	Type	Description
details	Array of **DbssErrorDetail** objects	PDP5 authentication exception information
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes
error_msg	String	Error message.

Table 3-920 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

Status code: 500

Table 3-921 Response body parameters

Parameter	Type	Description
details	Array of **DbssErrorDetail** objects	PDP5 authentication exception information
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes
error_msg	String	Error message.

Table 3-922 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

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Example Requests

```
/v2/{project_id}/audit/{instance_id}/sensitive/mask/rule/switch

{
  "ids" : [ "HXiexpgBhH_Ra4MLD8uc" ],
  "status" : "OFF"
}
```

Example Responses

Status code: 200

OK

```
{
  "status" : "SUCCESS"
}
```

Status Codes

Status Code	Description
200	OK
400	Invalid request parameter.
401	Authorization failed.
403	Unauthorized
500	Server error.

Error Codes

See **Error Codes**.

3.11.7 Deleting a Privacy Data Masking Rule

Function

This API is used to delete a privacy data masking rule.

URI

DELETE /v1/{project_id}/audit/{instance_id}/sensitive/mask/rule/{id}

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Table 3-923 Path Parameters

Parameter	Mandatory	Type	Description
project_id	Yes	String	**Definition**: Specifies the project ID. You can obtain the value by calling the IAM API for querying the project list of a specified IAM user. **Constraints** N/A **Range**: The value is subject to the return value of the IAM service interface. The value contains 32 to 64 characters. **Default Value**: N/A
instance_id	Yes	String	**Definition**: Instance ID. The value can be obtained from the ID field of the API for querying the instance list. **Constraints** N/A **Range**: The value is subject to the value of the API for querying the instance list. The value contains 32 to 64 characters. **Default Value**: N/A

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Parameter	Mandatory	Type	Description
id	Yes	String	**Definition**: Privacy rule ID. The value can be obtained by querying the ID field in the privacy data anonymization rule list. **Constraints** N/A **Range**: The value is subject to the value of the privacy data masking rule list. The value is a string of 16 to 64 characters. **Default Value**: N/A

Request Parameters

Table 3-924 Request header parameters

Parameter	Mandatory	Type	Description
X-Auth-Token	Yes	String	**Definition**: User token. You can obtain the token by calling the IAM API used to query the user token. The token is the value of X-Subject-Token in the response header. **Constraints** N/A **Range**: The value is subject to the user token query interface of the IAM service. **Default Value**: N/A

Response Parameters

Status code: 200

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Table 3-925 Response body parameters

Parameter	Type	Description
status	String	Alarm status. • SUCCESS: success • FAILED: failed

Status code: 400

Table 3-926 Response body parameters

Parameter	Type	Description
details	Array of **DbssErrorDetail** objects	PDP5 authentication exception information
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes
error_msg	String	Error message.

Table 3-927 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

Status code: 401

Table 3-928 Response body parameters

Parameter	Type	Description
details	Array of **DbssErrorDetail** objects	PDP5 authentication exception information
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes
error_msg	String	Error message.

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Table 3-929 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

Status code: 403

Table 3-930 Response body parameters

Parameter	Type	Description
details	Array of **DbssErrorDetail** objects	PDP5 authentication exception information
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes
error_msg	String	Error message.

Table 3-931 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

Status code: 500

Table 3-932 Response body parameters

Parameter	Type	Description
details	Array of **DbssErrorDetail** objects	PDP5 authentication exception information
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes
error_msg	String	Error message.

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Table 3-933 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

Example Requests

```
/v1/{project_id}/audit/{instance_id}/sensitive/mask/rule/{id}
```

Example Responses

Status code: 200

OK

```
{
  "status" : "SUCCESS"
}
```

Status Codes

Status Code	Description
200	OK
400	Invalid request parameter.
401	Authorization failed.
403	Unauthorized
500	Server error.

Error Codes

See **Error Codes**.

3.11.8 Modifying and Editing a Privacy Data Masking Rule

Function

This API is used to modify a privacy data masking rule.

URI

POST /v1/{project_id}/audit/{instance_id}/sensitive/mask/rule/{id}

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Table 3-934 Path Parameters

Parameter	Mandatory	Type	Description
project_id	Yes	String	**Definition**: Project ID. You can obtain the value by calling the IAM API for querying the project list of a specified IAM user. **Constraints** N/A **Range**: The value is subject to the return value of the IAM service interface. The value contains 32 to 64 characters. **Default Value**: N/A
instance_id	Yes	String	**Definition**: Instance ID. The value can be obtained from the ID field of the API for querying the instance list. **Constraints** N/A **Range**: The value is subject to the value of the API for querying the instance list. The value contains 32 to 64 characters. **Default Value**: N/A

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Parameter	Mandatory	Type	Description
id	Yes	String	**Definition**: Privacy rule ID. The value can be obtained by querying the ID field in the privacy data anonymization rule list. **Constraints** N/A **Range**: The value is subject to the value of the privacy data masking rule list. The value is a string of 16 to 64 characters. **Default Value**: N/A

Request Parameters

Table 3-935 Request header parameters

Parameter	Mandatory	Type	Description
X-Auth-Token	Yes	String	**Definition**: User token. You can obtain the token by calling the IAM API used to query the user token. The token is the value of X-Subject-Token in the response header. **Constraints** N/A **Range**: The value is subject to the user token query interface of the IAM service. **Default Value**: N/A

Table 3-936 Request body parameters

Parameter	Mandatory	Type	Description
mask_regex	Yes	String	Match Regular Expression

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Parameter	Mandatory	Type	Description
mask_value	Yes	String	Masked Value
rule_name	Yes	String	Privacy Data Protection Rule Name

Response Parameters

Status code: 200

Table 3-937 Response body parameters

Parameter	Type	Description
status	String	Alarm status. • SUCCESS: success • FAILED: failed

Status code: 400

Table 3-938 Response body parameters

Parameter	Type	Description
details	Array of **DbssErrorDetail** objects	PDP5 authentication exception information
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes
error_msg	String	Error message.

Table 3-939 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

Status code: 401

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Table 3-940 Response body parameters

Parameter	Type	Description
details	Array of **DbssErrorDetail** objects	PDP5 authentication exception information
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes
error_msg	String	Error message.

Table 3-941 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

Status code: 403

Table 3-942 Response body parameters

Parameter	Type	Description
details	Array of **DbssErrorDetail** objects	PDP5 authentication exception information
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes
error_msg	String	Error message.

Table 3-943 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

Status code: 500

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Table 3-944 Response body parameters

Parameter	Type	Description
details	Array of DbssErrorDetail objects	PDP5 authentication exception information
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes
error_msg	String	Error message.

Table 3-945 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

Example Requests

```
/v1/{project_id}/audit/{instance_id}/sensitive/mask/rule/{id}

{
  "mask_regex" : "test",
  "mask_value" : "test",
  "rule_name" : "test"
}
```

Example Responses

Status code: 200

OK

```
{
  "status" : "SUCCESS"
}
```

Status Codes

Status Code	Description
200	OK
400	Invalid request parameter.
401	Authorization failed.
403	Unauthorized

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Status Code	Description
500	Server error.

Error Codes

See **Error Codes**.

3.11.9 Adding a Privacy Data Anonymization Rule

Function

This API is used to add privacy data masking rules.

URI

POST /v1/{project_id}/audit/{instance_id}/sensitive/mask/rule

Table 3-946 Path Parameters

Parameter	Mandatory	Type	Description
project_id	Yes	String	**Definition**: Project ID. You can obtain the value by calling the IAM API for querying the project list of a specified IAM user. **Constraints** N/A **Range**: The value is subject to the return value of the IAM service interface. The value contains 32 to 64 characters. **Default Value**: N/A

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Parameter	Mandatory	Type	Description
instance_id	Yes	String	**Definition**: Instance ID. The value can be obtained from the ID field of the API for querying the instance list. **Constraints** N/A **Range**: The value is subject to the value of the API for querying the instance list. The value contains 32 to 64 characters. **Default Value**: N/A

Request Parameters

Table 3-947 Request header parameters

Parameter	Mandatory	Type	Description
X-Auth-Token	Yes	String	**Definition**: User token. You can obtain the token by calling the IAM API used to query the user token. The token is the value of X-Subject-Token in the response header. **Constraints** N/A **Range**: The value is subject to the user token query interface of the IAM service. **Default Value**: N/A

Table 3-948 Request body parameters

Parameter	Mandatory	Type	Description
mask_regex	Yes	String	Match Regular Expression

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Parameter	Mandatory	Type	Description
mask_value	Yes	String	Masked Value
rule_name	Yes	String	Privacy Data Protection Rule Name

Response Parameters

Status code: 200

Table 3-949 Response body parameters

Parameter	Type	Description
status	String	Alarm status. • SUCCESS: success • FAILED: failed

Status code: 400

Table 3-950 Response body parameters

Parameter	Type	Description
details	Array of DbssErrorDetail objects	PDP5 authentication exception information
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes
error_msg	String	Error message.

Table 3-951 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

Status code: 401

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Table 3-952 Response body parameters

Parameter	Type	Description
details	Array of **DbssErrorDetail** objects	PDP5 authentication exception information
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes
error_msg	String	Error message.

Table 3-953 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

Status code: 403

Table 3-954 Response body parameters

Parameter	Type	Description
details	Array of **DbssErrorDetail** objects	PDP5 authentication exception information
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes
error_msg	String	Error message.

Table 3-955 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

Status code: 500

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Table 3-956 Response body parameters

Parameter	Type	Description
details	Array of DbssErrorDetail objects	PDP5 authentication exception information
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes
error_msg	String	Error message.

Table 3-957 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

Example Requests

```
/v1/{project_id}/audit/{instance_id}/sensitive/mask/rule

{
  "mask_regex" : "ynf",
  "mask_value" : "ynf",
  "rule_name" : "ynf"
}
```

Example Responses

Status code: 200

OK

```
{
  "status" : "SUCCESS"
}
```

Status Codes

Status Code	Description
200	OK
400	Invalid request parameter.
401	Authorization failed.
403	Unauthorized

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Status Code	Description
500	Server error.

Error Codes

See **Error Codes**.

3.12 Audit Rule - Risky Operation

3.12.1 Enabling or Disabling a Risk Rule

Function

Enabling or Disabling a Risk Rule

URI

POST /v2/{project_id}/audit/{instance_id}/rule/risk/switch

Table 3-958 Path Parameters

Parameter	Mandatory	Type	Description
project_id	Yes	String	** Parameter description**: Specifies the project ID. You can obtain the value by calling the IAM API for querying the project list of a specified IAM user. ** Restrictions**: N/A ** Value range**: The value is subject to the return value of the IAM service interface. The value contains 32 to 64 characters. ** Default value**: N/A

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Parameter	Mandatory	Type	Description
instance_id	Yes	String	** Parameter description**: Instance ID. The value can be obtained from the ID field of the API for querying the instance list. ** Restrictions**: N/A ** Value range**: The value is subject to the value of the API for querying the instance list. The value contains 32 to 64 characters. ** Default value**: N/A

Request Parameters

Table 3-959 Request header parameters

Parameter	Mandatory	Type	Description
X-Auth-Token	Yes	String	** Parameter description**: User token. You can obtain the token by calling the IAM API used to query the user token. The token is the value of X-Subject-Token in the response header. ** Restrictions**: N/A ** Value range**: Used by the IAM service to query the user token. ** Default value**: N/A

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Table 3-960 Request body parameters

Parameter	Mandatory	Type	Description
ids	Yes	String	Rule ID. Use commas (,) to separate multiple IDs. You can obtain the value from the ID field in the API for querying risk rule policies.
status	Yes	String	Specifies the switch status. • OFF: disabled • ON: enabled

Response Parameters

Status code: 200

Table 3-961 Response body parameters

Parameter	Type	Description
status	String	Response status

Status code: 400

Table 3-962 Response body parameters

Parameter	Type	Description
details	Array of **DbssErrorDetail** objects	PDP5 authentication exception information
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes
error_msg	String	Error message.

Table 3-963 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

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Status code: 403

Table 3-964 Response body parameters

Parameter	Type	Description
details	Array of DbssErrorDetail objects	PDP5 authentication exception information
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes
error_msg	String	Error message.

Table 3-965 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

Example Requests

```
/v2/{project_id}/audit/{instance_id}/rule/risk/switch

{
  "ids" : "c7ILB3kBCwCqSg3B2OpF",
  "status" : "OFF"
}
```

Example Responses

Status code: 200

Request succeeded.

```
{
  "status" : "SUCCESS"
}
```

Status Codes

Status Code	Description
200	Request succeeded.
400	Invalid request parameter.
403	Authentication failed.

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Error Codes

See **Error Codes**.

3.12.2 Querying a Risk Rule Policy

Function

Query a risk rule policy.

URI

GET /v1/{project_id}/audit/{instance_id}/rule/risk

Table 3-966 Path Parameters

Parameter	Mandatory	Type	Description
project_id	Yes	String	**Definition** Project ID. You can obtain the value by calling the IAM API for [querying the project list of a specified IAM user]. **Constraints** N/A **Range** The value is determined by the value of the IAM API. The value contains 32 to 64 characters. **Default Value** N/A
instance_id	Yes	String	**Definition** Instance ID. The value can be obtained from the ID field of the API for querying the instance list. **Constraints** N/A **Range** The value is determined by the value of the API for querying the instance list. The value contains 32 to 64 characters. **Default Value** N/A

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Table 3-967 Query Parameters

Parameter	Mandatory	Type	Description
name	No	String	Risk name
risk_levels	No	String	**Definition**: Risk level. **Constraints**: Value range **Value range**: • LOW • MEDIUM • HIGH • NO_RISK **Default value**: N/A
support_db_classify_rule	No	Boolean	**Definition**: Whether risk rules can be displayed by database type. **Constraints**: Value range **Value range**: • **true**: supported • **false**: not supported • **false**: not supported **Default value**:

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Request Parameters

Table 3-968 Request header parameters

Parameter	Mandatory	Type	Description
X-Auth-Token	Yes	String	**Definition** User token. You can obtain the token by calling the IAM API used to query the user token. The token is the value of X-Subject-Token in the response header. **Constraints** N/A **Range** Determined by the value of the IAM API used for querying user tokens. **Default Value** N/A

Response Parameters

Status code: 200

Table 3-969 Response body parameters

Parameter	Type	Description
rules	Array of **rules** objects	List of risk rules
total	Integer	Total number.
customize_total	Integer	Number of custom rules

Table 3-970 rules

Parameter	Type	Description
id	String	Risk rule ID
name	String	Risk rule name
type	String	Risk rule type
feature	String	Risk rule characteristics

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Parameter	Type	Description
status	String	Risk rule status. The value can be: • **ON**: enabled • **OFF**: disabled
rank	Integer	Risk rule priority. A smaller value indicates a higher priority.
risk_level	String	Risk level. • LOW • MEDIUM • HIGH • NO_RISK
rule_type	String	Rule type

Status code: 400

Table 3-971 Response body parameters

Parameter	Type	Description
details	Array of **DbssErrorDetail** objects	PDP5 authentication exception information
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes
error_msg	String	Error message.

Table 3-972 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

Status code: 403

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Table 3-973 Response body parameters

Parameter	Type	Description
details	Array of **DbssErrorDetail** objects	PDP5 authentication exception information
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes
error_msg	String	Error message.

Table 3-974 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

Status code: 500

Table 3-975 Response body parameters

Parameter	Type	Description
details	Array of **DbssErrorDetail** objects	PDP5 authentication exception information
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes
error_msg	String	Error message.

Table 3-976 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

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Example Requests

/v1/{project_id}/audit/{instance_id}/rule/risk

Example Responses

Status code: 200

Success


```
{
  "rules" : [ {
    "id" : "xX4W2ngBo47GiyUSBeOy",
    "name" : "Database_drag_detection",
    "type" : "OPERATE",
    "feature" : "CLIENT[Any]OPERATE[[SELECT]OBJECT[Any]",
    "status" : "ON",
    "rank" : -1,
    "risk_level" : "HIGH"
  }, {
    "id" : "xn4W2ngBo47GiyUSBeP4",
    "name" : "Database_Slow_SQL_Detection",
    "type" : "OPERATE",
    "feature" : "CLIENT[Any]OPERATE[[SELECT]OBJECT[Any]",
    "status" : "ON",
    "rank" : -2,
    "risk_level" : "LOW"
  } ],
  "total" : 2
}
```


Status Codes

Status Code	Description
200	Success
400	Incorrect request parameter.
403	Authorization failed.
500	Internal server error.

Error Codes

See **Error Codes**.

3.12.3 Querying a Specified Risk Rule Policy

Function

Querying a Specified Risk Rule Policy

URI

GET /v2/{project_id}/audit/{instance_id}/rule/risk/{id}

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Table 3-977 Path Parameters

Parameter	Mandatory	Type	Description
project_id	Yes	String	**Definition**: Project ID You can obtain the value by calling the IAM API for querying the project list of a specified IAM user. ** Restrictions**: N/A **Range**: The value is subject to the return value of the IAM service interface. The value contains 32 to 64 characters. ** Default value**: N/A
instance_id	Yes	String	** Parameter description**: Instance ID. The value can be obtained from the ID field of the API for querying the instance list. ** Restrictions**: N/A ** Value range**: The value is subject to the value of the API for querying the instance list. The value contains 32 to 64 characters. ** Default value**: N/A

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Parameter	Mandatory	Type	Description
id	Yes	String	**Definition**: Risky policy ID. The value can be obtained from the ID field of the API for querying risk rule policies. ** Restrictions**: N/A **Range**: The value is subject to the value of the API for querying risk rule policies. The value is a string of 16 to 64 characters. ** Default value**: N/A

Request Parameters

Table 3-978 Request header parameters

Parameter	Mandatory	Type	Description
X-Auth-Token	Yes	String	** Parameter description**: User token. You can obtain the token by calling the IAM API used to query the user token. The token is the value of X-Subject-Token in the response header. ** Restrictions**: N/A ** Value range**: Used by the IAM service to query the user token. ** Default value**: N/A

Response Parameters

Status code: 200

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Table 3-979 Response body parameters

Parameter	Type	Description
rule_id	String	Risk rule ID
rule_name	String	Risk name
status	String	Risk rule status. The value can be: • **OFF** • **ON**
action	String	Operation set, which is separated by commas (,).LOGIN,CREATE_TABLE,CREATE_TABLESPACE,DROP_TABLE, DROP_TABLESPACE,DELETE,INSERT,INSERT_SELECT,SELECT,SELECT_FOR_UPDATE, UPDATE,CREATE_USER,DROP_USER,GRANT,OPERATE ALL
schemas	Array of **schemas** objects	Schema list
rank	Integer	Risk rule priority. A smaller value indicates a higher priority.
ignore_case	Boolean	Case insensitive or not.
risk_level	String	Risk level. • **LOW** • **MEDIUM** • **HIGH** • **NO_RISK**
db_ids	String	Database ID. Values are separated by commas (,). A single ID can contain up to 256 characters.
execution_symbol	String	Relationship between the execution duration and the execution duration threshold. The value can be: • **GREATER** • **EQUAL** • **LESS** • **GREATER_EQUAL** • **LESS_EQUAL** • **NO_MATCH**
execution_time	Integer	Execution duration threshold

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Parameter	Type	Description
affect_symbol	String	Relationship between the number of affected rows and the rows threshold. The value can be: • **GREATER** • **EQUAL** • **LESS** • **GREATER_EQUAL** • **LESS_EQUAL** • **NO_MATCH**
affect_rows	Integer	Threshold of affected rows
client_ips	String	Client IP address segment. The value is in the IP-IP format or IP/XX format. IP address segments are separated by commas (,).

Table 3-980 schemas

Parameter	Type	Description
schema	String	Schema name
table	String	Table name
column	String	Column name

Status code: 400

Table 3-981 Response body parameters

Parameter	Type	Description
details	Array of **DbssErrorDetail** objects	PDP5 authentication exception information
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes
error_msg	String	Error message.

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Table 3-982 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

Status code: 403

Table 3-983 Response body parameters

Parameter	Type	Description
details	Array of **DbssErrorDetail** objects	PDP5 authentication exception information
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes
error_msg	String	Error message.

Table 3-984 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

Status code: 500

Table 3-985 Response body parameters

Parameter	Type	Description
details	Array of **DbssErrorDetail** objects	PDP5 authentication exception information
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes
error_msg	String	Error message.

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Table 3-986 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

Example Requests

```
/v2/{project_id}/audit/{instance_id}/rule/risk/{id}
```

Example Responses

Status code: 200

Success

```
{
  "status" : "OFF",
  "action" : "LOGIN,SELECT,INSERT",
  "schemas" : [ {
    "schema" : "dbss_audit",
    "table" : null,
    "column" : null
  } ],
  "rank" : 6,
  "ignore_case" : false,
  "rule_id" : "AWT0HznX7At9UslqwTfm",
  "rule_name" : "risk_rule_name_00",
  "risk_level" : "MEDIUM",
  "db_ids" : "11111,22222",
  "execution_symbol" : "GREATER",
  "execution_time" : 10000,
  "affect_symbol" : "GREATER",
  "affect_rows" : 30,
  "client_ips" : "192.168.0.1"
}
```

Status Codes

Status Code	Description
200	Success
400	Incorrect request parameter.
403	Authorization failed.
500	Internal server error.

Error Codes

See **Error Codes**.

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3.12.4 Audit Instance Risk Rule Sorting

Function

Audit Instance Risk Rule Sorting

URI

POST /v2/{project_id}/audit/{instance_id}/rule/risk/rank

Table 3-987 Path Parameters

Parameter	Mandatory	Type	Description
project_id	Yes	String	** Parameter description**: Specifies the project ID. You can obtain the value by calling the IAM API for querying the project list of a specified IAM user. ** Restrictions**: N/A ** Value range**: The value is subject to the return value of the IAM service interface. The value contains 32 to 64 characters. ** Default value**: N/A
instance_id	Yes	String	**Definition**: Instance ID. The value can be obtained from the ID field of the API for querying the instance list. ** Restrictions**: N/A **Range**: The value is subject to the value of the API for querying the instance list. The value contains 32 to 64 characters. ** Default value**: N/A

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Request Parameters

Table 3-988 Request header parameters

Parameter	Mandatory	Type	Description
X-Auth-Token	Yes	String	** Parameter description**: User token. You can obtain the token by calling the IAM API used to query the user token. The token is the value of X-Subject-Token in the response header. ** Restrictions**: N/A ** Value range**: Used by the IAM service to query the user token. ** Default value**: N/A

Table 3-989 Request body parameters

Parameter	Mandatory	Type	Description
id	Yes	String	Rule ID
new_rank	Yes	Integer	Priority sequence number. The value starts from 1. A smaller value indicates a higher priority.

Response Parameters

Status code: 200

Table 3-990 Response body parameters

Parameter	Type	Description
result	String	Operation Result • success: Request succeeded • failed: failed

Status code: 400

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Table 3-991 Response body parameters

Parameter	Type	Description
details	Array of **DbssErrorDetail** objects	PDP5 authentication exception information
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes
error_msg	String	Error message.

Table 3-992 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

Status code: 401

Table 3-993 Response body parameters

Parameter	Type	Description
details	Array of **DbssErrorDetail** objects	PDP5 authentication exception information
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes
error_msg	String	Error message.

Table 3-994 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

Status code: 403

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Table 3-995 Response body parameters

Parameter	Type	Description
details	Array of **DbssErrorDetail** objects	PDP5 authentication exception information
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes
error_msg	String	Error message.

Table 3-996 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

Status code: 500

Table 3-997 Response body parameters

Parameter	Type	Description
details	Array of **DbssErrorDetail** objects	PDP5 authentication exception information
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes
error_msg	String	Error message.

Table 3-998 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

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Example Requests

```
/v2/{project_id}/audit/{instance_id}/rule/risk/rank

{
  "id" : "fXi9xpgBhH_Ra4ML7svR",
  "new_rank" : 1
}
```

Example Responses

Status code: 200

OK

```
{
  "result" : "success"
}
```

Status Codes

Status Code	Description
200	OK
400	Invalid request parameter.
401	Authorization failed.
403	Unauthorized
500	Server error.

Error Codes

See **Error Codes**.

3.12.5 Deleting a Risk Rule

Function

Delete a risk policy.

URI

DELETE /v1/{project_id}/audit/{instance_id}/rule/risk/{id}

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Table 3-999 Path Parameters

Parameter	Mandatory	Type	Description
project_id	Yes	String	**Definition** Project ID. You can obtain the value by calling the IAM API for [querying the project list of a specified IAM user]. **Constraints** N/A **Range** The value is determined by the value of the IAM API. The value contains 32 to 64 characters. **Default Value** N/A
instance_id	Yes	String	**Definition** Instance ID. The value can be obtained from the ID field of the API for querying the instance list. **Constraints** N/A **Range** The value is determined by the value of the API for querying the instance list. The value contains 32 to 64 characters. **Default Value** N/A

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Parameter	Mandatory	Type	Description
id	Yes	String	**Definition** Risky policy ID. The value can be obtained from the ID field of the API for querying risk rule policies. **Constraints** N/A **Range** The value is determined by the value of the API for querying risk rule policies. The value is a string of 16 to 64 characters. **Default Value** N/A

Request Parameters

Table 3-1000 Request header parameters

Parameter	Mandatory	Type	Description
X-Auth-Token	Yes	String	**Definition** User token. The token can be queried by calling the IAM API. (The token is the value of X-Subject-Token in the response header.) **Constraints** N/A **Range** Determined by the value of the IAM API used for querying user tokens. **Default Value** N/A

Response Parameters

Status code: 200

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Table 3-1001 Response body parameters

Parameter	Type	Description
status	String	Alarm status. • SUCCESS: success • FAILED: failed

Status code: 400

Table 3-1002 Response body parameters

Parameter	Type	Description
details	Array of **DbssErrorDetail** objects	PDP5 authentication exception information
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes
error_msg	String	Error message.

Table 3-1003 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

Status code: 401

Table 3-1004 Response body parameters

Parameter	Type	Description
details	Array of **DbssErrorDetail** objects	PDP5 authentication exception information
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes
error_msg	String	Error message.

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Table 3-1005 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

Status code: 403

Table 3-1006 Response body parameters

Parameter	Type	Description
details	Array of **DbssErrorDetail** objects	PDP5 authentication exception information
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes
error_msg	String	Error message.

Table 3-1007 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

Status code: 500

Table 3-1008 Response body parameters

Parameter	Type	Description
details	Array of **DbssErrorDetail** objects	PDP5 authentication exception information
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes
error_msg	String	Error message.

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Table 3-1009 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

Example Requests

```
/v1/{project_id}/audit/{instance_id}/rule/risk/{id}
```

Example Responses

Status code: 200

OK

```
{
  "status" : "SUCCESS"
}
```

Status Codes

Status Code	Description
200	OK
400	Invalid request parameter.
401	Authorization failed.
403	Unauthorized
500	Server error.

Error Codes

See **Error Codes**.

3.12.6 Adding a Risk Rule

Function

Adding a Risk Rule

URI

POST /v1/{project_id}/audit/{instance_id}/rule/risk

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Table 3-1010 Path Parameters

Parameter	Mandatory	Type	Description
project_id	Yes	String	**Definition** Project ID. You can obtain the value by calling the IAM API for [querying the project list of a specified IAM user]. **Constraints** N/A **Range** The value is determined by the value of the IAM API. The value contains 32 to 64 characters. **Default Value** N/A
instance_id	Yes	String	**Definition** Instance ID. The value can be obtained from the ID field of the API for querying the instance list. **Constraints** N/A **Range** The value is determined by the value of the API for querying the instance list. The value contains 32 to 64 characters. **Default Value** N/A

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Request Parameters

Table 3-1011 Request header parameters

Parameter	Mandatory	Type	Description
X-Auth-Token	Yes	String	**Definition** User token. You can obtain the token by calling the IAM API used to query the user token. The token is the value of X-Subject-Token in the response header. **Constraints** N/A **Range** Determined by the value of the IAM API used for querying user tokens. **Default Value** N/A

Table 3-1012 Request body parameters

Parameter	Mandatory	Type	Description
action	No	String	Operation type. Use commas (,) to separate multiple operation types.
affect_rows	Yes	Integer	Number of rows affected.
affect_symbol	Yes	String	Affected row number Operator. • **GREATER**: greater than • **EQUAL**: equal to • **LESS**: less than • **GREATER_EQUAL**: greater than or equal to • **LESS_EQUAL**: less than or equal to • **NO_MATCH**: not equal to
client_ips	No	String	Client IP address. Use commas (,) to separate multiple IP addresses.

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Parameter	Mandatory	Type	Description
db_ids	No	String	Database ID. Use commas (,) to separate multiple IDs.
exception_ips	No	String	Exception IP addresses. The IP addresses specified here are not checked for risk matching. Use commas (,) to separate multiple IP addresses.
execution_symbol	Yes	String	Execution duration operator. • **GREATER**: greater than • **EQUAL**: equal to • **LESS**: less than • **GREATER_EQUAL**: greater than or equal to • **LESS_EQUAL**: less than or equal to • **NO_MATCH**: not equal to
execution_time	Yes	Long	Execution duration.
ignore_case	No	Boolean	Case insensitive or not.
risk_level	Yes	String	Risk severity. • **LOW**: low • **MEDIUM**: medium • **HIGH**: high • **NO_RISK**: none
rule_name	Yes	String	Rule name.
schemas	No	Array of **SchemaBean** objects	Operation object.
status	Yes	String	Status. • **OFF**: disabled • **ON**: enabled

Table 3-1013 SchemaBean

Parameter	Mandatory	Type	Description
column	No	String	Target field.
schema	No	String	Destination database.

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Parameter	Mandatory	Type	Description
table	No	String	Target table.

Response Parameters

Status code: 200

Table 3-1014 Response body parameters

Parameter	Type	Description
status	String	Alarm status. • SUCCESS: success • FAILED: failed

Status code: 400

Table 3-1015 Response body parameters

Parameter	Type	Description
details	Array of DbssErrorDetail objects	PDP5 authentication exception information
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes
error_msg	String	Error message.

Table 3-1016 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

Status code: 401

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Table 3-1017 Response body parameters

Parameter	Type	Description
details	Array of **DbssErrorDetail** objects	PDP5 authentication exception information
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes
error_msg	String	Error message.

Table 3-1018 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

Status code: 403

Table 3-1019 Response body parameters

Parameter	Type	Description
details	Array of **DbssErrorDetail** objects	PDP5 authentication exception information
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes
error_msg	String	Error message.

Table 3-1020 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

Status code: 500

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Table 3-1021 Response body parameters

Parameter	Type	Description
details	Array of DbssErrorDetail objects	PDP5 authentication exception information
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes
error_msg	String	Error message.

Table 3-1022 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

Example Requests

/v1/{project_id}/audit/{instance_id}/rule/risk

```
{
  "rule_name" : "test",
  "risk_level" : "LOW",
  "status" : "ON",
  "affect_rows" : 0,
  "affect_symbol" : "GREATER_EQUAL",
  "execution_symbol" : "GREATER_EQUAL",
  "execution_time" : 0,
  "db_ids" : "lQZpwJgB0g4pz3UTv74a",
  "client_ips" : "10.0.1.2,10.2.3.3",
  "schemas" : [ ],
  "ignore_case" : false,
  "action" : null,
  "exception_ips" : "10.0.1.2,10.2.3.3"
}
```

Example Responses

Status code: 200

OK

```
{
  "status" : "SUCCESS"
}
```

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Status Codes

Status Code	Description
200	OK
400	Invalid request parameter.
401	Authorization failed.
403	Unauthorized
500	Server error.

Error Codes

See **Error Codes**.

3.12.7 Editing a Risky Operation Policy

Function

Editing a Risky Operation Policy

URI

PUT /v2/{project_id}/audit/{instance_id}/rule/risk/{id}

Table 3-1023 Path Parameters

Parameter	Mandatory	Type	Description
project_id	Yes	String	**Definition**: Project ID You can obtain the value by calling the IAM API for querying the project list of a specified IAM user. ** Restrictions**: N/A **Range**: The value is subject to the return value of the IAM service interface. The value contains 32 to 64 characters. ** Default value**: N/A

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Parameter	Mandatory	Type	Description
instance_id	Yes	String	** Parameter description**: Instance ID. The value can be obtained from the ID field of the API for querying the instance list. **Constraints** N/A **Range**: The value is subject to the value of the API for querying the instance list. The value contains 32 to 64 characters. **Default Value**: N/A
id	Yes	String	**Definition**: Risky policy ID. The value can be obtained from the ID field of the API for querying risk rule policies. ** Restrictions**: N/A **Range**: The value is subject to the value of the API for querying risk rule policies. The value is a string of 16 to 64 characters. ** Default value**: N/A

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Request Parameters

Table 3-1024 Request header parameters

Parameter	Mandatory	Type	Description
X-Auth-Token	Yes	String	**Definition**: User token. You can obtain the token by calling the IAM API used to query the user token. The token is the value of X-Subject-Token in the response header. **Constraints** N/A **Range**: The value is subject to the user token query interface of the IAM service. **Default Value**: N/A

Table 3-1025 Request body parameters

Parameter	Mandatory	Type	Description
action	No	String	Operation type. Use commas (,) to separate multiple operation types.
affect_rows	Yes	Integer	Number of rows affected.
affect_symbol	Yes	String	Affected row number Operator. • **GREATER**: greater than • **EQUAL**: equal to • **LESS**: less than • **GREATER_EQUAL**: greater than or equal to • **LESS_EQUAL**: less than or equal to • **NO_MATCH**: not equal to
client_ips	No	String	Client IP address. Use commas (,) to separate multiple IP addresses.

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Parameter	Mandatory	Type	Description
db_ids	No	String	Database ID. Use commas (,) to separate multiple IDs.
exception_ips	No	String	Exception IP addresses. The IP addresses specified here are not checked for risk matching. Use commas (,) to separate multiple IP addresses.
execution_symbol	Yes	String	Execution duration operator. • **GREATER**: greater than • **EQUAL**: equal to • **LESS**: less than • **GREATER_EQUAL**: greater than or equal to • **LESS_EQUAL**: less than or equal to • **NO_MATCH**: not equal to
execution_time	Yes	Long	Execution duration.
ignore_case	No	Boolean	Case insensitive or not.
risk_level	Yes	String	Risk severity. • **LOW**: low • **MEDIUM**: medium • **HIGH**: high • **NO_RISK**: none
rule_name	Yes	String	Rule name.
schemas	No	Array of **SchemaBean** objects	Operation object.
status	Yes	String	Status. • **OFF**: disabled • **ON**: enabled

Table 3-1026 SchemaBean

Parameter	Mandatory	Type	Description
column	No	String	Target field.
schema	No	String	Destination database.

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Parameter	Mandatory	Type	Description
table	No	String	Target table.

Response Parameters

Status code: 200

Table 3-1027 Response body parameters

Parameter	Type	Description
status	String	Alarm status. • SUCCESS: success • FAILED: failed

Status code: 400

Table 3-1028 Response body parameters

Parameter	Type	Description
details	Array of **DbssErrorDetail** objects	PDP5 authentication exception information
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes
error_msg	String	Error message.

Table 3-1029 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

Status code: 401

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Table 3-1030 Response body parameters

Parameter	Type	Description
details	Array of **DbssErrorDetail** objects	PDP5 authentication exception information
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes
error_msg	String	Error message.

Table 3-1031 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

Status code: 403

Table 3-1032 Response body parameters

Parameter	Type	Description
details	Array of **DbssErrorDetail** objects	PDP5 authentication exception information
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes
error_msg	String	Error message.

Table 3-1033 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

Status code: 500

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Table 3-1034 Response body parameters

Parameter	Type	Description
details	Array of DbssErrorDetail objects	PDP5 authentication exception information
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes
error_msg	String	Error message.

Table 3-1035 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

Example Requests

```
/v2/{project_id}/audit/{instance_id}/rule/risk/{risk_id}

{
  "rule_name" : "test",
  "risk_level" : "LOW",
  "status" : "ON",
  "affect_rows" : 0,
  "affect_symbol" : "GREATER_EQUAL",
  "execution_symbol" : "GREATER_EQUAL",
  "execution_time" : 0,
  "db_ids" : "lQZpwJgB0g4pz3UTv74a",
  "client_ips" : null,
  "schemas" : [ ],
  "ignore_case" : false,
  "action" : null,
  "exception_ips" : null
}
```

Example Responses

Status code: 200

OK

```
{
  "status" : "SUCCESS"
}
```


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Status Codes

Status Code	Description
200	OK
400	Invalid request parameter.
401	Authorization failed.
403	Unauthorized
500	Server error.

Error Codes

See **Error Codes**.

3.13 SQL Whitelist

3.13.1 Modifying a Whitelist

Function

Modify a whitelist.

URI

PUT /v1/{project_id}/audit/{instance_id}/whitelists/{id}

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Table 3-1036 Path Parameters

Parameter	Mandatory	Type	Description
project_id	Yes	String	**Definition**: Project ID. You can obtain the value by calling the IAM API for querying the project list of a specified IAM user. **Constraints** N/A **Range**: The value is subject to the return value of the IAM service interface. The value contains 32 to 64 characters. **Default Value**: N/A
instance_id	Yes	String	**Definition**: Instance ID. The value can be obtained from the ID field of the API for querying the instance list. **Constraints** N/A **Range**: The value is subject to the value of the API for querying the instance list. The value contains 32 to 64 characters. **Default Value**: N/A

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Parameter	Mandatory	Type	Description
id	Yes	String	**Definition**: Whitelist ID. The value can be obtained from the ID field of the interface for querying the whitelist. **Constraints** N/A **Range**: The value is subject to the value of the interface for querying the whitelist. The value is a string of 16 to 64 characters. **Default Value**: N/A

Request Parameters

Table 3-1037 Request header parameters

Parameter	Mandatory	Type	Description
X-Auth-Token	Yes	String	**Definition**: User token. The token can be queried by calling the IAM API. (The token is the value of X-Subject-Token in the response header.) **Constraints** N/A **Range**: The value is subject to the user token query interface of the IAM service. **Default Value**: N/A

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Table 3-1038 Request body parameters

Parameter	Mandatory	Type	Description
db_ids	No	Array of strings	Database ID list
desc	No	String	Remarks
enabled	Yes	Boolean	Whether it is enabled. • **true**: enabled • **false**: disabled

Response Parameters

Status code: 200

Table 3-1039 Response body parameters

Parameter	Type	Description
status	String	Alarm status. • SUCCESS: success • FAILED: failed

Status code: 400

Table 3-1040 Response body parameters

Parameter	Type	Description
details	Array of **DbssErrorDetail** objects	PDP5 authentication exception information
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes
error_msg	String	Error message.

Table 3-1041 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes

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Parameter	Type	Description
error_msg	String	PDP5 error information

Status code: 401

Table 3-1042 Response body parameters

Parameter	Type	Description
details	Array of DbssErrorDetail objects	PDP5 authentication exception information
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes
error_msg	String	Error message.

Table 3-1043 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

Status code: 403

Table 3-1044 Response body parameters

Parameter	Type	Description
details	Array of DbssErrorDetail objects	PDP5 authentication exception information
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes
error_msg	String	Error message.

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Table 3-1045 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

Status code: 500

Table 3-1046 Response body parameters

Parameter	Type	Description
details	Array of **DbssErrorDetail** objects	PDP5 authentication exception information
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes
error_msg	String	Error message.

Table 3-1047 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

Example Requests

```
/v1/{project_id}/audit/{instance_id}/whitelists/{id}

{
  "desc" : "test",
  "db_ids" : [ ],
  "enabled" : true
}
```

Example Responses

Status code: 200

OK

```
{
  "status" : "SUCCESS"
}
```


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Status Codes

Status Code	Description
200	OK
400	Invalid request parameter.
401	Authorization failed.
403	Unauthorized
500	Server error.

Error Codes

See **Error Codes**.

3.13.2 Deleting Whitelists in Batches

Function

Bath Delete Tenants

URI

POST /v1/{project_id}/audit/{instance_id}/whitelists/batch-delete

Table 3-1048 Path Parameters

Parameter	Mandatory	Type	Description
project_id	Yes	String	**Definition**: Specifies the project ID. You can obtain the value by calling the IAM API for querying the project list of a specified IAM user. **Constraints** N/A **Range**: The value is subject to the return value of the IAM service interface. The value contains 32 to 64 characters. **Default Value**: N/A

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Parameter	Mandatory	Type	Description
instance_id	Yes	String	**Definition**: Instance ID. The value can be obtained from the ID field of the API for querying the instance list. **Constraints** N/A **Range**: The value is subject to the value of the API for querying the instance list. The value contains 32 to 64 characters. **Default Value**: N/A

Request Parameters

Table 3-1049 Request header parameters

Parameter	Mandatory	Type	Description
X-Auth-Token	Yes	String	**Definition**: User token. You can obtain the token by calling the IAM API used to query the user token. The token is the value of X-Subject-Token in the response header. **Constraints** N/A **Range**: The value is subject to the user token query interface of the IAM service. **Default Value**: N/A

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Table 3-1050 Request body parameters

Parameter	Mandatory	Type	Description
whitelists	Yes	Array of strings	Whitelist record ID.

Response Parameters

Status code: 200

Table 3-1051 Response body parameters

Parameter	Type	Description
status	String	Alarm status. • SUCCESS: success • FAILED: failed

Status code: 400

Table 3-1052 Response body parameters

Parameter	Type	Description
details	Array of **DbssErrorDetail** objects	PDP5 authentication exception information
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes
error_msg	String	Error message.

Table 3-1053 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

Status code: 401

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Table 3-1054 Response body parameters

Parameter	Type	Description
details	Array of **DbssErrorDetail** objects	PDP5 authentication exception information
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes
error_msg	String	Error message.

Table 3-1055 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

Status code: 403

Table 3-1056 Response body parameters

Parameter	Type	Description
details	Array of **DbssErrorDetail** objects	PDP5 authentication exception information
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes
error_msg	String	Error message.

Table 3-1057 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

Status code: 500

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Table 3-1058 Response body parameters

Parameter	Type	Description
details	Array of DbssErrorDetail objects	PDP5 authentication exception information
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes
error_msg	String	Error message.

Table 3-1059 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

Example Requests

```
/v1/{project_id}/audit/{instance_id}/whitelists/batch-delete

{
  "whitelists" : [ "Qc1RypgBOOXTipG9wwlA" ]
}
```

Example Responses

Status code: 200

OK

```
{
  "status" : "SUCCESS"
}
```

Status Codes

Status Code	Description
200	OK
400	Invalid request parameter.
401	Authorization failed.
403	Unauthorized
500	Server error.

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Error Codes

See **Error Codes**.

3.13.3 Querying Whitelists

Function

Querying whitelists

URI

GET /v1/{project_id}/audit/{instance_id}/whitelists

Table 3-1060 Path Parameters

Parameter	Mandatory	Type	Description
project_id	Yes	String	**Definition**: Project ID You can obtain the value by calling the IAM API for querying the project list of a specified IAM user. **Constraints** N/A **Range**: The value is subject to the return value of the IAM service interface. The value contains 32 to 64 characters. **Default Value**: N/A
instance_id	Yes	String	**Definition**: Instance ID. The value can be obtained from the ID field of the API for querying the instance list. **Constraints** N/A **Range**: The value is subject to the value of the API for querying the instance list. The value contains 32 to 64 characters. **Default Value**: N/A

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Table 3-1061 Query Parameters

Parameter	Mandatory	Type	Description
offset	No	Integer	**Definition**: Pagination offset. The query starts after the offset of the first data record. **Constraints** Only integers greater than or equal to 0 are supported. **Range**: Greater than or equal to 0 **Default Value**: The default value is 0.
limit	No	Integer	**Definition**: Number of records queried on each page. **Constraints** Only integers greater than 0 are supported. **Range**: Greater than 0 and less than or equal to 10000 **Default Value**: The default value is 100.

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Request Parameters

Table 3-1062 Request header parameters

Parameter	Mandatory	Type	Description
X-Auth-Token	Yes	String	**Definition**: User token. The token can be queried by calling the IAM API. (The token is the value of X-Subject-Token in the response header.) **Constraints** N/A **Range**: The value is subject to the user token query interface of the IAM service. **Default Value**: N/A

Response Parameters

Status code: 200

Table 3-1063 Response body parameters

Parameter	Type	Description
total	Integer	Total records.
whitelists	Array of **WhitelistBean** objects	Whitelist

Table 3-1064 WhitelistBean

Parameter	Type	Description
create_timestamp_ms	Long	Creation time.
db_ids	Array of strings	Database IDs.
desc	String	Description

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Parameter	Type	Description
enabled	Boolean	Status. • **true**: enabled • **false**: disabled
id	String	Record ID.
sql	String	SQL statement.
update_timestamp_ms	Long	Update time.

Status code: 400

Table 3-1065 Response body parameters

Parameter	Type	Description
details	Array of **DbssErrorDetail** objects	PDP5 authentication exception information
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes
error_msg	String	Error message.

Table 3-1066 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

Status code: 401

Table 3-1067 Response body parameters

Parameter	Type	Description
details	Array of **DbssErrorDetail** objects	PDP5 authentication exception information

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Parameter	Type	Description
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes
error_msg	String	Error message.

Table 3-1068 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

Status code: 403

Table 3-1069 Response body parameters

Parameter	Type	Description
details	Array of **DbssErrorDetail** objects	PDP5 authentication exception information
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes
error_msg	String	Error message.

Table 3-1070 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

Status code: 500

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Table 3-1071 Response body parameters

Parameter	Type	Description
details	Array of DbssErrorDetail objects	PDP5 authentication exception information
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes
error_msg	String	Error message.

Table 3-1072 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

Example Requests

/v1/{project_id}/audit/{instance_id}/whitelists

Example Responses

Status code: 200

OK

```
{
  "total" : 1,
  "whitelists" : [ {
    "id" : "JM1JypgBOOXTipG9cwk_",
    "sql" : "select",
    "desc" : "",
    "db_ids" : [ ],
    "enabled" : true,
    "create_timestamp_ms" : 1755740468029,
    "update_timestamp_ms" : 1755740468029
  } ]
}
```

Status Codes

Status Code	Description
200	OK
400	Invalid request parameter.
401	Authorization failed.

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Status Code	Description
403	Unauthorized
500	Server error.

Error Codes

See **Error Codes**.

3.13.4 Adding Whitelist Records in Batches

Function

Adding Whitelist Records in Batches

URI

POST /v1/{project_id}/audit/{instance_id}/whitelists

Table 3-1073 Path Parameters

Parameter	Mandatory	Type	Description
project_id	Yes	String	**Definition**: Specifies the project ID. You can obtain the value by calling the IAM API for querying the project list of a specified IAM user. **Constraints** N/A **Range**: The value is subject to the return value of the IAM service interface. The value contains 32 to 64 characters. **Default Value**: N/A

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Parameter	Mandatory	Type	Description
instance_id	Yes	String	**Definition**: Instance ID. The value can be obtained from the ID field of the API for querying the instance list. **Constraints** N/A **Range**: The value is subject to the value of the API for querying the instance list. The value contains 32 to 64 characters. **Default Value**: N/A

Request Parameters

Table 3-1074 Request header parameters

Parameter	Mandatory	Type	Description
X-Auth-Token	Yes	String	**Definition**: User token. You can obtain the token by calling the IAM API used to query the user token. The token is the value of X-Subject-Token in the response header. **Constraints** N/A **Range**: The value is subject to the user token query interface of the IAM service. **Default Value**: N/A

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Table 3-1075 Request body parameters

Parameter	Mandatory	Type	Description
whitelists	Yes	Array of **ObjWhitelist** objects	SQL whitelist

Table 3-1076 ObjWhitelist

Parameter	Mandatory	Type	Description
db_ids	No	Array of strings	The database record ID.
desc	No	String	Description
enabled	No	Boolean	Alarm status.
sql	Yes	String	SQL statements

Response Parameters

Status code: 200

Table 3-1077 Response body parameters

Parameter	Type	Description
status	String	Alarm status. • SUCCESS: success • FAILED: failed

Status code: 400

Table 3-1078 Response body parameters

Parameter	Type	Description
details	Array of **DbssErrorDetail** objects	PDP5 authentication exception information
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes
error_msg	String	Error message.

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Table 3-1079 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

Status code: 401

Table 3-1080 Response body parameters

Parameter	Type	Description
details	Array of DbssErrorDetail objects	PDP5 authentication exception information
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes
error_msg	String	Error message.

Table 3-1081 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

Status code: 403

Table 3-1082 Response body parameters

Parameter	Type	Description
details	Array of DbssErrorDetail objects	PDP5 authentication exception information
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes
error_msg	String	Error message.

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Table 3-1083 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

Status code: 500

Table 3-1084 Response body parameters

Parameter	Type	Description
details	Array of DbssErrorDetail objects	PDP5 authentication exception information
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes
error_msg	String	Error message.

Table 3-1085 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

Example Requests

```
/v1/{project_id}/audit/{instance_id}/whitelists

{
  "whitelists" : [ {
    "sql" : "select * from test",
    "db_ids" : [ ]
  } ]
}
```

Example Responses

Status code: 200

OK

```
{
  "status" : "SUCCESS"
}
```


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Status Codes

Status Code	Description
200	OK
400	Invalid request parameter.
401	Authorization failed.
403	Unauthorized
500	Server error.

Error Codes

See **Error Codes**.

3.14 Backup Management

3.14.1 Obtaining All Backup Information

Function

Obtaining All Backup Information

URI

POST /v2/{project_id}/audit/{instance_id}/backups

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Table 3-1086 Path Parameters

Parameter	Mandatory	Type	Description
project_id	Yes	String	**Definition**: Project ID You can obtain the value by calling the IAM API for querying the project list of a specified IAM user. ** Restrictions**: N/A **Range**: The value is subject to the return value of the IAM service interface. The value contains 32 to 64 characters. ** Default value**: N/A
instance_id	Yes	String	**Definition**: Instance ID. The value can be obtained from the ID field of the API for querying the instance list. ** Restrictions**: N/A **Range**: The value is subject to the value of the API for querying the instance list. The value contains 32 to 64 characters. ** Default value**: N/A

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Request Parameters

Table 3-1087 Request header parameters

Parameter	Mandatory	Type	Description
X-Auth-Token	Yes	String	** Parameter description**: User token. You can obtain the token by calling the IAM API used to query the user token. The token is the value of X-Subject-Token in the response header. ** Restrictions**: N/A ** Value range**: Used by the IAM service to query the user token. ** Default value**: N/A

Table 3-1088 Request body parameters

Parameter	Mandatory	Type	Description
end_time	No	String	End time
page	Yes	Integer	Current page
size	Yes	Integer	Pagination size.
start_time	No	String	Start time, in yyyy-MM-dd HH:mm:ss format.

Response Parameters

Status code: 200

Table 3-1089 Response body parameters

Parameter	Type	Description
data_list	Array of **BackupInfo** objects	Backup file list
total_num	Long	Specifies the total number of records.

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Table 3-1090 BackupInfo

Parameter	Type	Description
backup_task_fail_reason	String	Backup Failure Cause
backup_time	String	Backup time, in yyyy-MM-dd HH:mm:ss format.
deleted	Boolean	Marking deletion
end_time	String	Backup end time, in yyyy-MM-dd HH:mm:ss format.
file_size	Long	File size
file_size_unit	String	Unit of the file size. • Byte • KB • MB • GB
id	String	Backup ID.
mode	String	Backup modes • AUTO: automatic backup
name	String	backup_name
percentage	Integer	Backup progress

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Parameter	Type	Description
progress	String	Progress • CLEAN_AFTER_FAILED: The data fails to be cleared. • **DELETING**: The instance is being deleted. • **DELETED**: The instance was deleted. • DELETE_FAIL: The deletion fails. • RESTORING_WAITING: The service is waiting to be restored. • RESTORING: The VM is being restored. • RESTORED: restored • RESTORE_FAIL: The restoration fails. • BACKUP_WAITING: Backup is waiting. • FILE_UPLOAD_WAITING: The backup file is waiting to be uploaded. • FILE_UPLOADING: The file is being uploaded. • AUTO_BACKUPING: Automatic backup is in progress. • AUTO_BACKUPED: The automatic backup is complete. • AUTO_BACKUP_FAIL: indicates that the automatic backup fails. • MANUAL_BACKUPING: The manual backup is in progress. • MANUAL_BACKUP_FAIL: Manual backup failed. • ISAP_WAITING: ISAP is waiting for backup. • ISAP_BACKUPING: The ISAP is being backed up. • ISAP_BACKUPED: ISAP backup succeeded. • ISAP_BACKUP_FAIL: ISAP backup failed. • ISAP_FILE_UPLOAD_WAITING: The ISAP is waiting to upload the backup file.

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Parameter	Type	Description
		• ISAP_FILE_UPLOADING: The ISAP is uploading files.
restore_task_fail_reason	String	Restoration Failure Cause
sha256	String	File SHA256
start_time	String	Backup start time, in yyyy-MM-dd HH:mm:ss format.

Status code: 400

Table 3-1091 Response body parameters

Parameter	Type	Description
details	Array of **DbssErrorDetail** objects	PDP5 authentication exception information
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes
error_msg	String	Error message.

Table 3-1092 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

Status code: 401

Table 3-1093 Response body parameters

Parameter	Type	Description
details	Array of **DbssErrorDetail** objects	PDP5 authentication exception information
encoded_authorization_message	String	PDP5 authentication exception information

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Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	Error message.

Table 3-1094 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

Status code: 403

Table 3-1095 Response body parameters

Parameter	Type	Description
details	Array of DbssErrorDetail objects	PDP5 authentication exception information
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes
error_msg	String	Error message.

Table 3-1096 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

Status code: 500

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Table 3-1097 Response body parameters

Parameter	Type	Description
details	Array of DbssErrorDetail objects	PDP5 authentication exception information
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes
error_msg	String	Error message.

Table 3-1098 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

Example Requests

```
/v2/{project_id}/audit/{instance_id}/backups

{
  "page" : 1,
  "size" : 10
}
```

Example Responses

Status code: 200

OK

```
{
  "total_num" : 1,
  "data_list" : [ {
    "id" : "XwRQyJgBhN3UjKKc3yhJ",
    "name" : "auto_backup_20250820-00_00~23_59",
    "backup_time" : "2025-08-20 16:30:00",
    "file_size" : 20,
    "file_size_unit" : "Byte",
    "mode" : "AUTO",
    "start_time" : "2025-08-19 16:00:00",
    "end_time" : "2025-08-20 15:59:59",
    "percentage" : 0,
    "deleted" : false,
    "progress" : "RESTORED",
    "backup_task_fail_reason" : null,
    "restore_task_fail_reason" : null,
    "sha256" : "59869db34853933b239f1e2219cf7d431da006aa919635478511fabbfc8849d2"
  } ]
}
```


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Status Codes

Status Code	Description
200	OK
400	Invalid request parameter.
401	Authorization failed.
403	Unauthorized
500	Server error.

Error Codes

See **Error Codes**.

3.14.2 Enabling/Disabling Backup

Function

Enable/Disable backup.

URI

POST /v1/{domain_id}/audit/{instance_id}/backup/switch

Table 3-1099 Path Parameters

Parameter	Mandatory	Type	Description
domain_id	Yes	String	**Definition** Account ID. Obtain the value by calling the IAM API for querying IAM user details. **Constraints** N/A **Range** Determined by the value of the IAM API used for [querying user tokens]. **Default Value** N/A

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Parameter	Mandatory	Type	Description
instance_id	Yes	String	**Definition** Instance ID. The value can be obtained from the ID field of the API for querying the instance list. **Constraints** N/A **Range** The value is determined by the value of the API for querying the instance list. The value contains 32 to 64 characters. **Default Value** N/A

Request Parameters

Table 3-1100 Request header parameters

Parameter	Mandatory	Type	Description
X-Auth-Token	Yes	String	**Definition** User token. You can obtain the token by calling the IAM API used to query the user token. The token is the value of X-Subject-Token in the response header. **Constraints** N/A **Range** Determined by the value of the IAM API used for querying user tokens. **Default Value** N/A

Table 3-1101 Request body parameters

Parameter	Mandatory	Type	Description
bucket_name	Yes	String	OBS Bucket Name

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Parameter	Mandatory	Type	Description
bucket_root_path	No	String	Backup Root Path
cycle	Yes	String	Backup Cycle • PER_DAY: every day • PER_WEEK: weekly • PER_MONTH: monthly • PER_HOUR: every hour • FIVE_MIN: every 5 minutes
mode	Yes	String	Backup Mode • AUTO: automatic backup
status	Yes	Integer	Specifies the switch status. • 0: disabled • 1: enabled
trigger_time	Yes	String	Trigger time, in yyyy-MM-dd HH:mm:ss format.

Response Parameters

Status code: 200

Table 3-1102 Response body parameters

Parameter	Type	Description
result	String	Operation Result • SUCCESS: success

Status code: 400

Table 3-1103 Response body parameters

Parameter	Type	Description
details	Array of DbssErrorDetail objects	PDP5 authentication exception information
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes

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Parameter	Type	Description
error_msg	String	Error message.

Table 3-1104 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

Status code: 401

Table 3-1105 Response body parameters

Parameter	Type	Description
details	Array of **DbssErrorDetail** objects	PDP5 authentication exception information
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes
error_msg	String	Error message.

Table 3-1106 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

Status code: 403

Table 3-1107 Response body parameters

Parameter	Type	Description
details	Array of **DbssErrorDetail** objects	PDP5 authentication exception information

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Parameter	Type	Description
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes
error_msg	String	Error message.

Table 3-1108 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

Status code: 500

Table 3-1109 Response body parameters

Parameter	Type	Description
details	Array of DbssErrorDetail objects	PDP5 authentication exception information
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes
error_msg	String	Error message.

Table 3-1110 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

Example Requests

```
/v1/{domain_id}/audit/{instance_id}/backup/switch

{
  "mode" : "AUTO",
  "trigger_time" : "2025-08-21 02:00:44",
  "status" : 1,
```


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```
  "cycle" : "PER_HOUR",
  "bucket_name" : "cbh-ynf",
  "bucket_root_path" : ""
}
```

Example Responses

Status code: 200

OK

```
{
  "result" : "SUCCESS"
}
```

Status Codes

Status Code	Description
200	OK
400	Invalid request parameter.
401	Authorization failed.
403	Unauthorized
500	Server error.

Error Codes

See **Error Codes**.

3.14.3 Obtaining the Backup Status

Function

Obtain the backup status.

URI

GET /v1/{project_id}/audit/{instance_id}/backup/status

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Table 3-1111 Path Parameters

Parameter	Mandatory	Type	Description
project_id	Yes	String	**Definition** Project ID. You can obtain the value by calling the IAM API for [querying the project list of a specified IAM user]. **Constraints** N/A **Range** The value is determined by the value of the IAM API. The value contains 32 to 64 characters. **Default Value** N/A
instance_id	Yes	String	**Definition** Instance ID. The value can be obtained from the ID field of the API for querying the instance list. **Constraints** N/A **Range** The value is determined by the value of the API for querying the instance list. The value contains 32 to 64 characters. **Default Value** N/A

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Request Parameters

Table 3-1112 Request header parameters

Parameter	Mandatory	Type	Description
X-Auth-Token	Yes	String	**Definition** User token. The token can be queried by calling the IAM API. (The token is the value of X-Subject-Token in the response header.) **Constraints** N/A **Range** Determined by the value of the IAM API used for querying user tokens. **Default Value** N/A

Response Parameters

Status code: 200

Table 3-1113 Response body parameters

Parameter	Type	Description
status	Integer	Status. • **1**: successful • Other value: failed

Status code: 400

Table 3-1114 Response body parameters

Parameter	Type	Description
details	Array of **DbssErrorDetail** objects	PDP5 authentication exception information
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes

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Parameter	Type	Description
error_msg	String	Error message.

Table 3-1115 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

Status code: 401

Table 3-1116 Response body parameters

Parameter	Type	Description
details	Array of **DbssErrorDetail** objects	PDP5 authentication exception information
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes
error_msg	String	Error message.

Table 3-1117 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

Status code: 403

Table 3-1118 Response body parameters

Parameter	Type	Description
details	Array of **DbssErrorDetail** objects	PDP5 authentication exception information

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Parameter	Type	Description
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes
error_msg	String	Error message.

Table 3-1119 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

Status code: 500

Table 3-1120 Response body parameters

Parameter	Type	Description
details	Array of DbssErrorDetail objects	PDP5 authentication exception information
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes
error_msg	String	Error message.

Table 3-1121 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

Example Requests

```
/v1/{project_id}/audit/{instance_id}/backup/status
```

Example Responses

Status code: 200

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OK

```
{
  "status" : 1
}
```

Status Codes

Status Code	Description
200	OK
400	Invalid request parameter.
401	Authorization failed.
403	Unauthorized
500	Server error.

Error Codes

See **Error Codes**.

3.14.4 Retrying a Backup Task

Function

Retry a backup task.

URI

POST /v1/{project_id}/audit/{instance_id}/backup/{id}/retry

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Table 3-1122 Path Parameters

Parameter	Mandatory	Type	Description
project_id	Yes	String	**Definition** Project ID. You can obtain the value by calling the IAM API for [querying the project list of a specified IAM user]. **Constraints** N/A **Range** The value is determined by the value of the IAM API. The value contains 32 to 64 characters. **Default Value** N/A
instance_id	Yes	String	**Definition** Instance ID. The value can be obtained from the ID field of the API for querying the instance list. **Constraints** N/A **Range** The value is determined by the value of the API for querying the instance list. The value contains 32 to 64 characters. **Default Value** N/A
id	Yes	String	**Definition** Backup ID. You can obtain the value by obtaining the IDs of all backup interfaces. **Constraints** N/A **Range** Obtain the values of all backup interfaces. The value is a string of 16 to 64 characters. **Default Value** N/A

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Request Parameters

Table 3-1123 Request header parameters

Parameter	Mandatory	Type	Description
X-Auth-Token	Yes	String	**Definition** User token. You can obtain the token by calling the IAM API used to query the user token. The token is the value of X-Subject-Token in the response header. **Constraints** N/A **Range** Determined by the value of the IAM API used for querying user tokens. **Default Value** N/A

Response Parameters

Status code: 200

Table 3-1124 Response body parameters

Parameter	Type	Description
result	String	Operation Result • SUCCESS: success

Status code: 400

Table 3-1125 Response body parameters

Parameter	Type	Description
details	Array of DbssErrorDetail objects	PDP5 authentication exception information
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes

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Parameter	Type	Description
error_msg	String	Error message.

Table 3-1126 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

Status code: 401

Table 3-1127 Response body parameters

Parameter	Type	Description
details	Array of **DbssErrorDetail** objects	PDP5 authentication exception information
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes
error_msg	String	Error message.

Table 3-1128 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

Status code: 403

Table 3-1129 Response body parameters

Parameter	Type	Description
details	Array of **DbssErrorDetail** objects	PDP5 authentication exception information

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Parameter	Type	Description
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes
error_msg	String	Error message.

Table 3-1130 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

Status code: 500

Table 3-1131 Response body parameters

Parameter	Type	Description
details	Array of DbssErrorDetail objects	PDP5 authentication exception information
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes
error_msg	String	Error message.

Table 3-1132 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

Example Requests

/v1/{project_id}/audit/{instance_id}/backup/{id}/retry

Example Responses

Status code: 200

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OK

```
{
  "result" : "SUCCESS"
}
```

Status Codes

Status Code	Description
200	OK
400	Invalid request parameter.
401	Authorization failed.
403	Unauthorized
500	Server error.

Error Codes

See **Error Codes**.

3.14.5 Restoring Backup Information

Function

Restore backup information.

URI

POST /v1/{project_id}/audit/{instance_id}/backup/{id}/restore

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Table 3-1133 Path Parameters

Parameter	Mandatory	Type	Description
project_id	Yes	String	**Definition** Project ID. You can obtain the value by calling the IAM API for [querying the project list of a specified IAM user]. **Constraints** N/A **Range** The value is determined by the value of the IAM API. The value contains 32 to 64 characters. **Default Value** N/A
instance_id	Yes	String	**Definition** Instance ID. The value can be obtained from the ID field of the API for querying the instance list. **Constraints** N/A **Range** The value is determined by the value of the API for querying the instance list. The value contains 32 to 64 characters. **Default Value** N/A
id	Yes	String	**Definition** Backup ID. You can obtain the value by obtaining the IDs of all backup interfaces. **Constraints** N/A **Range** Obtain the values of all backup interfaces. The value is a string of 16 to 64 characters. **Default Value** N/A

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Request Parameters

Table 3-1134 Request header parameters

Parameter	Mandatory	Type	Description
X-Auth-Token	Yes	String	**Definition** User token. You can obtain the token by calling the IAM API used to query the user token. The token is the value of X-Subject-Token in the response header. **Constraints** N/A **Range** Determined by the value of the IAM API used for querying user tokens. **Default Value** N/A

Response Parameters

Status code: 200

Table 3-1135 Response body parameters

Parameter	Type	Description
result	String	Operation Result • SUCCESS: success

Status code: 400

Table 3-1136 Response body parameters

Parameter	Type	Description
details	Array of DbssErrorDetail objects	PDP5 authentication exception information
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes

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Parameter	Type	Description
error_msg	String	Error message.

Table 3-1137 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

Status code: 401

Table 3-1138 Response body parameters

Parameter	Type	Description
details	Array of **DbssErrorDetail** objects	PDP5 authentication exception information
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes
error_msg	String	Error message.

Table 3-1139 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

Status code: 403

Table 3-1140 Response body parameters

Parameter	Type	Description
details	Array of **DbssErrorDetail** objects	PDP5 authentication exception information

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Parameter	Type	Description
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes
error_msg	String	Error message.

Table 3-1141 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

Status code: 500

Table 3-1142 Response body parameters

Parameter	Type	Description
details	Array of DbssErrorDetail objects	PDP5 authentication exception information
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes
error_msg	String	Error message.

Table 3-1143 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

Example Requests

/v1/{project_id}/audit/{instance_id}/backup/{id}/restore

Example Responses

Status code: 200

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OK

```
{
  "result" : "SUCCESS"
}
```

Status Codes

Status Code	Description
200	OK
400	Invalid request parameter.
401	Authorization failed.
403	Unauthorized
500	Server error.

Error Codes

See **Error Codes**.

3.14.6 Select an OBS bucket for backup or risk export.

Function

Select an OBS bucket for backup or risk export.

URI

GET /v2/{project_id}/audit/backup/obs-buckets

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Table 3-1144 Path Parameters

Parameter	Mandatory	Type	Description
project_id	Yes	String	**Definition**: Project ID. You can obtain the value by calling the IAM API for querying the project list of a specified IAM user. **Constraints** N/A **Range**: The value is subject to the return value of the IAM service interface. The value contains 32 to 64 characters. **Default Value**: N/A

Request Parameters

Table 3-1145 Request header parameters

Parameter	Mandatory	Type	Description
X-Auth-Token	Yes	String	**Definition**: User token. You can obtain the token by calling the IAM API used to query the user token. The token is the value of X-Subject-Token in the response header. **Constraints** N/A **Range**: The value is subject to the user token query interface of the IAM service. **Default Value**: N/A

Response Parameters

Status code: 200

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Table 3-1146 Response body parameters

Parameter	Type	Description
obs_list	Array of **ObsBucketObject** objects	OBS bucket list

Table 3-1147 ObsBucketObject

Parameter	Type	Description
bucket_name	String	Bucket Name
location	String	the region where the bucket is located

Status code: 400

Table 3-1148 Response body parameters

Parameter	Type	Description
details	Array of **DbssErrorDetail** objects	PDP5 authentication exception information
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes
error_msg	String	Error message.

Table 3-1149 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

Status code: 401

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Table 3-1150 Response body parameters

Parameter	Type	Description
details	Array of **DbssErrorDetail** objects	PDP5 authentication exception information
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes
error_msg	String	Error message.

Table 3-1151 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

Status code: 403

Table 3-1152 Response body parameters

Parameter	Type	Description
details	Array of **DbssErrorDetail** objects	PDP5 authentication exception information
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes
error_msg	String	Error message.

Table 3-1153 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

Status code: 500

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Table 3-1154 Response body parameters

Parameter	Type	Description
details	Array of DbssErrorDetail objects	PDP5 authentication exception information
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes
error_msg	String	Error message.

Table 3-1155 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

Example Requests

/v2/{project_id}/audit/backup/obs-buckets

Example Responses

Status code: 200

OK

```
{
  "obs_list" : [ {
    "bucket_name" : "1202",
    "location" : "cn-north-7"
  }, {
    "bucket_name" : "aosblueprints-cn-north-7-7b01ab6853d54b0a86a95a1ca6fb06b2",
    "location" : "cn-north-7"
  } ]
}
```

Status Codes

Status Code	Description
200	OK
400	Invalid request parameter.
401	Authorization failed.
403	Unauthorized

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Status Code	Description
500	Server error.

Error Codes

See **Error Codes**.

3.14.7 Deleting a Specified Backup Task

Function

Delete a specified backup task.

URI

DELETE /v1/{project_id}/audit/{instance_id}/backups/{id}

Table 3-1156 Path Parameters

Parameter	Mandatory	Type	Description
project_id	Yes	String	**Definition** Project ID. You can obtain the value by calling the IAM API for [querying the project list of a specified IAM user]. **Constraints** N/A **Range** The value is determined by the value of the IAM API. The value contains 32 to 64 characters. **Default Value** N/A

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Parameter	Mandatory	Type	Description
instance_id	Yes	String	**Definition** Instance ID. The value can be obtained from the ID field of the API for querying the instance list. **Constraints** N/A **Range** The value is determined by the value of the API for querying the instance list. The value contains 32 to 64 characters. **Default Value** N/A
id	Yes	String	**Definition** Backup ID. You can obtain the value by obtaining the IDs of all backup interfaces. **Constraints** N/A **Range** Obtain the values of all backup interfaces. The value is a string of 16 to 64 characters. **Default Value** N/A

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Request Parameters

Table 3-1157 Request header parameters

Parameter	Mandatory	Type	Description
X-Auth-Token	Yes	String	**Definition** User token. You can obtain the token by calling the IAM API used to query the user token. The token is the value of X-Subject-Token in the response header. **Constraints** N/A **Range** Determined by the value of the IAM API used for querying user tokens. **Default Value** N/A

Response Parameters

Status code: 200

Table 3-1158 Response body parameters

Parameter	Type	Description
result	String	Operation Result • SUCCESS: success

Status code: 400

Table 3-1159 Response body parameters

Parameter	Type	Description
details	Array of DbssErrorDetail objects	PDP5 authentication exception information
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes

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Parameter	Type	Description
error_msg	String	Error message.

Table 3-1160 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

Status code: 401

Table 3-1161 Response body parameters

Parameter	Type	Description
details	Array of **DbssErrorDetail** objects	PDP5 authentication exception information
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes
error_msg	String	Error message.

Table 3-1162 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

Status code: 403

Table 3-1163 Response body parameters

Parameter	Type	Description
details	Array of **DbssErrorDetail** objects	PDP5 authentication exception information

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Parameter	Type	Description
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes
error_msg	String	Error message.

Table 3-1164 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

Status code: 500

Table 3-1165 Response body parameters

Parameter	Type	Description
details	Array of DbssErrorDetail objects	PDP5 authentication exception information
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes
error_msg	String	Error message.

Table 3-1166 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

Example Requests

/v1/{project_id}/audit/{instance_id}/backups/{id}

Example Responses

Status code: 200

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OK

```
{
  "result" : "SUCCESS"
}
```

Status Codes

Status Code	Description
200	OK
400	Invalid request parameter.
401	Authorization failed.
403	Unauthorized
500	Server error.

Error Codes

See **Error Codes**.

3.14.8 Obtaining Backup Configuration

Function

Set backup configuration information.

URI

GET /v1/{project_id}/audit/{instance_id}/backup/template

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Table 3-1167 Path Parameters

Parameter	Mandatory	Type	Description
project_id	Yes	String	**Definition** Project ID. You can obtain the value by calling the IAM API for [querying the project list of a specified IAM user]. **Constraints** N/A **Range** The value is determined by the value of the IAM API. The value contains 32 to 64 characters. **Default Value** N/A
instance_id	Yes	String	**Definition** Instance ID. The value can be obtained from the ID field of the API for querying the instance list. **Constraints** N/A **Range** The value is determined by the value of the API for querying the instance list. The value contains 32 to 64 characters. **Default Value** N/A

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Request Parameters

Table 3-1168 Request header parameters

Parameter	Mandatory	Type	Description
X-Auth-Token	Yes	String	**Definition** User token. The token can be queried by calling the IAM API. (The token is the value of X-Subject-Token in the response header.) **Constraints** N/A **Range** Determined by the value of the IAM API used for querying user tokens. **Default Value** N/A

Response Parameters

Status code: 200

Table 3-1169 Response body parameters

Parameter	Type	Description
bucket_name	String	OBS Bucket Name
bucket_root_path	String	OBS backup root path
cycle	String	Period • PER_DAY: every day • PER_WEEK: weekly • PER_MONTH: monthly • PER_HOUR: every hour • FIVE_MIN: every 5 minutes
latest_backup_time	String	Last Backup Time
status	Integer	Backup • 0: disabled • 1: enabled
trigger_time	String	Trigger time

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Parameter	Type	Description
triggered	Boolean	Triggered or Not

Status code: 400

Table 3-1170 Response body parameters

Parameter	Type	Description
details	Array of **DbssErrorDetail** objects	PDP5 authentication exception information
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes
error_msg	String	Error message.

Table 3-1171 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

Status code: 401

Table 3-1172 Response body parameters

Parameter	Type	Description
details	Array of **DbssErrorDetail** objects	PDP5 authentication exception information
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes
error_msg	String	Error message.

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Table 3-1173 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

Status code: 403

Table 3-1174 Response body parameters

Parameter	Type	Description
details	Array of DbssErrorDetail objects	PDP5 authentication exception information
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes
error_msg	String	Error message.

Table 3-1175 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

Status code: 500

Table 3-1176 Response body parameters

Parameter	Type	Description
details	Array of DbssErrorDetail objects	PDP5 authentication exception information
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes
error_msg	String	Error message.

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Table 3-1177 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

Example Requests

```
/v1/{project_id}/audit/{instance_id}/backup/template
```

Example Responses

Status code: 200

OK

```
{
  "id" : null,
  "cycle" : "PER_HOUR",
  "trigger_time" : "2025-08-21 02:15:44",
  "triggered" : false,
  "latest_backup_time" : null,
  "status" : 1,
  "bucket_name" : "cbh-ynf",
  "bucket_root_path" : ""
}
```

Status Codes

Status Code	Description
200	OK
400	Invalid request parameter.
401	Authorization failed.
403	Unauthorized
500	Server error.

Error Codes

See **Error Codes**.

3.15 Risk Data Export

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3.15.1 Modifying the Name and Path of the Risk Export Bucket (by Domain ID)

Function

Modify the name and path of the risk export bucket (by domain ID).

URI

POST /v1/{domain_id}/audit/{instance_id}/backup/risk/global/bucket-path

Table 3-1178 Path Parameters

Parameter	Mandatory	Type	Description
domain_id	Yes	String	**Definition** Account ID. Obtain the value by calling the IAM API for querying IAM user details. **Constraints** N/A **Range** Determined by the value of the IAM API used for [querying user tokens]. **Default Value** N/A
instance_id	Yes	String	**Definition** Instance ID. The value can be obtained from the ID field of the API for querying the instance list. **Constraints** N/A **Range** The value is determined by the value of the API for querying the instance list. The value contains 32 to 64 characters. **Default Value** N/A

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Request Parameters

Table 3-1179 Request header parameters

Parameter	Mandatory	Type	Description
X-Auth-Token	Yes	String	**Definition** User token. You can obtain the token by calling the IAM API used to query the user token. The token is the value of X-Subject-Token in the response header. **Constraints** N/A **Range** Determined by the value of the IAM API used for querying user tokens. **Default Value** N/A

Table 3-1180 Request body parameters

Parameter	Mandatory	Type	Description
backup_domain_id	No	String	DomainID
bucket_name	Yes	String	OBS Bucket Name
bucket_root_path	No	String	Root path of the OBS bucket

Response Parameters

Status code: 200

Table 3-1181 Response body parameters

Parameter	Type	Description
result	String	Operation Result • SUCCESS: success

Status code: 400

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Table 3-1182 Response body parameters

Parameter	Type	Description
details	Array of **DbssErrorDetail** objects	PDP5 authentication exception information
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes
error_msg	String	Error message.

Table 3-1183 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

Status code: 401

Table 3-1184 Response body parameters

Parameter	Type	Description
details	Array of **DbssErrorDetail** objects	PDP5 authentication exception information
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes
error_msg	String	Error message.

Table 3-1185 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

Status code: 403

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Table 3-1186 Response body parameters

Parameter	Type	Description
details	Array of **DbssErrorDetail** objects	PDP5 authentication exception information
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes
error_msg	String	Error message.

Table 3-1187 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

Status code: 500

Table 3-1188 Response body parameters

Parameter	Type	Description
details	Array of **DbssErrorDetail** objects	PDP5 authentication exception information
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes
error_msg	String	Error message.

Table 3-1189 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

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Example Requests

```
/v1/{domain_id}/audit/{instance_id}/backup/risk/global/bucket-path

{
  "backup_domain_id" : "",
  "bucket_name" : "cbh-ynf",
  "bucket_root_path" : ""
}
```

Example Responses

Status code: 200

OK

```
{
  "result" : "SUCCESS"
}
```

Status Codes

Status Code	Description
200	OK
400	Invalid request parameter.
401	Authorization failed.
403	Unauthorized
500	Server error.

Error Codes

See **Error Codes**.

3.15.2 Obtaining the Risk Export Configuration List

Function

Obtain the risk export configuration list.

URI

GET /v1/{project_id}/audit/{instance_id}/backup/risk/templates

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Table 3-1190 Path Parameters

Parameter	Mandatory	Type	Description
project_id	Yes	String	**Definition** Project ID. You can obtain the value by calling the IAM API for [querying the project list of a specified IAM user]. **Constraints** N/A **Range** The value is determined by the value of the IAM API. The value contains 32 to 64 characters. **Default Value** N/A
instance_id	Yes	String	**Definition** Instance ID. The value can be obtained from the ID field of the API for querying the instance list. **Constraints** N/A **Range** The value is determined by the value of the API for querying the instance list. The value contains 32 to 64 characters. **Default Value** N/A

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Request Parameters

Table 3-1191 Request header parameters

Parameter	Mandatory	Type	Description
X-Auth-Token	Yes	String	**Definition** User token. You can obtain the token by calling the IAM API used to query the user token. The token is the value of X-Subject-Token in the response header. **Constraints** N/A **Range** Determined by the value of the IAM API used for querying user tokens. **Default Value** N/A

Response Parameters

Status code: 200

Table 3-1192 Response body parameters

Parameter	Type	Description
templates	Array of **RiskBackupTemplateBean** objects	Configuration List

Table 3-1193 RiskBackupTemplateBean

Parameter	Type	Description
db_id	String	The database record ID.
db_ip	String	Database IP address
db_name	String	Database name
db_port	Integer	Database Port
id	String	Configuration ID

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Parameter	Type	Description
status	Integer	Alarm status. • 0: disabled • 1: enabled

Status code: 400

Table 3-1194 Response body parameters

Parameter	Type	Description
details	Array of **DbssErrorDetail** objects	PDP5 authentication exception information
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes
error_msg	String	Error message.

Table 3-1195 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

Status code: 401

Table 3-1196 Response body parameters

Parameter	Type	Description
details	Array of **DbssErrorDetail** objects	PDP5 authentication exception information
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes
error_msg	String	Error message.

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Table 3-1197 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

Status code: 403

Table 3-1198 Response body parameters

Parameter	Type	Description
details	Array of **DbssErrorDetail** objects	PDP5 authentication exception information
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes
error_msg	String	Error message.

Table 3-1199 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

Status code: 500

Table 3-1200 Response body parameters

Parameter	Type	Description
details	Array of **DbssErrorDetail** objects	PDP5 authentication exception information
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes
error_msg	String	Error message.

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Table 3-1201 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

Example Requests

/v1/{project_id}/audit/{instance_id}/backup/risk/templates

Example Responses

Status code: 200

OK

```
{
  "templates" : [ {
    "id" : null,
    "status" : 0,
    "db_id" : "twS8v5gBhN3UjKKcoyJ6",
    "db_ip" : "10.0.2.3",
    "db_name" : "pgtest",
    "db_port" : 5300
  }, {
    "id" : null,
    "status" : 0,
    "db_id" : "UAQ2xZgBhN3UjKKchSay",
    "db_ip" : "192.168.1.62",
    "db_name" : "rds-chen2025",
    "db_port" : 5432
  }, {
    "id" : null,
    "status" : 0,
    "db_id" : "4YF4Y5gBzqyXNYgsjgsC",
    "db_ip" : "122.24.4.52",
    "db_name" : "testmu",
    "db_port" : 1
  } ]
}
```

Status Codes

Status Code	Description
200	OK
400	Invalid request parameter.
401	Authorization failed.
403	Unauthorized
500	Server error.

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Error Codes

See **Error Codes**.

3.15.3 Obtaining the Export Configuration of a Single Risk

Function

Obtain the export configuration of a single risk.

URI

GET /v1/{project_id}/audit/{instance_id}/backup/risk/template/{db_id}

Table 3-1202 Path Parameters

Parameter	Mandatory	Type	Description
project_id	Yes	String	**Definition** Project ID. You can obtain the value by calling the IAM API for [querying the project list of a specified IAM user]. **Constraints** N/A **Range** The value is determined by the value of the IAM API. The value contains 32 to 64 characters. **Default Value** N/A
instance_id	Yes	String	**Definition** Instance ID. The value can be obtained from the ID field of the API for querying the instance list. **Constraints** N/A **Range** The value is determined by the value of the API for querying the instance list. The value contains 32 to 64 characters. **Default Value** N/A

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Parameter	Mandatory	Type	Description
db_id	Yes	String	**Definition** Database ID. You can obtain the value from the db_id field in the risk export configuration list. **Constraints** N/A **Range** The value is determined by the value of the API for obtaining the risk export configuration list. The value is a string of 16 to 64 characters. **Default Value** N/A

Request Parameters

Table 3-1203 Request header parameters

Parameter	Mandatory	Type	Description
X-Auth-Token	Yes	String	**Definition** User token. The token can be queried by calling the IAM API. (The token is the value of X-Subject-Token in the response header.) **Constraints** N/A **Range** Determined by the value of the IAM API used for querying user tokens. **Default Value** N/A

Response Parameters

Status code: 200

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Table 3-1204 Response body parameters

Parameter	Type	Description
db_id	String	The database record ID.
db_ip	String	Database IP address
db_name	String	Database name
db_port	Integer	Database Port
id	String	Configuration ID
status	Integer	Alarm status. • 0: disabled • 1: enabled

Status code: 400

Table 3-1205 Response body parameters

Parameter	Type	Description
details	Array of **DbssErrorDetail** objects	PDP5 authentication exception information
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes
error_msg	String	Error message.

Table 3-1206 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

Status code: 401

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Table 3-1207 Response body parameters

Parameter	Type	Description
details	Array of **DbssErrorDetail** objects	PDP5 authentication exception information
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes
error_msg	String	Error message.

Table 3-1208 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

Status code: 403

Table 3-1209 Response body parameters

Parameter	Type	Description
details	Array of **DbssErrorDetail** objects	PDP5 authentication exception information
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes
error_msg	String	Error message.

Table 3-1210 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

Status code: 500

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Table 3-1211 Response body parameters

Parameter	Type	Description
details	Array of DbssErrorDetail objects	PDP5 authentication exception information
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes
error_msg	String	Error message.

Table 3-1212 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

Example Requests

```
/v1/{project_id}/audit/{instance_id}/backup/risk/template/{db_id}
```

Example Responses

Status code: 200

OK

```
{
  "id" : "_QS6ypgBhN3UjKKcnymn",
  "status" : 1,
  "db_id" : "twS8v5gBhN3UjKKcoyJ6",
  "db_ip" : "10.0.2.3",
  "db_name" : "pgtest",
  "db_port" : 5300
}
```

Status Codes

Status Code	Description
200	OK
400	Invalid request parameter.
401	Authorization failed.
403	Unauthorized

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Status Code	Description
500	Server error.

Error Codes

See **Error Codes**.

3.15.4 Obtaining the Name and Path of the Risk Export Bucket

Function

Obtain the name and path of the risk export bucket.

URI

GET /v1/{project_id}/audit/{instance_id}/backup/risk/bucket-path

Table 3-1213 Path Parameters

Parameter	Mandatory	Type	Description
project_id	Yes	String	Project ID
instance_id	Yes	String	**Definition** Instance ID. The value can be obtained from the ID field of the API for querying the instance list. **Constraints** N/A **Range** The value is determined by the value of the API for querying the instance list. The value contains 32 to 64 characters. **Default Value** N/A

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Request Parameters

Table 3-1214 Request header parameters

Parameter	Mandatory	Type	Description
X-Auth-Token	Yes	String	**Definition** User token. You can obtain the token by calling the IAM API used to query the user token. The token is the value of X-Subject-Token in the response header. **Constraints** N/A **Range** Determined by the value of the IAM API used for querying user tokens. **Default Value** N/A

Response Parameters

Status code: 200

Table 3-1215 Response body parameters

Parameter	Type	Description
backup_domain_id	String	DomainID
bucket_name	String	OBS Bucket Name
bucket_root_path	String	Root path of the OBS bucket

Status code: 400

Table 3-1216 Response body parameters

Parameter	Type	Description
details	Array of **DbssErrorDetail** objects	PDP5 authentication exception information

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Parameter	Type	Description
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes
error_msg	String	Error message.

Table 3-1217 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

Status code: 401

Table 3-1218 Response body parameters

Parameter	Type	Description
details	Array of **DbssErrorDetail** objects	PDP5 authentication exception information
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes
error_msg	String	Error message.

Table 3-1219 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

Status code: 403

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Table 3-1220 Response body parameters

Parameter	Type	Description
details	Array of **DbssErrorDetail** objects	PDP5 authentication exception information
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes
error_msg	String	Error message.

Table 3-1221 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

Status code: 500

Table 3-1222 Response body parameters

Parameter	Type	Description
details	Array of **DbssErrorDetail** objects	PDP5 authentication exception information
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes
error_msg	String	Error message.

Table 3-1223 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

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Example Requests

/v1/{project_id}/audit/{instance_id}/backup/risk/bucket-path

Example Responses

Status code: 200

OK

```
{
  "bucket_name" : "cbh-ynf",
  "bucket_root_path" : ""
}
```

Status Codes

Status Code	Description
200	OK
400	Invalid request parameter.
401	Authorization failed.
403	Unauthorized
500	Server error.

Error Codes

See **Error Codes**.

3.15.5 Risk Export Switch (by Domain ID)

Function

Risk export switch (by domain ID).

URI

POST /v1/{domain_id}/audit/{instance_id}/backup/risk/switch

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Table 3-1224 Path Parameters

Parameter	Mandatory	Type	Description
domain_id	Yes	String	**Definition** Account ID. Obtain the value by calling the IAM API for querying IAM user details. **Constraints** N/A **Range** Determined by the value of the IAM API used for [querying user tokens]. **Default Value** N/A
instance_id	Yes	String	**Definition** Instance ID. The value can be obtained from the ID field of the API for querying the instance list. **Constraints** N/A **Range** The value is determined by the value of the API for querying the instance list. The value contains 32 to 64 characters. **Default Value** N/A

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Request Parameters

Table 3-1225 Request header parameters

Parameter	Mandatory	Type	Description
X-Auth-Token	Yes	String	**Definition** User token. The token can be queried by calling the IAM API. (The token is the value of X-Subject-Token in the response header.) **Constraints** N/A **Range** Determined by the value of the IAM API used for querying user tokens. **Default Value** N/A

Table 3-1226 Request body parameters

Parameter	Mandatory	Type	Description
cycle	No	String	Backup Cycle • PER_DAY: every day • PER_WEEK: weekly • PER_MONTH: monthly • PER_HOUR: every hour • FIVE_MIN: every 5 minutes
db_id	Yes	String	The database record ID.
status	Yes	Integer	Backup • 0: disabled • 1: enabled

Response Parameters

Status code: 200

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Table 3-1227 Response body parameters

Parameter	Type	Description
result	String	Operation Result • SUCCESS: success

Status code: 400

Table 3-1228 Response body parameters

Parameter	Type	Description
details	Array of **DbssErrorDetail** objects	PDP5 authentication exception information
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes
error_msg	String	Error message.

Table 3-1229 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

Status code: 401

Table 3-1230 Response body parameters

Parameter	Type	Description
details	Array of **DbssErrorDetail** objects	PDP5 authentication exception information
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes
error_msg	String	Error message.

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Table 3-1231 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

Status code: 403

Table 3-1232 Response body parameters

Parameter	Type	Description
details	Array of **DbssErrorDetail** objects	PDP5 authentication exception information
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes
error_msg	String	Error message.

Table 3-1233 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

Status code: 500

Table 3-1234 Response body parameters

Parameter	Type	Description
details	Array of **DbssErrorDetail** objects	PDP5 authentication exception information
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes
error_msg	String	Error message.

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Table 3-1235 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

Example Requests

```
/v1/{domain_id}/audit/{instance_id}/backup/risk/switch

{
  "db_id" : "twS8v5gBhN3UjKKcoyJ6",
  "status" : 1
}
```

Example Responses

Status code: 200

OK

```
{
  "result" : "SUCCESS"
}
```

Status Codes

Status Code	Description
200	OK
400	Invalid request parameter.
401	Authorization failed.
403	Unauthorized
500	Server error.

Error Codes

See **Error Codes**.

3.16 Enhanced O&M Management

3.16.1 Obtaining Database O&M Cluster Instances

Function

Obtaining Database O&M Cluster Instances

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URI

POST /v2/{project_id}/db-om/instances

Table 3-1236 Path Parameters

Parameter	Mandatory	Type	Description
project_id	Yes	String	** Parameter description**: Specifies the project ID. You can obtain the value by calling the IAM API for querying the project list of a specified IAM user. ** Restrictions**: N/A ** Value range**: The value is subject to the return value of the IAM service interface. The value contains 32 to 64 characters. ** Default value**: N/A

Request Parameters

Table 3-1237 Request header parameters

Parameter	Mandatory	Type	Description
X-Auth-Token	Yes	String	** Parameter description**: User token. You can obtain the token by calling the IAM API used to query the user token. The token is the value of X-Subject-Token in the response header. ** Restrictions**: N/A ** Value range**: Used by the IAM service to query the user token. ** Default value**: N/A

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Response Parameters

Status code: 200

Table 3-1238 Response body parameters

Parameter	Type	Description
clusters	Array of **Cluster** objects	Instances

Table 3-1239 Cluster

Parameter	Type	Description
activate_info	**InstanceActivateInfo** object	Instance activation information
charge_model	String	Billing mode. The options are as follows: • Period: yearly/monthly • Demand: on-demand
comment	String	Remarks.
created	Long	Creation time.
deploy_mode	String	Deployment Mode • CLOUD: cloud • OUTSIDE: outside the cloud
detail	**ServerList** object	Service list
enterprise_project_id	String	Enterprise project ID
expired	Long	Expiration time
float_ip	String	Floating IP Address
instance_id	String	Instance ID
is_active_standby	Boolean	Whether to activate the standby
keep_days	String	Days
name	String	Instance name
new_version	String	Latest Version
public_ip	String	Public IP address
remain_days	String	Remaining period (days)

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Table 3-1240 InstanceActivateInfo

Parameter	Type	Description
dsc_proxy_domain_name	String	Proxy Domain Name
dsc_proxy_ip	String	Proxy IP Address
dsc_proxy_port	Integer	Proxy Port
master_node_id	String	Master Node ID
slave_node_id	String	Standby Node ID

Table 3-1241 ServerList

Parameter	Type	Description
server	Array of **ResponseServer** objects	Server list.
total	Integer	Quantity

Table 3-1242 ResponseServer

Parameter	Type	Description
connect_ip	String	Connection IP address.
cpu	String	CPUs
created	String	Creation time.
description	String	Description
effect	Integer	Instance frozen status. The value can be: • 1: frozen and can be released (default) • 2: frozen and cannot be released • 3: Frozen accounts cannot be renewed.
instance_id	String	Instance ID
is_active	Integer	Indicates whether an instance is a primary or standby instance in HA mode. -0: primary instance; -1: standby instance
name	String	Instance name

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Parameter	Type	Description
ram	String	Memory Size
region	String	Region
resource_spec_code	String	Instance specification code
scene	String	Frozen scenario - POLICE: frozen by the public security department - ILLEGAL: frozen due to violation - VERIFY: frozen due to non-real-name authentication - PARTNER: frozen due to partners - ARREAR: frozen due to common reasons
security_group_id	String	Security group ID.
specification	String	Resource specification type code.
status	String	Instance Status
subnet_id	String	Subnet ID
task_status	String	Instance processing status
update_status	String	Upgrade status • SUCCESS: success • FAILED: failed • **UPGRADING**: The instance is being upgraded.
version	String	Version
vpc_id	String	VPC ID
zone	String	Region
server_id	String	Server ID

Status code: 400

Table 3-1243 Response body parameters

Parameter	Type	Description
details	Array of **DbssErrorDetail** objects	PDP5 authentication exception information
encoded_authorization_message	String	PDP5 authentication exception information

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Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	Error message.

Table 3-1244 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

Status code: 401

Table 3-1245 Response body parameters

Parameter	Type	Description
details	Array of DbssErrorDetail objects	PDP5 authentication exception information
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes
error_msg	String	Error message.

Table 3-1246 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

Status code: 403

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Table 3-1247 Response body parameters

Parameter	Type	Description
details	Array of **DbssErrorDetail** objects	PDP5 authentication exception information
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes
error_msg	String	Error message.

Table 3-1248 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

Status code: 500

Table 3-1249 Response body parameters

Parameter	Type	Description
details	Array of **DbssErrorDetail** objects	PDP5 authentication exception information
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes
error_msg	String	Error message.

Table 3-1250 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

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Example Requests

/v2/{project_id}/db-om/instances

Example Responses

Status code: 200

OK


```
{
  "clusters" : [ {
    "name" : "DBSS-OM0819",
    "created" : 1755594767000,
    "expired" : 1758268799000,
    "comment" : null,
    "detail" : {
      "total" : 2,
      "server" : [ {
        "name" : "DBSS-OM0819-HA-1",
        "description" : null,
        "status" : "ACTIVE",
        "specification" : "dbss.opsmgmt.high",
        "zone" : "cn-north-7c",
        "created" : "2025-08-19 17:04:00",
        "cpu" : "8",
        "ram" : "16384",
        "region" : "cn-north-7",
        "version" : "2.0",
        "effect" : null,
        "scene" : null,
        "instance_id" : "a8c37c9be61ffd4ee8aacab7bae74e91",
        "connect_ip" : "10.0.169.77",
        "task_status" : "NO_TASK",
        "server_id" : "24307773-2399-495a-a6ad-5159b4bb6a43",
        "vpc_id" : "21f3dac4-f460-4173-ba5e-cb7a0d528605",
        "subnet_id" : "cbed162e-045a-4afd-aa2b-0da11219989c",
        "security_group_id" : "9e033f2d-04a5-4bdc-858e-17e31599d052",
        "resource_spec_code" : "dbss.opsmgmt.high",
        "update_status" : null,
        "is_active" : 1
      }, {
        "name" : "DBSS-OM0819-HA-2",
        "description" : null,
        "status" : "ACTIVE",
        "specification" : "dbss.opsmgmt.high",
        "zone" : "cn-north-7c",
        "created" : "2025-08-19 17:04:00",
        "cpu" : "8",
        "ram" : "16384",
        "region" : "cn-north-7",
        "version" : "2.0",
        "effect" : null,
        "scene" : null,
        "instance_id" : "a8c37c9be61ffd4ee8aacab7bae74e91",
        "connect_ip" : "10.0.9.187",
        "task_status" : "NO_TASK",
        "server_id" : "df392d71-f504-411e-b336-ad98dcfacad1",
        "vpc_id" : "21f3dac4-f460-4173-ba5e-cb7a0d528605",
        "subnet_id" : "cbed162e-045a-4afd-aa2b-0da11219989c",
        "security_group_id" : "9e033f2d-04a5-4bdc-858e-17e31599d052",
        "resource_spec_code" : "dbss.opsmgmt.high",
        "update_status" : null,
        "is_active" : 0
      } ]
    },
    "instance_id" : "a8c37c9be61ffd4ee8aacab7bae74e91",
    "float_ip" : "10.0.148.95",
    "charge_model" : "Period",
```


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```
    "remain_days" : "31",
    "keep_days" : "33",
    "new_version" : null,
    "enterprise_project_id" : "0",
    "public_ip" : "100.85.120.66",
    "is_active_standby" : true,
    "deploy_mode" : "CLOUD",
    "activate_info" : null
  } ]
}
```


Status Codes

Status Code	Description
200	OK
400	Invalid request parameter.
401	Authorization failed.
403	Unauthorized
500	Server error.

Error Codes

See **Error Codes**.

3.16.2 Changing the Name of a Database O&M Instance

Function

This API is used to change the name of a database O&M instance.

URI

PUT /v1/{project_id}/db-om/{instance_id}/name

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Table 3-1251 Path Parameters

Parameter	Mandatory	Type	Description
project_id	Yes	String	**Definition**: Project ID. You can obtain the value by calling the IAM API for querying the project list of a specified IAM user. **Constraints** N/A **Range**: The value is subject to the return value of the IAM service interface. The value contains 32 to 64 characters. **Default Value**: N/A
instance_id	Yes	String	**Definition**: Instance ID. The value can be obtained from the ID field of the API for querying the instance list. **Constraints** N/A **Range**: The value is subject to the value of the API for querying the instance list. The value contains 32 to 64 characters. **Default Value**: N/A

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Request Parameters

Table 3-1252 Request header parameters

Parameter	Mandatory	Type	Description
X-Auth-Token	Yes	String	**Definition**: User token. You can obtain the token by calling the IAM API used to query the user token. The token is the value of X-Subject-Token in the response header. **Constraints** N/A **Range**: The value is subject to the user token query interface of the IAM service. **Default Value**: N/A

Table 3-1253 Request body parameters

Parameter	Mandatory	Type	Description
new_name	Yes	String	Entering a new name

Response Parameters

Status code: 200

Table 3-1254 Response body parameters

Parameter	Type	Description
result	String	Operation Result • success: Request succeeded • failed: failed

Status code: 400

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Table 3-1255 Response body parameters

Parameter	Type	Description
details	Array of **DbssErrorDetail** objects	PDP5 authentication exception information
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes
error_msg	String	Error message.

Table 3-1256 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

Status code: 401

Table 3-1257 Response body parameters

Parameter	Type	Description
details	Array of **DbssErrorDetail** objects	PDP5 authentication exception information
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes
error_msg	String	Error message.

Table 3-1258 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

Status code: 403

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Table 3-1259 Response body parameters

Parameter	Type	Description
details	Array of **DbssErrorDetail** objects	PDP5 authentication exception information
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes
error_msg	String	Error message.

Table 3-1260 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

Status code: 500

Table 3-1261 Response body parameters

Parameter	Type	Description
details	Array of **DbssErrorDetail** objects	PDP5 authentication exception information
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes
error_msg	String	Error message.

Table 3-1262 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

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Example Requests

```
/v1/{project_id}/db-om/{instance_id}/name

{
  "new_name" : "DBSS-guanghua0825"
}
```

Example Responses

Status code: 200

OK

```
{
  "result" : "success"
}
```

Status Codes

Status Code	Description
200	OK
400	Invalid request parameter.
401	Authorization failed.
403	Unauthorized
500	Server error.

Error Codes

See **Error Codes**.

3.16.3 Unbinding an EIP from a Database O&M Instance

Function

This API is used to unbind an EIP from a database O&M instance.

URI

POST /v1/{project_id}/db-om/{instance_id}/eip/unbind

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Table 3-1263 Path Parameters

Parameter	Mandatory	Type	Description
project_id	Yes	String	**Definition**: Project ID. You can obtain the value by calling the IAM API for querying the project list of a specified IAM user. **Constraints** N/A **Range**: The value is subject to the return value of the IAM service interface. The value contains 32 to 64 characters. **Default Value**: N/A
instance_id	Yes	String	** Parameter description**: Instance ID. The value can be obtained from the ID field of the API for querying the instance list. **Constraints** N/A **Range**: The value is subject to the value of the API for querying the instance list. The value contains 32 to 64 characters. **Default Value**: N/A

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Request Parameters

Table 3-1264 Request header parameters

Parameter	Mandatory	Type	Description
X-Auth-Token	Yes	String	**Definition**: User token. You can obtain the token by calling the IAM API used to query the user token. The token is the value of X-Subject-Token in the response header. **Constraints** N/A **Range**: The value is subject to the user token query interface of the IAM service. **Default Value**: N/A

Response Parameters

Status code: 200

Table 3-1265 Response body parameters

Parameter	Type	Description
result	String	Operation Result • success: Request succeeded • failed: failed

Status code: 400

Table 3-1266 Response body parameters

Parameter	Type	Description
details	Array of DbssErrorDetail objects	PDP5 authentication exception information
encoded_authorization_message	String	PDP5 authentication exception information

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Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	Error message.

Table 3-1267 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

Status code: 401

Table 3-1268 Response body parameters

Parameter	Type	Description
details	Array of **DbssErrorDetail** objects	PDP5 authentication exception information
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes
error_msg	String	Error message.

Table 3-1269 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

Status code: 403

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Table 3-1270 Response body parameters

Parameter	Type	Description
details	Array of **DbssErrorDetail** objects	PDP5 authentication exception information
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes
error_msg	String	Error message.

Table 3-1271 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

Status code: 500

Table 3-1272 Response body parameters

Parameter	Type	Description
details	Array of **DbssErrorDetail** objects	PDP5 authentication exception information
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes
error_msg	String	Error message.

Table 3-1273 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

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Example Requests

/v1/{project_id}/db-om/{instance_id}/eip/unbind

Example Responses

Status code: 200

OK

```
{
  "result" : "success"
}
```

Status Codes

Status Code	Description
200	OK
400	Invalid request parameter.
401	Authorization failed.
403	Unauthorized
500	Server error.

Error Codes

See **Error Codes**.

3.16.4 Binding an EIP to a Database O&M Instance

Function

This API is used to bind an EIP to a database O&M instance.

URI

POST /v1/{project_id}/db-om/{instance_id}/eip/bind

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Table 3-1274 Path Parameters

Parameter	Mandatory	Type	Description
project_id	Yes	String	**Definition**: Specifies the project ID. You can obtain the value by calling the IAM API for querying the project list of a specified IAM user. **Constraints** N/A **Range**: The value is subject to the return value of the IAM service interface. The value contains 32 to 64 characters. **Default Value**: N/A
instance_id	Yes	String	**Definition**: Instance ID. The value can be obtained from the ID field of the API for querying the instance list. **Constraints** N/A **Range**: The value is subject to the value of the API for querying the instance list. The value contains 32 to 64 characters. **Default Value**: N/A

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Request Parameters

Table 3-1275 Request header parameters

Parameter	Mandatory	Type	Description
X-Auth-Token	Yes	String	**Definition**: User token. You can obtain the token by calling the IAM API used to query the user token. The token is the value of X-Subject-Token in the response header. **Constraints** N/A ** Value range**: Used by the IAM service to query the user token. ** Default value**: N/A

Table 3-1276 Request body parameters

Parameter	Mandatory	Type	Description
eip	Yes	String	EIP information.
eip_id	Yes	String	EIP ID

Response Parameters

Status code: 200

Table 3-1277 Response body parameters

Parameter	Type	Description
result	String	Operation Result • success: Request succeeded • failed: failed

Status code: 400

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Table 3-1278 Response body parameters

Parameter	Type	Description
details	Array of **DbssErrorDetail** objects	PDP5 authentication exception information
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes
error_msg	String	Error message.

Table 3-1279 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

Status code: 401

Table 3-1280 Response body parameters

Parameter	Type	Description
details	Array of **DbssErrorDetail** objects	PDP5 authentication exception information
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes
error_msg	String	Error message.

Table 3-1281 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

Status code: 403

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Table 3-1282 Response body parameters

Parameter	Type	Description
details	Array of **DbssErrorDetail** objects	PDP5 authentication exception information
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes
error_msg	String	Error message.

Table 3-1283 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

Status code: 500

Table 3-1284 Response body parameters

Parameter	Type	Description
details	Array of **DbssErrorDetail** objects	PDP5 authentication exception information
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes
error_msg	String	Error message.

Table 3-1285 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

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Example Requests

```
/v1/{project_id}/db-om/{instance_id}/eip/bind
```

Example Responses

Status code: 200

OK

```
{
  "result" : "success"
}
```

Status Codes

Status Code	Description
200	OK
400	Invalid request parameter.
401	Authorization failed.
403	Unauthorized
500	Server error.

Error Codes

See **Error Codes**.

3.16.5 Changing the Security Group of a Database O&M Instance

Function

This API is used to change the security group of a database O&M instance.

URI

PUT /v1/{project_id}/db-om/{instance_id}/security-group

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Table 3-1286 Path Parameters

Parameter	Mandatory	Type	Description
project_id	Yes	String	**Definition**: Project ID. You can obtain the value by calling the IAM API for querying the project list of a specified IAM user. **Constraints** N/A **Range**: The value is subject to the return value of the IAM service interface. The value contains 32 to 64 characters. **Default Value**: N/A
instance_id	Yes	String	**Definition**: Instance ID. The value can be obtained from the ID field of the API for querying the instance list. **Constraints** N/A **Range**: The value is subject to the value of the API for querying the instance list. The value contains 32 to 64 characters. **Default Value**: N/A

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Request Parameters

Table 3-1287 Request header parameters

Parameter	Mandatory	Type	Description
X-Auth-Token	Yes	String	**Definition**: User token. You can obtain the token by calling the IAM API used to query the user token. The token is the value of X-Subject-Token in the response header. **Constraints** N/A **Range**: The value is subject to the user token query interface of the IAM service. **Default Value**: N/A

Table 3-1288 Request body parameters

Parameter	Mandatory	Type	Description
security_group_ids	Yes	Array of strings	Security group ID.

Response Parameters

Status code: 200

Table 3-1289 Response body parameters

Parameter	Type	Description
code	Integer	• 0: normal; • other values: abnormal
description	String	Remarks
order_id	String	Specifies the order number.
task_id	String	Task ID

Status code: 400

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Table 3-1290 Response body parameters

Parameter	Type	Description
details	Array of **DbssErrorDetail** objects	PDP5 authentication exception information
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes
error_msg	String	Error message.

Table 3-1291 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

Status code: 401

Table 3-1292 Response body parameters

Parameter	Type	Description
details	Array of **DbssErrorDetail** objects	PDP5 authentication exception information
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes
error_msg	String	Error message.

Table 3-1293 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

Status code: 403

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Table 3-1294 Response body parameters

Parameter	Type	Description
details	Array of **DbssErrorDetail** objects	PDP5 authentication exception information
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes
error_msg	String	Error message.

Table 3-1295 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

Status code: 500

Table 3-1296 Response body parameters

Parameter	Type	Description
details	Array of **DbssErrorDetail** objects	PDP5 authentication exception information
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes
error_msg	String	Error message.

Table 3-1297 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

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Example Requests

```
/v1/{project_id}/db-om/{instance_id}/security-group

{
  "security_group_ids" : [ "9e033f2d-04a5-4bdc-858e-17e31599d052" ]
}
```

Example Responses

Status code: 200

OK

```
{
  "code" : 0
}
```

Status Codes

Status Code	Description
200	OK
400	Invalid request parameter.
401	Authorization failed.
403	Unauthorized
500	Server error.

Error Codes

See **Error Codes**.

3.16.6 Resetting the Password of a Database O&M Instance

Function

This API Is used to reset the password of a database O&M instance.

URI

POST /v1/{project_id}/db-om/{instance_id}/password/reset

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Table 3-1298 Path Parameters

Parameter	Mandatory	Type	Description
project_id	Yes	String	**Definition**: Specifies the project ID. You can obtain the value by calling the IAM API for querying the project list of a specified IAM user. **Constraints** N/A **Range**: The value is subject to the return value of the IAM service interface. The value contains 32 to 64 characters. **Default Value**: N/A
instance_id	Yes	String	**Definition**: Instance ID. The value can be obtained from the ID field of the API for querying the instance list. **Constraints** N/A **Range**: The value is subject to the value of the API for querying the instance list. The value contains 32 to 64 characters. **Default Value**: N/A

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Request Parameters

Table 3-1299 Request header parameters

Parameter	Mandatory	Type	Description
X-Auth-Token	Yes	String	**Definition**: User token. You can obtain the token by calling the IAM API used to query the user token. The token is the value of X-Subject-Token in the response header. **Constraints** N/A **Range**: The value is subject to the user token query interface of the IAM service. **Default Value**: N/A

Table 3-1300 Request body parameters

Parameter	Mandatory	Type	Description
new_password	Yes	String	New Password
user_name	Yes	String	User Name

Response Parameters

Status code: 200

Table 3-1301 Response body parameters

Parameter	Type	Description
result	String	Operation Result • success: Request succeeded • failed: failed

Status code: 400

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Table 3-1302 Response body parameters

Parameter	Type	Description
details	Array of **DbssErrorDetail** objects	PDP5 authentication exception information
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes
error_msg	String	Error message.

Table 3-1303 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

Status code: 401

Table 3-1304 Response body parameters

Parameter	Type	Description
details	Array of **DbssErrorDetail** objects	PDP5 authentication exception information
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes
error_msg	String	Error message.

Table 3-1305 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

Status code: 403

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Table 3-1306 Response body parameters

Parameter	Type	Description
details	Array of **DbssErrorDetail** objects	PDP5 authentication exception information
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes
error_msg	String	Error message.

Table 3-1307 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

Status code: 500

Table 3-1308 Response body parameters

Parameter	Type	Description
details	Array of **DbssErrorDetail** objects	PDP5 authentication exception information
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes
error_msg	String	Error message.

Table 3-1309 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

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Example Requests

```
/v1/{project_id}/db-om/{instance_id}/password/reset

{
  "new_password" : "Flance123",
  "user_name" : "admin"
}
```

Example Responses

Status code: 200

OK

```
{
  "result" : "success"
}
```

Status Codes

Status Code	Description
200	OK
400	Invalid request parameter.
401	Authorization failed.
403	Unauthorized
500	Server error.

Error Codes

See **Error Codes**.

3.16.7 Restarting a Database O&M Instance

Function

This API is used to restart a database O&M instance.

URI

POST /v1/{project_id}/db-om/{instance_id}/reboot

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Table 3-1310 Path Parameters

Parameter	Mandatory	Type	Description
project_id	Yes	String	**Definition**: Specifies the project ID. You can obtain the value by calling the IAM API for querying the project list of a specified IAM user. **Constraints** N/A **Range**: The value is subject to the return value of the IAM service interface. The value contains 32 to 64 characters. **Default Value**: N/A
instance_id	Yes	String	**Definition**: Instance ID. The value can be obtained from the ID field of the API for querying the instance list. **Constraints** N/A **Range**: The value is subject to the value of the API for querying the instance list. The value contains 32 to 64 characters. **Default Value**: N/A

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Request Parameters

Table 3-1311 Request header parameters

Parameter	Mandatory	Type	Description
X-Auth-Token	Yes	String	**Definition**: User token. The token can be queried by calling the IAM API. (The token is the value of X-Subject-Token in the response header.) **Constraints** N/A **Range**: Used by the IAM service to query the user token. **Default Value**: N/A

Response Parameters

Status code: 200

Table 3-1312 Response body parameters

Parameter	Type	Description
result	String	Operation Result • success: Request succeeded • failed: failed

Status code: 400

Table 3-1313 Response body parameters

Parameter	Type	Description
details	Array of DbssErrorDetail objects	PDP5 authentication exception information
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes

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Parameter	Type	Description
error_msg	String	Error message.

Table 3-1314 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

Status code: 401

Table 3-1315 Response body parameters

Parameter	Type	Description
details	Array of **DbssErrorDetail** objects	PDP5 authentication exception information
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes
error_msg	String	Error message.

Table 3-1316 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

Status code: 403

Table 3-1317 Response body parameters

Parameter	Type	Description
details	Array of **DbssErrorDetail** objects	PDP5 authentication exception information

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Parameter	Type	Description
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes
error_msg	String	Error message.

Table 3-1318 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

Status code: 500

Table 3-1319 Response body parameters

Parameter	Type	Description
details	Array of DbssErrorDetail objects	PDP5 authentication exception information
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes
error_msg	String	Error message.

Table 3-1320 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

Example Requests

/v1/{project_id}/db-om/{instance_id}/reboot

Example Responses

Status code: 200

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OK

```
{
  "result" : "success"
}
```

Status Codes

Status Code	Description
200	OK
400	Invalid request parameter.
401	Authorization failed.
403	Unauthorized
500	Server error.

Error Codes

See **Error Codes**.

3.16.8 Stopping a Database O&M Instance

Function

This API is used to stop a database O&M instance.

URI

POST /v1/{project_id}/db-om/{instance_id}/stop

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Table 3-1321 Path Parameters

Parameter	Mandatory	Type	Description
project_id	Yes	String	**Definition**: Project ID. You can obtain the value by calling the IAM API for querying the project list of a specified IAM user. **Constraints** N/A **Range**: The value is subject to the return value of the IAM service interface. The value contains 32 to 64 characters. **Default Value**: N/A
instance_id	Yes	String	**Definition**: Instance ID. The value can be obtained from the ID field of the API for querying the instance list. **Constraints** N/A **Range**: The value is subject to the value of the API for querying the instance list. The value contains 32 to 64 characters. **Default Value**: N/A

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Request Parameters

Table 3-1322 Request header parameters

Parameter	Mandatory	Type	Description
X-Auth-Token	Yes	String	**Definition**: User token. The token can be queried by calling the IAM API. (The token is the value of X-Subject-Token in the response header.) **Constraints** N/A **Range**: The value is subject to the user token query interface of the IAM service. **Default Value**: N/A

Response Parameters

Status code: 200

Table 3-1323 Response body parameters

Parameter	Type	Description
result	String	Operation Result • success: Request succeeded • failed: failed

Status code: 400

Table 3-1324 Response body parameters

Parameter	Type	Description
details	Array of DbssErrorDetail objects	PDP5 authentication exception information
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes

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Parameter	Type	Description
error_msg	String	Error message.

Table 3-1325 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

Status code: 401

Table 3-1326 Response body parameters

Parameter	Type	Description
details	Array of **DbssErrorDetail** objects	PDP5 authentication exception information
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes
error_msg	String	Error message.

Table 3-1327 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

Status code: 403

Table 3-1328 Response body parameters

Parameter	Type	Description
details	Array of **DbssErrorDetail** objects	PDP5 authentication exception information

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Parameter	Type	Description
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes
error_msg	String	Error message.

Table 3-1329 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

Status code: 500

Table 3-1330 Response body parameters

Parameter	Type	Description
details	Array of DbssErrorDetail objects	PDP5 authentication exception information
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes
error_msg	String	Error message.

Table 3-1331 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

Example Requests

/v1/{project_id}/db-om/{instance_id}/stop

Example Responses

Status code: 200

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OK

```
{
  "result" : "success"
}
```

Status Codes

Status Code	Description
200	OK
400	Invalid request parameter.
401	Authorization failed.
403	Unauthorized
500	Server error.

Error Codes

See **Error Codes**.

3.16.9 Starting a Database O&M Instance

Function

This API is used to start a database O&M instance.

URI

POST /v1/{project_id}/db-om/{instance_id}/start

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Table 3-1332 Path Parameters

Parameter	Mandatory	Type	Description
project_id	Yes	String	**Definition**: Project ID. You can obtain the value by calling the IAM API for querying the project list of a specified IAM user. **Constraints** N/A **Range**: The value is subject to the return value of the IAM service interface. The value contains 32 to 64 characters. **Default Value**: N/A
instance_id	Yes	String	**Definition**: Instance ID. The value can be obtained from the ID field of the API for querying the instance list. **Constraints** N/A **Range**: The value is subject to the value of the API for querying the instance list. The value contains 32 to 64 characters. **Default Value**: N/A

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Request Parameters

Table 3-1333 Request header parameters

Parameter	Mandatory	Type	Description
X-Auth-Token	Yes	String	**Definition**: User token. You can obtain the token by calling the IAM API used to query the user token. The token is the value of X-Subject-Token in the response header. **Constraints** N/A **Range**: The value is subject to the user token query interface of the IAM service. **Default Value**: N/A

Response Parameters

Status code: 200

Table 3-1334 Response body parameters

Parameter	Type	Description
result	String	Operation Result • success: Request succeeded • failed: failed

Status code: 400

Table 3-1335 Response body parameters

Parameter	Type	Description
details	Array of DbssErrorDetail objects	PDP5 authentication exception information
encoded_authorization_message	String	PDP5 authentication exception information

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Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	Error message.

Table 3-1336 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

Status code: 401

Table 3-1337 Response body parameters

Parameter	Type	Description
details	Array of **DbssErrorDetail** objects	PDP5 authentication exception information
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes
error_msg	String	Error message.

Table 3-1338 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

Status code: 403

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Table 3-1339 Response body parameters

Parameter	Type	Description
details	Array of **DbssErrorDetail** objects	PDP5 authentication exception information
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes
error_msg	String	Error message.

Table 3-1340 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

Status code: 500

Table 3-1341 Response body parameters

Parameter	Type	Description
details	Array of **DbssErrorDetail** objects	PDP5 authentication exception information
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes
error_msg	String	Error message.

Table 3-1342 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

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Example Requests

/v1/{project_id}/db-om/{instance_id}/start

Example Responses

Status code: 200

OK

```
{
  "result" : "success"
}
```

Status Codes

Status Code	Description
200	OK
400	Invalid request parameter.
401	Authorization failed.
403	Unauthorized
500	Server error.

Error Codes

See **Error Codes**.

3.16.10 Deleting a Database O&M Instance

Function

This API is used to delete a database O&M instance.

URI

DELETE /v1/{project_id}/db-om/{instance_id}

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Table 3-1343 Path Parameters

Parameter	Mandatory	Type	Description
project_id	Yes	String	**Definition**: Specifies the project ID. You can obtain the value by calling the IAM API for querying the project list of a specified IAM user. **Constraints** N/A **Range**: The value is subject to the return value of the IAM service interface. The value contains 32 to 64 characters. **Default Value**: N/A
instance_id	Yes	String	**Definition**: Instance ID. The value can be obtained from the ID field of the API for querying the instance list. **Constraints** N/A **Range**: The value is subject to the value of the API for querying the instance list. The value contains 32 to 64 characters. **Default Value**: N/A

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Request Parameters

Table 3-1344 Request header parameters

Parameter	Mandatory	Type	Description
X-Auth-Token	Yes	String	**Definition**: User token. The token can be queried by calling the IAM API. (The token is the value of X-Subject-Token in the response header.) **Constraints** N/A **Range**: The value is subject to the user token query interface of the IAM service. **Default Value**: N/A

Response Parameters

Status code: 200

Table 3-1345 Response body parameters

Parameter	Type	Description
result	String	Operation Result • success: Request succeeded • failed: failed

Status code: 400

Table 3-1346 Response body parameters

Parameter	Type	Description
details	Array of DbssErrorDetail objects	PDP5 authentication exception information
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes

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Parameter	Type	Description
error_msg	String	Error message.

Table 3-1347 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

Status code: 401

Table 3-1348 Response body parameters

Parameter	Type	Description
details	Array of **DbssErrorDetail** objects	PDP5 authentication exception information
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes
error_msg	String	Error message.

Table 3-1349 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

Status code: 403

Table 3-1350 Response body parameters

Parameter	Type	Description
details	Array of **DbssErrorDetail** objects	PDP5 authentication exception information

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Parameter	Type	Description
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes
error_msg	String	Error message.

Table 3-1351 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

Status code: 500

Table 3-1352 Response body parameters

Parameter	Type	Description
details	Array of DbssErrorDetail objects	PDP5 authentication exception information
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes
error_msg	String	Error message.

Table 3-1353 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

Example Requests

/v1/{project_id}/db-om/{instance_id}

Example Responses

Status code: 200

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OK

```
{
  "result" : "success"
}
```

Status Codes

Status Code	Description
200	OK
400	Invalid request parameter.
401	Authorization failed.
403	Unauthorized
500	Server error.

Error Codes

See **Error Codes**.

3.16.11 Buying a Yearly/Monthly Database O&M Instance

Function

Buying a Yearly/Monthly Database O&M Instance

URI

POST /v2/{project_id}/db-om/charge/period/order

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Table 3-1354 Path Parameters

Parameter	Mandatory	Type	Description
project_id	Yes	String	** Parameter description**: Specifies the project ID. You can obtain the value by calling the IAM API for querying the project list of a specified IAM user. ** Restrictions**: N/A ** Value range**: The value is subject to the return value of the IAM service interface. The value contains 32 to 64 characters. ** Default value**: N/A

Request Parameters

Table 3-1355 Request header parameters

Parameter	Mandatory	Type	Description
X-Auth-Token	Yes	String	** Parameter description**: User token. You can obtain the token by calling the IAM API used to query the user token. The token is the value of X-Subject-Token in the response header. ** Restrictions**: N/A ** Value range**: Used by the IAM service to query the user token. ** Default value**: N/A

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Table 3-1356 Request body parameters

Parameter	Mandatory	Type	Description
tags	No	Array of **ResourceTagInfoBean** objects	Resource tags
asset_nums	Yes	Integer	Asset Quantity
availability_zone	Yes	String	AZ
charging_mode	Yes	Integer	Billing mode. The options are as follows:
cloud_service_type	Yes	String	Service Type
comment	No	String	Remarks.
composite_product_id	No	String	Package
deploy_mode	Yes	String	Instance deployment mode. The default value is cloud. • CLOUD: cloud • OUTSIDE: outside the cloud
discount_id	No	String	Discount ID.
enterprise_project_id	Yes	String	Enterprise project ID
flavor_ref	Yes	String	ECS flavor ID
hx_password	Yes	String	The password for logging in to the management console.
image_business_type	Yes	Integer	Mirroring Service Type
is_auto_renew	Yes	Integer	Self-paid renewal • 1: automatic • 0: no
name	Yes	String	Instance name
nics	Yes	Array of **Nic** objects	Network interface information.
outside_ins_config	No	**OutsideInsConfig** object	Cloud Instance Configuration
period_num	Yes	Integer	Number of subscription periods

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Parameter	Mandatory	Type	Description
period_type	Yes	Integer	Subscription period type.
product_infos	Yes	Array of **ProductInfoBeanNew** objects	Product list
promotion_activity_id	No	String	Promotion ID.
promotion_info	No	String	Discount information.
public_ip	No	**PublicIp** object	Elastic IP Address
region_id	No	String	Region ID.
security_groups	Yes	Array of **SecurityGroup** objects	Security group information
subscription_num	Yes	Integer	Subscription quantity. Currently, only one device is supported.
vpc_id	Yes	String	VPC ID

Table 3-1357 ResourceTagInfoBean

Parameter	Mandatory	Type	Description
key	No	String	Tag key
value	Yes	String	Tag value

Table 3-1358 Nic

Parameter	Mandatory	Type	Description
ip_address	No	String	IP address. If this parameter is left blank or is set to an empty string, the IP address is automatically allocated.
subnet_id	No	String	Subnet ID

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Table 3-1359 OutsideInsConfig

Parameter	Mandatory	Type	Description
master_node_ip	No	String	Primary Node IP Address
slave_node_ip	No	String	Slave node IP address
virtual_ip	No	String	Virtual IP address

Table 3-1360 ProductInfoBeanNew

Parameter	Mandatory	Type	Description
all_resource_names	No	Array of strings	Names of all resources
cloud_service_type	No	String	Cloud Service Type
display_id	No	String	Display ID
product_id	No	String	Product ID
product_spec_desc	No	String	Specifies the description of product specifications.
resource_name	No	String	Resource name.
resource_spec_code	No	String	resource_spec
resource_type	No	String	Resource Type

Table 3-1361 PublicIp

Parameter	Mandatory	Type	Description
eip	No	**EIP** object	EIP information.
id	No	String	IP Address ID

Table 3-1362 EIP

Parameter	Mandatory	Type	Description
bandwidth	No	**BandWidth** object	Bandwidth parameters.
ipproductid	No	String	IP Product ID

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Parameter	Mandatory	Type	Description
iptype	No	String	EIP Type

Table 3-1363 BandWidth

Parameter	Mandatory	Type	Description
chargemode	No	String	Specifies the billing mode.
productid	No	String	Product ID corresponding to the bandwidth.
sharetype	No	String	Share type. Currently, only PER is supported.
size	No	Integer	Bandwidth: 1-100 Mbit/s (pay-per-use); 1-300 Mbit/s (yearly/monthly)

Table 3-1364 SecurityGroup

Parameter	Mandatory	Type	Description
id	No	String	Security group ID.

Response Parameters

Status code: 200

Table 3-1365 Response body parameters

Parameter	Type	Description
code	String	Return code
description	String	Description
order_id	String	Order ID.

Status code: 400

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Table 3-1366 Response body parameters

Parameter	Type	Description
details	Array of **DbssErrorDetail** objects	PDP5 authentication exception information
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes
error_msg	String	Error message.

Table 3-1367 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

Status code: 401

Table 3-1368 Response body parameters

Parameter	Type	Description
details	Array of **DbssErrorDetail** objects	PDP5 authentication exception information
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes
error_msg	String	Error message.

Table 3-1369 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

Status code: 403

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Table 3-1370 Response body parameters

Parameter	Type	Description
details	Array of **DbssErrorDetail** objects	PDP5 authentication exception information
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes
error_msg	String	Error message.

Table 3-1371 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

Status code: 500

Table 3-1372 Response body parameters

Parameter	Type	Description
details	Array of **DbssErrorDetail** objects	PDP5 authentication exception information
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes
error_msg	String	Error message.

Table 3-1373 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

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Example Requests

/v2/{project_id}/db-om/charge/period/order


```
{
  "flavor_ref" : "s6.2xlarge.2",
  "name" : "DBSS-f5e1",
  "vpc_id" : "21f3dac4-f460-4173-ba5e-cb7a0d528605",
  "availability_zone" : "cn-north-7c,cn-north-7c",
  "nics" : [ {
    "subnet_id" : "cbed162e-045a-4afd-aa2b-0da11219989c"
  } ],
  "security_groups" : [ {
    "id" : "0070ec22-bae4-4df3-af3d-9f928297b3b7"
  } ],
  "cloud_service_type" : "hws.service.type.dbss",
  "charging_mode" : 0,
  "period_type" : 2,
  "period_num" : 1,
  "subscription_num" : 1,
  "is_auto_renew" : 0,
  "promotion_info" : "",
  "product_infos" : [ {
    "product_id" : "OFFI10097xxxxxxxxxxx693761",
    "cloud_service_type" : "hws.service.type.dbss",
    "resource_type" : "hws.resource.type.dbss.opsmgmt",
    "resource_spec_code" : "dbss.opsmgmt.high",
    "product_spec_desc" : "{\"specDesc\":{\"zh-cn\":{\" Host name \":\"DBSS-f5e1\", \"Specifications\":
\"Database Audit O&M Enhanced Edition\", \"VPC\": \"VPC-IPV4-Do not enable IPv6\", \"Subnet \":\"subnet-
ipv4\"},\"en-us\":{\"Instance Name\":\"DBSS-f5e1\",\"Edition\": \"Database Audit O&M Enhanced Edition\",
\"VPC\": \"VPC-IPV4-Do not enable ipv6\",\"Subnet\":\"subnet-ipv4\"}}}"
  } ],
  "region_id" : "cn-north-7",
  "hx_password" : "Firelxxxxxxx123!",
  "asset_nums" : 10,
  "image_business_type" : 1,
  "public_ip" : {
    "id" : "df0d32e1-671e-482b-bafd-413fa67d3add",
    "eip" : null
  },
  "enterprise_project_id" : "0"
}
```


Example Responses

Status code: 200

OK


```
{
  "description" : "Success",
  "code" : "0",
  "order_id" : "CS250825171489W7N"
}
```


Status Codes

Status Code	Description
200	OK
400	Invalid request parameter.
401	Authorization failed.

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Status Code	Description
403	Unauthorized
500	Server error.

Error Codes

See **Error Codes**.

3.17 Encryption Enhancement Management

3.17.1 Listing Database Encryption Instances

Function

Listing Database Encryption Instances

URI

POST /v2/{project_id}/db-encrypt/instances

Table 3-1374 Path Parameters

Parameter	Mandatory	Type	Description
project_id	Yes	String	**Definition**: Project ID You can obtain the value by calling the IAM API for querying the project list of a specified IAM user. ** Restrictions**: N/A **Range**: The value is subject to the return value of the IAM service interface. The value contains 32 to 64 characters. ** Default value**: N/A

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Request Parameters

Table 3-1375 Request header parameters

Parameter	Mandatory	Type	Description
X-Auth-Token	Yes	String	** Parameter description**: User token. You can obtain the token by calling the IAM API used to query the user token. The token is the value of X-Subject-Token in the response header. ** Restrictions**: N/A ** Value range**: Used by the IAM service to query the user token. ** Default value**: N/A

Response Parameters

Status code: 200

Table 3-1376 Response body parameters

Parameter	Type	Description
clusters	Array of **Cluster** objects	Instances

Table 3-1377 Cluster

Parameter	Type	Description
activate_info	**InstanceActivateInfo** object	Instance activation information
charge_model	String	Billing mode. The options are as follows: • Period: yearly/monthly • Demand: on-demand
comment	String	Remarks.
created	Long	Creation time.

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Parameter	Type	Description
deploy_mode	String	Deployment Mode • CLOUD: cloud • OUTSIDE: outside the cloud
detail	**ServerList** object	Service list
enterprise_project_id	String	Enterprise project ID
expired	Long	Expiration time
float_ip	String	Floating IP Address
instance_id	String	Instance ID
is_active_standby	Boolean	Whether to activate the standby
keep_days	String	Days
name	String	Instance name
new_version	String	Latest Version
public_ip	String	Public IP address
remain_days	String	Remaining period (days)

Table 3-1378 InstanceActivateInfo

Parameter	Type	Description
dsc_proxy_domain_name	String	Proxy Domain Name
dsc_proxy_ip	String	Proxy IP Address
dsc_proxy_port	Integer	Proxy Port
master_node_id	String	Master Node ID
slave_node_id	String	Standby Node ID

Table 3-1379 ServerList

Parameter	Type	Description
server	Array of **ResponseServer** objects	Server list.
total	Integer	Quantity

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Table 3-1380 ResponseServer

Parameter	Type	Description
connect_ip	String	Connection IP address.
cpu	String	CPUs
created	String	Creation time.
description	String	Description
effect	Integer	Instance frozen status. The value can be: • 1: frozen and can be released (default) • 2: frozen and cannot be released • 3: Frozen accounts cannot be renewed.
instance_id	String	Instance ID
is_active	Integer	Indicates whether an instance is a primary or standby instance in HA mode. -0: primary instance; -1: standby instance
name	String	Instance name
ram	String	Memory Size
region	String	Region
resource_spec_code	String	Instance specification code
scene	String	Frozen scenario - POLICE: frozen by the public security department - ILLEGAL: frozen due to violation - VERIFY: frozen due to non-real-name authentication - PARTNER: frozen due to partners - ARREAR: frozen due to common reasons
security_group_id	String	Security group ID.
specification	String	Resource specification type code.
status	String	Instance Status
subnet_id	String	Subnet ID
task_status	String	Instance processing status

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Parameter	Type	Description
update_status	String	Upgrade status • SUCCESS: success • FAILED: failed • **UPGRADING**: The instance is being upgraded.
version	String	Version
vpc_id	String	VPC ID
zone	String	Region
server_id	String	Server ID

Status code: 400

Table 3-1381 Response body parameters

Parameter	Type	Description
details	Array of **DbssErrorDetail** objects	PDP5 authentication exception information
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes
error_msg	String	Error message.

Table 3-1382 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

Status code: 401

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Table 3-1383 Response body parameters

Parameter	Type	Description
details	Array of **DbssErrorDetail** objects	PDP5 authentication exception information
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes
error_msg	String	Error message.

Table 3-1384 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

Status code: 403

Table 3-1385 Response body parameters

Parameter	Type	Description
details	Array of **DbssErrorDetail** objects	PDP5 authentication exception information
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes
error_msg	String	Error message.

Table 3-1386 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

Status code: 500

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Table 3-1387 Response body parameters

Parameter	Type	Description
details	Array of DbssErrorDetail objects	PDP5 authentication exception information
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes
error_msg	String	Error message.

Table 3-1388 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

Example Requests

/v2/{project_id}/db-encrypt/instances

Example Responses

Status code: 200

OK


```
{
  "clusters" : [ {
    "name" : "DBSS-Gujiami815",
    "created" : 1755487577000,
    "expired" : 1758182399000,
    "comment" : null,
    "detail" : {
      "total" : 2,
      "server" : [ {
        "name" : "DBSS-Gujiami815-HA-2",
        "description" : null,
        "status" : "ACTIVE",
        "specification" : "dbss.encrypt.high",
        "zone" : "cn-north-7c",
        "created" : "2025-08-18 11:19:00",
        "cpu" : "8",
        "ram" : "16384",
        "region" : "cn-north-7",
        "version" : null,
        "effect" : null,
        "scene" : null,
        "instance_id" : "2d4a65d9c549dfbc1b5fa20bdb4f2aae",
        "connect_ip" : "10.0.245.7",
        "task_status" : "NO_TASK",
        "server_id" : "c4a7e5cf-3f2f-4fe3-9d1e-c022d3f54b9c",
        "vpc_id" : "21f3dac4-f460-4173-ba5e-cb7a0d528605",
```


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```
      "subnet_id" : "cbed162e-045a-4afd-aa2b-0da11219989c",
      "security_group_id" : "9e033f2d-04a5-4bdc-858e-17e31599d052",
      "resource_spec_code" : "dbss.encrypt.high",
      "update_status" : null,
      "is_active" : 1
    }, {
      "name" : "DBSS-Gujiami815-HA-1",
      "description" : null,
      "status" : "ACTIVE",
      "specification" : "dbss.encrypt.high",
      "zone" : "cn-north-7c",
      "created" : "2025-08-18 11:19:00",
      "cpu" : "8",
      "ram" : "16384",
      "region" : "cn-north-7",
      "version" : null,
      "effect" : null,
      "scene" : null,
      "instance_id" : "2d4a65d9c549dfbc1b5fa20bdb4f2aae",
      "connect_ip" : "10.0.65.132",
      "task_status" : "NO_TASK",
      "server_id" : "b5fdb858-b26d-4250-8c20-1ecc48d20a93",
      "vpc_id" : "21f3dac4-f460-4173-ba5e-cb7a0d528605",
      "subnet_id" : "cbed162e-045a-4afd-aa2b-0da11219989c",
      "security_group_id" : "9e033f2d-04a5-4bdc-858e-17e31599d052",
      "resource_spec_code" : "dbss.encrypt.high",
      "update_status" : null,
      "is_active" : 0
    } ]
  },
  "instance_id" : "2d4a65d9c549dfbc1b5fa20bdb4f2aae",
  "float_ip" : "10.0.52.243",
  "charge_model" : "Period",
  "remain_days" : "24",
  "keep_days" : "26",
  "new_version" : null,
  "enterprise_project_id" : "0",
  "public_ip" : "100.95.153.102",
  "is_active_standby" : true,
  "deploy_mode" : "CLOUD",
  "activate_info" : null
 } ]
}
```


Status Codes

Status Code	Description
200	OK
400	Invalid request parameter.
401	Authorization failed.
403	Unauthorized
500	Server error.

Error Codes

See **Error Codes**.

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3.17.2 Changing the Name of a Database Encryption Instance

Function

This API is used to change the name of a database encryption instance.

URI

PUT /v1/{project_id}/db-encrypt/{instance_id}/name

Table 3-1389 Path Parameters

Parameter	Mandatory	Type	Description
project_id	Yes	String	**Definition**: Project ID. You can obtain the value by calling the IAM API for querying the project list of a specified IAM user. **Constraints** N/A **Range**: The value is subject to the return value of the IAM service interface. The value contains 32 to 64 characters. **Default Value**: N/A
instance_id	Yes	String	**Definition**: Instance ID. The value can be obtained from the ID field of the API for querying the instance list. **Constraints** N/A **Range**: The value is subject to the value of the API for querying the instance list. The value contains 32 to 64 characters. **Default Value**: N/A

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Request Parameters

Table 3-1390 Request header parameters

Parameter	Mandatory	Type	Description
X-Auth-Token	Yes	String	**Definition**: User token. The token can be queried by calling the IAM API. (The token is the value of X-Subject-Token in the response header.) **Constraints** N/A **Range**: The value is subject to the user token query interface of the IAM service. **Default Value**: N/A

Table 3-1391 Request body parameters

Parameter	Mandatory	Type	Description
new_name	Yes	String	Entering a new name

Response Parameters

Status code: 200

Table 3-1392 Response body parameters

Parameter	Type	Description
result	String	Operation Result • success: Request succeeded • failed: failed

Status code: 400

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Table 3-1393 Response body parameters

Parameter	Type	Description
details	Array of **DbssErrorDetail** objects	PDP5 authentication exception information
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes
error_msg	String	Error message.

Table 3-1394 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

Status code: 401

Table 3-1395 Response body parameters

Parameter	Type	Description
details	Array of **DbssErrorDetail** objects	PDP5 authentication exception information
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes
error_msg	String	Error message.

Table 3-1396 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

Status code: 403

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Table 3-1397 Response body parameters

Parameter	Type	Description
details	Array of **DbssErrorDetail** objects	PDP5 authentication exception information
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes
error_msg	String	Error message.

Table 3-1398 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

Status code: 500

Table 3-1399 Response body parameters

Parameter	Type	Description
details	Array of **DbssErrorDetail** objects	PDP5 authentication exception information
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes
error_msg	String	Error message.

Table 3-1400 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

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Example Requests

```
/v1/{project_id}/db-encrypt/{instance_id}/name

{
  "new_name" : "DBSS-guanghua0824"
}
```

Example Responses

Status code: 200

OK

```
{
  "result" : "success"
}
```

Status Codes

Status Code	Description
200	OK
400	Invalid request parameter.
401	Authorization failed.
403	Unauthorized
500	Server error.

Error Codes

See **Error Codes**.

3.17.3 Unbinding an EIP from an Encrypted Database Instance

Function

Unbind an EIP from a database encryption instance.

URI

POST /v1/{project_id}/db-encrypt/{instance_id}/eip/unbind

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Table 3-1401 Path Parameters

Parameter	Mandatory	Type	Description
project_id	Yes	String	**Definition**: Project ID. You can obtain the value by calling the IAM API for querying the project list of a specified IAM user. **Constraints** N/A **Range**: The value is subject to the return value of the IAM service interface. The value contains 32 to 64 characters. **Default Value**: N/A
instance_id	Yes	String	**Definition**: Instance ID. The value can be obtained from the ID field of the API for querying the instance list. **Constraints** N/A **Range**: The value is subject to the value of the API for querying the instance list. The value contains 32 to 64 characters. **Default Value**: N/A

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Request Parameters

Table 3-1402 Request header parameters

Parameter	Mandatory	Type	Description
X-Auth-Token	Yes	String	**Definition**: User token. The token can be queried by calling the IAM API. (The token is the value of X-Subject-Token in the response header.) **Constraints** N/A **Range**: The value is subject to the user token query interface of the IAM service. **Default Value**: N/A

Response Parameters

Status code: 200

Table 3-1403 Response body parameters

Parameter	Type	Description
result	String	Operation Result • success: Request succeeded • failed: failed

Status code: 400

Table 3-1404 Response body parameters

Parameter	Type	Description
details	Array of DbssErrorDetail objects	PDP5 authentication exception information
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes

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Parameter	Type	Description
error_msg	String	Error message.

Table 3-1405 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

Status code: 401

Table 3-1406 Response body parameters

Parameter	Type	Description
details	Array of **DbssErrorDetail** objects	PDP5 authentication exception information
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes
error_msg	String	Error message.

Table 3-1407 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

Status code: 403

Table 3-1408 Response body parameters

Parameter	Type	Description
details	Array of **DbssErrorDetail** objects	PDP5 authentication exception information

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Parameter	Type	Description
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes
error_msg	String	Error message.

Table 3-1409 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

Status code: 500

Table 3-1410 Response body parameters

Parameter	Type	Description
details	Array of DbssErrorDetail objects	PDP5 authentication exception information
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes
error_msg	String	Error message.

Table 3-1411 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

Example Requests

/v1/{project_id}/db-encrypt/{instance_id}/eip/unbind

Example Responses

Status code: 200

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OK

```
{
  "result" : "success"
}
```

Status Codes

Status Code	Description
200	OK
400	Invalid request parameter.
401	Authorization failed.
403	Unauthorized
500	Server error.

Error Codes

See **Error Codes**.

3.17.4 Binding the EIP of the Database Encryption Instance

Function

Bind the EIP of the database encryption instance.

URI

POST /v1/{project_id}/db-encrypt/{instance_id}/eip/bind

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Table 3-1412 Path Parameters

Parameter	Mandatory	Type	Description
project_id	Yes	String	**Definition**: Project ID. You can obtain the value by calling the IAM API for querying the project list of a specified IAM user. **Constraints** N/A **Range**: The value is subject to the return value of the IAM service interface. The value contains 32 to 64 characters. **Default Value**: N/A
instance_id	Yes	String	**Definition**: Instance ID. The value can be obtained from the ID field of the API for querying the instance list. **Constraints** N/A **Range**: The value is subject to the value of the API for querying the instance list. The value contains 32 to 64 characters. **Default Value**: N/A

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Request Parameters

Table 3-1413 Request header parameters

Parameter	Mandatory	Type	Description
X-Auth-Token	Yes	String	**Definition**: User token. The token can be queried by calling the IAM API. (The token is the value of X-Subject-Token in the response header.) **Constraints** N/A **Range**: The value is subject to the user token query interface of the IAM service. **Default Value**: N/A

Table 3-1414 Request body parameters

Parameter	Mandatory	Type	Description
eip	Yes	String	EIP information.
eip_id	Yes	String	EIP ID

Response Parameters

Status code: 200

Table 3-1415 Response body parameters

Parameter	Type	Description
result	String	Operation Result • success: Request succeeded • failed: failed

Status code: 400

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Table 3-1416 Response body parameters

Parameter	Type	Description
details	Array of **DbssErrorDetail** objects	PDP5 authentication exception information
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes
error_msg	String	Error message.

Table 3-1417 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

Status code: 401

Table 3-1418 Response body parameters

Parameter	Type	Description
details	Array of **DbssErrorDetail** objects	PDP5 authentication exception information
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes
error_msg	String	Error message.

Table 3-1419 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

Status code: 403

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Table 3-1420 Response body parameters

Parameter	Type	Description
details	Array of **DbssErrorDetail** objects	PDP5 authentication exception information
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes
error_msg	String	Error message.

Table 3-1421 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

Status code: 500

Table 3-1422 Response body parameters

Parameter	Type	Description
details	Array of **DbssErrorDetail** objects	PDP5 authentication exception information
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes
error_msg	String	Error message.

Table 3-1423 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

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Example Requests

/v1/{project_id}/db-encrypt/{instance_id}/eip/bind

Example Responses

Status code: 200

OK

```
{
  "result" : "success"
}
```

Status Codes

Status Code	Description
200	OK
400	Invalid request parameter.
401	Authorization failed.
403	Unauthorized
500	Server error.

Error Codes

See **Error Codes**.

3.17.5 Changing the Security Group of an Encrypted Instance

Function

This API is used to change the security group of a database encryption instance.

URI

PUT /v1/{project_id}/db-encrypt/{instance_id}/security-group

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Table 3-1424 Path Parameters

Parameter	Mandatory	Type	Description
project_id	Yes	String	**Definition**: Project ID. You can obtain the value by calling the IAM API for querying the project list of a specified IAM user. **Constraints** N/A **Range**: The value is subject to the return value of the IAM service interface. The value contains 32 to 64 characters. **Default Value**: N/A
instance_id	Yes	String	**Definition**: Instance ID. The value can be obtained from the ID field of the API for querying the instance list. **Constraints** N/A **Range**: The value is subject to the value of the API for querying the instance list. The value contains 32 to 64 characters. **Default Value**: N/A

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Request Parameters

Table 3-1425 Request header parameters

Parameter	Mandatory	Type	Description
X-Auth-Token	Yes	String	**Definition**: User token. You can obtain the token by calling the IAM API used to query the user token. The token is the value of X-Subject-Token in the response header. **Constraints** N/A **Range**: The value is subject to the user token query interface of the IAM service. **Default Value**: N/A

Table 3-1426 Request body parameters

Parameter	Mandatory	Type	Description
security_group_ids	Yes	Array of strings	Security group ID.

Response Parameters

Status code: 200

Table 3-1427 Response body parameters

Parameter	Type	Description
code	Integer	• 0: normal; • other values: abnormal
description	String	Remarks
order_id	String	Specifies the order number.
task_id	String	Task ID

Status code: 400

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Table 3-1428 Response body parameters

Parameter	Type	Description
details	Array of **DbssErrorDetail** objects	PDP5 authentication exception information
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes
error_msg	String	Error message.

Table 3-1429 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

Status code: 401

Table 3-1430 Response body parameters

Parameter	Type	Description
details	Array of **DbssErrorDetail** objects	PDP5 authentication exception information
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes
error_msg	String	Error message.

Table 3-1431 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

Status code: 403

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Table 3-1432 Response body parameters

Parameter	Type	Description
details	Array of **DbssErrorDetail** objects	PDP5 authentication exception information
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes
error_msg	String	Error message.

Table 3-1433 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

Status code: 500

Table 3-1434 Response body parameters

Parameter	Type	Description
details	Array of **DbssErrorDetail** objects	PDP5 authentication exception information
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes
error_msg	String	Error message.

Table 3-1435 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

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Example Requests

```
/v1/{project_id}/db-encrypt/{instance_id}/security-group

{
  "security_group_ids" : [ "9e033f2d-04a5-4bdc-858e-17e31599d052" ]
}
```

Example Responses

Status code: 200

OK

```
{
  "code" : 0
}
```

Status Codes

Status Code	Description
200	OK
400	Invalid request parameter.
401	Authorization failed.
403	Unauthorized
500	Server error.

Error Codes

See **Error Codes**.

3.17.6 Resetting the Password of an Encrypted Database Instance

Function

This API Is used to reset the password of a database encryption instance.

URI

POST /v1/{project_id}/db-encrypt/{instance_id}/password/reset

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Table 3-1436 Path Parameters

Parameter	Mandatory	Type	Description
project_id	Yes	String	**Definition**: Project ID. You can obtain the value by calling the IAM API for querying the project list of a specified IAM user. **Constraints** N/A **Range**: The value is subject to the return value of the IAM service interface. The value contains 32 to 64 characters. **Default Value**: N/A
instance_id	Yes	String	**Definition**: Instance ID. The value can be obtained from the ID field of the API for querying the instance list. **Constraints** N/A **Range**: The value is subject to the value of the API for querying the instance list. The value contains 32 to 64 characters. **Default Value**: N/A

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Request Parameters

Table 3-1437 Request header parameters

Parameter	Mandatory	Type	Description
X-Auth-Token	Yes	String	**Definition**: User token. You can obtain the token by calling the IAM API used to query the user token. The token is the value of X-Subject-Token in the response header. **Constraints** N/A **Range**: The value is subject to the user token query interface of the IAM service. **Default Value**: N/A

Table 3-1438 Request body parameters

Parameter	Mandatory	Type	Description
new_password	Yes	String	New Password
user_name	Yes	String	User Name

Response Parameters

Status code: 200

Table 3-1439 Response body parameters

Parameter	Type	Description
result	String	Operation Result • success: Request succeeded • failed: failed

Status code: 400

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Table 3-1440 Response body parameters

Parameter	Type	Description
details	Array of **DbssErrorDetail** objects	PDP5 authentication exception information
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes
error_msg	String	Error message.

Table 3-1441 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

Status code: 401

Table 3-1442 Response body parameters

Parameter	Type	Description
details	Array of **DbssErrorDetail** objects	PDP5 authentication exception information
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes
error_msg	String	Error message.

Table 3-1443 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

Status code: 403

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Table 3-1444 Response body parameters

Parameter	Type	Description
details	Array of **DbssErrorDetail** objects	PDP5 authentication exception information
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes
error_msg	String	Error message.

Table 3-1445 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

Status code: 500

Table 3-1446 Response body parameters

Parameter	Type	Description
details	Array of **DbssErrorDetail** objects	PDP5 authentication exception information
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes
error_msg	String	Error message.

Table 3-1447 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

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Example Requests

/v1/{project_id}/db-encrypt/{instance_id}/password/reset

Example Responses

Status code: 200

OK

```
{
  "result" : "success"
}
```

Status Codes

Status Code	Description
200	OK
400	Invalid request parameter.
401	Authorization failed.
403	Unauthorized
500	Server error.

Error Codes

See **Error Codes**.

3.17.7 Restarting an Encrypted Database Instance

Function

This API is used to restart an encrypted database instance.

URI

POST /v1/{project_id}/db-encrypt/{instance_id}/reboot

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Table 3-1448 Path Parameters

Parameter	Mandatory	Type	Description
project_id	Yes	String	**Definition**: Specifies the project ID. You can obtain the value by calling the IAM API for querying the project list of a specified IAM user. **Constraints** N/A **Range**: The value is subject to the return value of the IAM service interface. The value contains 32 to 64 characters. **Default Value**: N/A
instance_id	Yes	String	**Definition**: Instance ID. The value can be obtained from the ID field of the API for querying the instance list. **Constraints** N/A **Range**: The value is subject to the value of the API for querying the instance list. The value contains 32 to 64 characters. **Default Value**: N/A

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Request Parameters

Table 3-1449 Request header parameters

Parameter	Mandatory	Type	Description
X-Auth-Token	Yes	String	**Definition**: User token. The token can be queried by calling the IAM API. (The token is the value of X-Subject-Token in the response header.) **Constraints** N/A **Range**: The value is subject to the user token query interface of the IAM service. **Default Value**: N/A

Response Parameters

Status code: 200

Table 3-1450 Response body parameters

Parameter	Type	Description
result	String	Operation Result • success: Request succeeded • failed: failed

Status code: 400

Table 3-1451 Response body parameters

Parameter	Type	Description
details	Array of DbssErrorDetail objects	PDP5 authentication exception information
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes

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Parameter	Type	Description
error_msg	String	Error message.

Table 3-1452 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

Status code: 401

Table 3-1453 Response body parameters

Parameter	Type	Description
details	Array of **DbssErrorDetail** objects	PDP5 authentication exception information
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes
error_msg	String	Error message.

Table 3-1454 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

Status code: 403

Table 3-1455 Response body parameters

Parameter	Type	Description
details	Array of **DbssErrorDetail** objects	PDP5 authentication exception information

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Parameter	Type	Description
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes
error_msg	String	Error message.

Table 3-1456 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

Status code: 500

Table 3-1457 Response body parameters

Parameter	Type	Description
details	Array of DbssErrorDetail objects	PDP5 authentication exception information
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes
error_msg	String	Error message.

Table 3-1458 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

Example Requests

/v1/{project_id}/db-encrypt/{instance_id}/reboot

Example Responses

Status code: 200

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OK

```
{
  "result" : "success"
}
```

Status Codes

Status Code	Description
200	OK
400	Invalid request parameter.
401	Authorization failed.
403	Unauthorized
500	Server error.

Error Codes

See **Error Codes**.

3.17.8 Stopping a Database Encryption Instance

Function

This API is used to stop an encrypted database instance.

URI

POST /v1/{project_id}/db-encrypt/{instance_id}/stop

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Table 3-1459 Path Parameters

Parameter	Mandatory	Type	Description
project_id	Yes	String	**Definition**: Project ID. You can obtain the value by calling the IAM API for querying the project list of a specified IAM user. **Constraints** N/A **Range**: The value is subject to the return value of the IAM service interface. The value contains 32 to 64 characters. **Default Value**: N/A
instance_id	Yes	String	**Definition**: Instance ID. The value can be obtained from the ID field of the API for querying the instance list. **Constraints** N/A **Range**: The value is subject to the value of the API for querying the instance list. The value contains 32 to 64 characters. **Default Value**: N/A

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Request Parameters

Table 3-1460 Request header parameters

Parameter	Mandatory	Type	Description
X-Auth-Token	Yes	String	**Definition**: User token. You can obtain the token by calling the IAM API used to query the user token. The token is the value of X-Subject-Token in the response header. **Constraints** N/A **Range**: The value is subject to the user token query interface of the IAM service. **Default Value**: N/A

Response Parameters

Status code: 200

Table 3-1461 Response body parameters

Parameter	Type	Description
result	String	Operation Result • success: Request succeeded • failed: failed

Status code: 400

Table 3-1462 Response body parameters

Parameter	Type	Description
details	Array of DbssErrorDetail objects	PDP5 authentication exception information
encoded_authorization_message	String	PDP5 authentication exception information

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Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	Error message.

Table 3-1463 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

Status code: 401

Table 3-1464 Response body parameters

Parameter	Type	Description
details	Array of **DbssErrorDetail** objects	PDP5 authentication exception information
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes
error_msg	String	Error message.

Table 3-1465 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

Status code: 403

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Table 3-1466 Response body parameters

Parameter	Type	Description
details	Array of **DbssErrorDetail** objects	PDP5 authentication exception information
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes
error_msg	String	Error message.

Table 3-1467 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

Status code: 500

Table 3-1468 Response body parameters

Parameter	Type	Description
details	Array of **DbssErrorDetail** objects	PDP5 authentication exception information
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes
error_msg	String	Error message.

Table 3-1469 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

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Example Requests

```
/v1/{project_id}/db-encrypt/{instance_id}/stop
```

Example Responses

Status code: 200

OK

```
{
  "result" : "success"
}
```

Status Codes

Status Code	Description
200	OK
400	Invalid request parameter.
401	Authorization failed.
403	Unauthorized
500	Server error.

Error Codes

See **Error Codes**.

3.17.9 Starting the Database Encryption Instance

Function

This API is used to start an encrypted database instance.

URI

POST /v1/{project_id}/db-encrypt/{instance_id}/start

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Table 3-1470 Path Parameters

Parameter	Mandatory	Type	Description
project_id	Yes	String	**Definition**: Project ID. You can obtain the value by calling the IAM API for querying the project list of a specified IAM user. **Constraints** N/A **Range**: The value is subject to the return value of the IAM service interface. The value contains 32 to 64 characters. **Default Value**: N/A
instance_id	Yes	String	**Definition**: Instance ID. The value can be obtained from the ID field of the API for querying the instance list. **Constraints** N/A **Range**: The value is subject to the value of the API for querying the instance list. The value contains 32 to 64 characters. **Default Value**: N/A

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Request Parameters

Table 3-1471 Request header parameters

Parameter	Mandatory	Type	Description
X-Auth-Token	Yes	String	**Definition**: User token. You can obtain the token by calling the IAM API used to query the user token. The token is the value of X-Subject-Token in the response header. **Constraints** N/A **Range**: The value is subject to the user token query interface of the IAM service. **Default Value**: N/A

Response Parameters

Status code: 200

Table 3-1472 Response body parameters

Parameter	Type	Description
result	String	Operation Result • success: Request succeeded • failed: failed

Status code: 400

Table 3-1473 Response body parameters

Parameter	Type	Description
details	Array of DbssErrorDetail objects	PDP5 authentication exception information
encoded_authorization_message	String	PDP5 authentication exception information

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Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	Error message.

Table 3-1474 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

Status code: 401

Table 3-1475 Response body parameters

Parameter	Type	Description
details	Array of DbssErrorDetail objects	PDP5 authentication exception information
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes
error_msg	String	Error message.

Table 3-1476 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

Status code: 403

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Table 3-1477 Response body parameters

Parameter	Type	Description
details	Array of **DbssErrorDetail** objects	PDP5 authentication exception information
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes
error_msg	String	Error message.

Table 3-1478 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

Status code: 500

Table 3-1479 Response body parameters

Parameter	Type	Description
details	Array of **DbssErrorDetail** objects	PDP5 authentication exception information
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes
error_msg	String	Error message.

Table 3-1480 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

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Example Requests

/v1/{project_id}/db-encrypt/{instance_id}/start

Example Responses

Status code: 200

OK

```
{
  "result" : "success"
}
```

Status Codes

Status Code	Description
200	OK
400	Invalid request parameter.
401	Authorization failed.
403	Unauthorized
500	Server error.

Error Codes

See **Error Codes**.

3.17.10 Deleting an Encrypted Database Instance

Function

This API is used to delete an encrypted database instance.

URI

DELETE /v1/{project_id}/db-encrypt/{instance_id}

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Table 3-1481 Path Parameters

Parameter	Mandatory	Type	Description
project_id	Yes	String	**Definition**: Project ID. You can obtain the value by calling the IAM API for querying the project list of a specified IAM user. **Constraints** N/A **Range**: The value is subject to the return value of the IAM service interface. The value contains 32 to 64 characters. **Default Value**: N/A
instance_id	Yes	String	**Definition**: Instance ID. The value can be obtained from the ID field of the API for querying the instance list. **Constraints** N/A **Range**: The value is subject to the value of the API for querying the instance list. The value contains 32 to 64 characters. **Default Value**: N/A

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Request Parameters

Table 3-1482 Request header parameters

Parameter	Mandatory	Type	Description
X-Auth-Token	Yes	String	**Definition**: User token. You can obtain the token by calling the IAM API used to query the user token. The token is the value of X-Subject-Token in the response header. **Constraints** N/A **Range**: The value is subject to the user token query interface of the IAM service. **Default Value**: N/A

Response Parameters

Status code: 200

Table 3-1483 Response body parameters

Parameter	Type	Description
result	String	Operation Result • success: Request succeeded • failed: failed

Status code: 400

Table 3-1484 Response body parameters

Parameter	Type	Description
details	Array of DbssErrorDetail objects	PDP5 authentication exception information
encoded_authorization_message	String	PDP5 authentication exception information

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Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	Error message.

Table 3-1485 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

Status code: 401

Table 3-1486 Response body parameters

Parameter	Type	Description
details	Array of **DbssErrorDetail** objects	PDP5 authentication exception information
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes
error_msg	String	Error message.

Table 3-1487 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

Status code: 403

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Table 3-1488 Response body parameters

Parameter	Type	Description
details	Array of **DbssErrorDetail** objects	PDP5 authentication exception information
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes
error_msg	String	Error message.

Table 3-1489 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

Status code: 500

Table 3-1490 Response body parameters

Parameter	Type	Description
details	Array of **DbssErrorDetail** objects	PDP5 authentication exception information
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes
error_msg	String	Error message.

Table 3-1491 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

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Example Requests

```
/v1/{project_id}/db-encrypt/{instance_id}
```

Example Responses

Status code: 200

OK

```
{
  "result" : "success"
}
```

Status Codes

Status Code	Description
200	OK
400	Invalid request parameter.
401	Authorization failed.
403	Unauthorized
500	Server error.

Error Codes

See **Error Codes**.

3.17.11 Purchasing an Encrypted Database Instance in Yearly/Monthly Mode

Function

Buying a Database Encryption Instance in Pay-per-Use Mode

URI

POST /v2/{project_id}/db-encrypt/charge/period/order

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Table 3-1492 Path Parameters

Parameter	Mandatory	Type	Description
project_id	Yes	String	**Definition**: Project ID You can obtain the value by calling the IAM API for querying the project list of a specified IAM user. ** Restrictions**: N/A **Range**: The value is subject to the return value of the IAM service interface. The value contains 32 to 64 characters. ** Default value**: N/A

Request Parameters

Table 3-1493 Request header parameters

Parameter	Mandatory	Type	Description
X-Auth-Token	Yes	String	**Definition**: User token. The token can be queried by calling the IAM API. (The token is the value of X-Subject-Token in the response header.) ** Restrictions**: N/A **Range**: Used by the IAM service to query the user token. ** Default value**: N/A

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Table 3-1494 Request body parameters

Parameter	Mandatory	Type	Description
tags	No	Array of **ResourceTagInfoBean** objects	Resource tags
asset_nums	Yes	Integer	Asset Quantity
availability_zone	Yes	String	AZ
charging_mode	Yes	Integer	Billing mode. The options are as follows:
cloud_service_type	Yes	String	Service Type
comment	No	String	Remarks.
composite_product_id	No	String	Package
deploy_mode	Yes	String	Instance deployment mode. The default value is cloud. • CLOUD: cloud • OUTSIDE: outside the cloud
discount_id	No	String	Discount ID.
enterprise_project_id	Yes	String	Enterprise project ID
flavor_ref	Yes	String	ECS flavor ID
hx_password	Yes	String	The password for logging in to the management console.
image_business_type	Yes	Integer	Mirroring Service Type
is_auto_renew	Yes	Integer	Self-paid renewal • 1: automatic • 0: no
name	Yes	String	Instance name
nics	Yes	Array of **Nic** objects	Network interface information.
outside_ins_config	No	**OutsideInsConfig** object	Cloud Instance Configuration
period_num	Yes	Integer	Number of subscription periods

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Parameter	Mandatory	Type	Description
period_type	Yes	Integer	Subscription period type.
product_infos	Yes	Array of **ProductInfoBeanNew** objects	Product list
promotion_activity_id	No	String	Promotion ID.
promotion_info	No	String	Discount information.
public_ip	No	**PublicIp** object	Elastic IP Address
region_id	No	String	Region ID.
security_groups	Yes	Array of **SecurityGroup** objects	Security group information
subscription_num	Yes	Integer	Subscription quantity. Currently, only one device is supported.
vpc_id	Yes	String	VPC ID

Table 3-1495 ResourceTagInfoBean

Parameter	Mandatory	Type	Description
key	No	String	Tag key
value	Yes	String	Tag value

Table 3-1496 Nic

Parameter	Mandatory	Type	Description
ip_address	No	String	IP address. If this parameter is left blank or is set to an empty string, the IP address is automatically allocated.
subnet_id	No	String	Subnet ID

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Table 3-1497 OutsideInsConfig

Parameter	Mandatory	Type	Description
master_node_ip	No	String	Primary Node IP Address
slave_node_ip	No	String	Slave node IP address
virtual_ip	No	String	Virtual IP address

Table 3-1498 ProductInfoBeanNew

Parameter	Mandatory	Type	Description
all_resource_names	No	Array of strings	Names of all resources
cloud_service_type	No	String	Cloud Service Type
display_id	No	String	Display ID
product_id	No	String	Product ID
product_spec_desc	No	String	Specifies the description of product specifications.
resource_name	No	String	Resource name.
resource_spec_code	No	String	resource_spec
resource_type	No	String	Resource Type

Table 3-1499 PublicIp

Parameter	Mandatory	Type	Description
eip	No	**EIP** object	EIP information.
id	No	String	IP Address ID

Table 3-1500 EIP

Parameter	Mandatory	Type	Description
bandwidth	No	**BandWidth** object	Bandwidth parameters.
ipproductid	No	String	IP Product ID

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Parameter	Mandatory	Type	Description
iptype	No	String	EIP Type

Table 3-1501 BandWidth

Parameter	Mandatory	Type	Description
chargemode	No	String	Specifies the billing mode.
productid	No	String	Product ID corresponding to the bandwidth.
sharetype	No	String	Share type. Currently, only PER is supported.
size	No	Integer	Bandwidth: 1-100 Mbit/s (pay-per-use); 1-300 Mbit/s (yearly/monthly)

Table 3-1502 SecurityGroup

Parameter	Mandatory	Type	Description
id	No	String	Security group ID.

Response Parameters

Status code: 200

Table 3-1503 Response body parameters

Parameter	Type	Description
code	String	Return code
description	String	Description
order_id	String	Order ID.

Status code: 400

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Table 3-1504 Response body parameters

Parameter	Type	Description
details	Array of **DbssErrorDetail** objects	PDP5 authentication exception information
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes
error_msg	String	Error message.

Table 3-1505 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

Status code: 401

Table 3-1506 Response body parameters

Parameter	Type	Description
details	Array of **DbssErrorDetail** objects	PDP5 authentication exception information
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes
error_msg	String	Error message.

Table 3-1507 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

Status code: 403

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Table 3-1508 Response body parameters

Parameter	Type	Description
details	Array of **DbssErrorDetail** objects	PDP5 authentication exception information
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes
error_msg	String	Error message.

Table 3-1509 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

Status code: 500

Table 3-1510 Response body parameters

Parameter	Type	Description
details	Array of **DbssErrorDetail** objects	PDP5 authentication exception information
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes
error_msg	String	Error message.

Table 3-1511 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

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Example Requests

/v2/{project_id}/db-encrypt/charge/period/order


```
{
  "flavor_ref" : "s6.2xlarge.2",
  "name" : "DBSS-f5e1",
  "vpc_id" : "21f3dac4-f460-4173-ba5e-cb7a0d528605",
  "availability_zone" : "cn-north-7c,cn-north-7c",
  "nics" : [ {
    "subnet_id" : "cbed162e-045a-4afd-aa2b-0da11219989c"
  } ],
  "security_groups" : [ {
    "id" : "0070ec22-bae4-4df3-af3d-9f928297b3b7"
  } ],
  "cloud_service_type" : "hws.service.type.dbss",
  "charging_mode" : 0,
  "period_type" : 2,
  "period_num" : 1,
  "subscription_num" : 1,
  "is_auto_renew" : 0,
  "promotion_info" : "",
  "product_infos" : [ {
    "product_id" : "OFFI1009xxxxxxx720693761",
    "cloud_service_type" : "hws.service.type.dbss",
    "resource_type" : "hws.resource.type.dbss.encrypt",
    "resource_spec_code" : "dbss.encrypt.high",
    "product_spec_desc" : "{\"spec_desc\":{\"zh-cn\":{\" Host name \":\"DBSS-f5e1\", \"Specifications\":
\"Database Audit Encryption Enhancement Edition\", \"VPC\": \"VPC-IPV4-Do not enable IPv6\", \"Subnet
\":\"subnet-ipv4\"},\"en-us\":{\"Instance Name\":\"DBSS-f5e1\",\"Edition\": \"Database Audit Encryption
Enhancement Edition\", \"VPC\": \"VPC-IPV4-Do not enable ipv6\",\"Subnet\":\"subnet-ipv4\"}}}"
  } ],
  "region_id" : "cn-north-7",
  "hx_password" : "Firelanxxxxxxxxe123!",
  "asset_nums" : 10,
  "image_business_type" : 1,
  "public_ip" : {
    "id" : "df0d32e1-671e-482b-bafd-413fa67d3add",
    "eip" : null
  },
  "enterprise_project_id" : "0"
}
```


Example Responses

Status code: 200

OK


```
{
  "description" : "Success",
  "code" : "0",
  "order_id" : "CS250825171489W7N"
}
```


Status Codes

Status Code	Description
200	OK
400	Invalid request parameter.
401	Authorization failed.

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Status Code	Description
403	Unauthorized
500	Server error.

Error Codes

See **Error Codes**.

3.18 TMS Tag

3.18.1 Querying resource tags in a specified project.

Function

Querying resource tags in a specified project.

URI

GET /v1/{project_id}/{resource_type}/tags

Table 3-1512 Path Parameters

Parameter	Mandatory	Type	Description
project_id	Yes	String	**Definition**: Project ID You can obtain the value by calling the IAM API for querying the project list of a specified IAM user. ** Restrictions**: N/A **Range**: The value is subject to the return value of the IAM service interface. The value contains 32 to 64 characters. ** Default value**: N/A

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Parameter	Mandatory	Type	Description
resource_type	Yes	String	**Definition**: Resource type ** Restrictions**: N/A **Range**: • auditInstance: audit ** Default value**: N/A

Request Parameters

Table 3-1513 Request header parameters

Parameter	Mandatory	Type	Description
X-Auth-Token	Yes	String	** Parameter description**: User token. You can obtain the token by calling the IAM API used to query the user token. The token is the value of X-Subject-Token in the response header. ** Restrictions**: N/A ** Value range**: Used by the IAM service to query the user token. ** Default value**: N/A

Response Parameters

Status code: 200

Table 3-1514 Response body parameters

Parameter	Type	Description
tags	Array of **tags** objects	Tag list.

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Table 3-1515 tags

Parameter	Type	Description
key	String	Key. It can contain a maximum of 128 characters.
values	Array of strings	Values. Each value can contain a maximum of 255 characters.

Status code: 400

Table 3-1516 Response body parameters

Parameter	Type	Description
details	Array of **DbssErrorDetail** objects	PDP5 authentication exception information
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes
error_msg	String	Error message.

Table 3-1517 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

Status code: 403

Table 3-1518 Response body parameters

Parameter	Type	Description
details	Array of **DbssErrorDetail** objects	PDP5 authentication exception information
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes

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Parameter	Type	Description
error_msg	String	Error message.

Table 3-1519 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

Status code: 500

Table 3-1520 Response body parameters

Parameter	Type	Description
details	Array of DbssErrorDetail objects	PDP5 authentication exception information
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes
error_msg	String	Error message.

Table 3-1521 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

Example Requests

/v1/{project_id}/{resource_type}/tags

Example Responses

Status code: 200

Success

```
{
  "tags" : [ {
    "key" : "key1",
```

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```
    "values" : [ "value1", "value2" ]
  }, {
    "key" : "key2",
    "values" : [ "value1", "value2" ]
  } ]
}
```

Status Codes

Status Code	Description
200	Success
400	Failed
403	Authorization failed.
500	Server error.

Error Codes

See **Error Codes**.

3.18.2 Querying the Resource Instance List by Tag

Function

Querying the Resource Instance List by Tag

URI

POST /v1/{project_id}/{resource_type}/resource-instances/filter

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Table 3-1522 Path Parameters

Parameter	Mandatory	Type	Description
project_id	Yes	String	**Definition**: Project ID You can obtain the value by calling the IAM API for querying the project list of a specified IAM user. ** Restrictions**: N/A **Range**: The value is subject to the return value of the IAM service interface. The value contains 32 to 64 characters. ** Default value**: N/A
resource_type	Yes	String	**Definition**: Resource type ** Restrictions**: N/A **Range**: • auditInstance: audit ** Default value**: N/A

Table 3-1523 Query Parameters

Parameter	Mandatory	Type	Description
limit	No	String	**Definition**: Number of records queried on each page. ** Restrictions**: Only integers greater than 0 are supported. **Range**: Greater than 0 and less than or equal to 10000 ** Default value**: The default value is 1000.

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Parameter	Mandatory	Type	Description
offset	No	String	**Definition**: Pagination offset. The query starts from the next piece of data indexed by this parameter. ** Restrictions**: Only integers greater than or equal to 0 are supported. **Range**: Greater than or equal to 0 ** Default value**: The default value is 0.

Request Parameters

Table 3-1524 Request header parameters

Parameter	Mandatory	Type	Description
X-Auth-Token	Yes	String	**Definition**: User token. The token can be queried by calling the IAM API. (The token is the value of X-Subject-Token in the response header.) ** Restrictions**: N/A **Range**: Used by the IAM service to query the user token. ** Default value**: N/A

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Table 3-1525 Request body parameters

Parameter	Mandatory	Type	Description
matches	No	Array of **matches** objects	Specifies the search criteria. The tag key is the parameter to match, for example, resource_name. **value** indicates the value that the field needs to match. The key is a fixed dictionary value and cannot contain duplicate keys or unsupported keys. Check whether fuzzy match is required based on the key value. For example, if key is set to resource_name, fuzzy search (case-insensitive) is performed by default. If value is empty, exact match is performed. Most services do not have resources without names. In this case, an empty list is returned. If **key** is set to **resource_id**, exact match is used. Only resource_name for key is supported. Other key values will be available later.
not_tags	No	Array of **TagKeyValuesBean** objects	The resources to be queried do not contain tags listed in not_tags. Each resource to be queried contains a maximum of 50 keys. Each tag key can have a maximum of 10 tag values. The tag value corresponding to each tag key can be an empty array but the structure cannot be missing. Each tag key and each value of the same tag key must be unique. The response returns resources containing no tags in this list. Keys in this list are in an AND relationship while values in each key-value structure are in an OR relationship. If no tag filtering condition is specified, full data is returned.

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Parameter	Mandatory	Type	Description
tags	No	Array of **TagKeyValuesBean** objects	Clusters with tags. A cluster with tags can contain a maximum of 50 keys. Each key can have a maximum of 10 values. The value of each key can be an empty array, but it must be included in the tag structure. Each tag key and each value of the same tag key must be unique. The response returns resources containing all tags in this list. Keys in this list are in the AND relationship and values in each key-value structure are in the OR relationship. If no tag filtering condition is specified, full data is returned.
tags_any	No	Array of **TagKeyValuesBean** objects	The resources to be queried contain any tags listed in tags_any. Each resource to be queried contains a maximum of 50 keys. Each tag key can have a maximum of 10 tag values. The tag value corresponding to each tag key can be an empty array but the structure cannot be missing. Each tag key and each value of the same tag key must be unique. The response returns instances containing any tag in this list. Keys in this list are in the OR relationship and values in each key-value structure are also in the OR relationship. If no tag filtering condition is specified, full data is returned.

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Parameter	Mandatory	Type	Description
not_tags_any	No	Array of **TagKeyValuesBean** objects	The resources to be queried do not contain any tags listed in not_tags_any. Each resource to be queried contains a maximum of 50 keys. Each tag key can have a maximum of 10 tag values. The tag value corresponding to each tag key can be an empty array but the structure cannot be missing. Each tag key and each value of the same tag key must be unique. The response returns resources containing no tag in this list. Keys in this list are in the OR relationship and values in each key-value structure are also in the OR relationship. If no tag filtering condition is specified, full data is returned.
sys_tags	No	Array of **TagKeyValuesBean** objects	Only users with the op_service permission can use this field to filter resources.Only one tag structure is contained when this API is called by Tag Management Service (TMS).The key is fixed at _sys_enterprise_project_id.The value is the ID of an enterprise project.Currently, each key can contain only one value. 0 indicates the default enterprise project.sys_tags and tenant tag filtering conditions (without_any_tag, tags, tags_any, not_tags, and not_tags_any) cannot be used at the same time.If sys_tags is unavailable, the tag interface is used for processing. If no tag filtering condition is available, full data is returned.
without_any_tag	No	Boolean	Clusters without any tags. If this field is set to **true**, all resources without tags are queried. In this case, the **tags**, **tags_any**, **not_tags**, and **not_tags_any** fields are ignored.

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Table 3-1526 matches

Parameter	Mandatory	Type	Description
key	No	String	Key. Only resource_name is supported.
value	No	String	Value, which is the name of the resource to be matched.

Table 3-1527 TagKeyValuesBean

Parameter	Mandatory	Type	Description
key	Yes	String	Key. It can contain a maximum of 128 Unicode characters. The tag key cannot be left blank. (The character set of this parameter is not verified during search.) The key cannot be left blank or set to an empty string. Spaces are not allowed. Before verification or usage, delete the single-byte character (SBC) before and after the key.
values	Yes	Array of strings	List of tag values. Each value can contain a maximum of 255 Unicode characters. Before verification and usage, delete SBC spaces before and after the value. The value can be an empty array but cannot be left blank. If **values** is left empty, it indicates any value. The values are in the OR relationship.

Response Parameters

Status code: 200

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Table 3-1528 Response body parameters

Parameter	Type	Description
resources	Array of **resources** objects	Resource instance list.
total_count	Integer	Specifies the total number of records.

Table 3-1529 resources

Parameter	Type	Description
resource_id	String	Resource id
resource_name	String	Resource name, which is an empty string by default if the resource does not have a name. If the resource is an EIP, the IP address is returned.
resource_detail	Object	Resource details. This field is reserved for subsequent extension, and its value defaults to an empty string.
tags	Array of **tags** objects	Tag list. If there is no tag, an empty array is used by default.
sys_tags	Array of **sys_tags** objects	Only the op_service permission can obtain this field. Only one **resource_tag** structure is included currently. The key is fixed at _sys_enterprise_project_id. value: enterprise project ID. The value 0 indicates the default enterprise project. This field is not returned for the non-op_service permission.

Table 3-1530 tags

Parameter	Type	Description
key	String	Key
value	String	Value

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Table 3-1531 sys_tags

Parameter	Type	Description
key	String	Key
value	String	Value

Status code: 400

Table 3-1532 Response body parameters

Parameter	Type	Description
details	Array of DbssErrorDetail objects	PDP5 authentication exception information
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes
error_msg	String	Error message.

Table 3-1533 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

Status code: 403

Table 3-1534 Response body parameters

Parameter	Type	Description
details	Array of DbssErrorDetail objects	PDP5 authentication exception information
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes
error_msg	String	Error message.

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Table 3-1535 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

Status code: 500

Table 3-1536 Response body parameters

Parameter	Type	Description
details	Array of DbssErrorDetail objects	PDP5 authentication exception information
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes
error_msg	String	Error message.

Table 3-1537 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

Example Requests

/v1/{project_id}/{resource_type}/resource-instances/filter

```
{
  "matches" : [ {
    "key" : "resource_name",
    "value" : "resource1"
  } ],
  "not_tags" : [ {
    "key" : "key1",
    "values" : [ "*value1", "value2" ]
  } ],
  "tags" : [ {
    "key" : "key1",
    "values" : [ "*value1", "value2" ]
  } ],
  "tags_any" : [ {
    "key" : "key1",
    "values" : [ "value1", "value2" ]
  } ],
  "not_tags_any" : [ {
```

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```
    "key" : "key1",
    "values" : [ "value1", "value2" ]
  } ],
  "sys_tags" : [ {
    "key" : "_sys_enterprise_project_id",
    "values" : [ "5aa119a8-d25b-45a7-8d1b-88e127885635" ]
  } ]
}
```

Example Responses

Status code: 200

Success

```
{
  "resources" : [ {
    "resource_detail" : null,
    "resource_id" : "cdfs_cefs_wesas_12_dsad",
    "resource_name" : "resouece1",
    "tags" : [ {
      "key" : "key1",
      "value" : "value1"
    }, {
      "key" : "key2",
      "value" : "value1"
    } ],
    "sys_tags" : [ {
      "key" : "_sys_enterprise_project_id",
      "value" : "5aa119a8-d25b-45a7-8d1b-88e127885635"
    } ]
  } ],
  "total_count" : 1000
}
```

Status Codes

Status Code	Description
200	Success
400	Failed
403	Authorization failed.
500	Server error.

Error Codes

See **Error Codes**.

3.18.3 Querying the Number of Resource Instances by Tag

Function

Querying the Number of Resource Instances by Tag

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URI

POST /v1/{project_id}/{resource_type}/resource-instances/count

Table 3-1538 Path Parameters

Parameter	Mandatory	Type	Description
project_id	Yes	String	** Parameter description**: Specifies the project ID. You can obtain the value by calling the IAM API for querying the project list of a specified IAM user. ** Restrictions**: N/A ** Value range**: The value is subject to the return value of the IAM service interface. The value contains 32 to 64 characters. ** Default value**: N/A
resource_type	Yes	String	**Definition**: Resource type ** Restrictions**: N/A **Range**: • auditInstance: audit ** Default value**: N/A

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Request Parameters

Table 3-1539 Request header parameters

Parameter	Mandatory	Type	Description
X-Auth-Token	Yes	String	** Parameter description**: User token. You can obtain the token by calling the IAM API used to query the user token. The token is the value of X-Subject-Token in the response header. ** Restrictions**: N/A ** Value range**: Used by the IAM service to query the user token. ** Default value**: N/A

Table 3-1540 Request body parameters

Parameter	Mandatory	Type	Description
matches	No	Array of **matches** objects	Specifies the search criteria. The tag key is the parameter to match, for example, resource_name. **value** indicates the value that the field needs to match. The key is a fixed dictionary value and cannot contain duplicate keys or unsupported keys. Check whether fuzzy match is required based on the key value. For example, if key is set to resource_name, fuzzy search (case-insensitive) is performed by default. If value is empty, exact match is performed. Most services do not have resources without names. In this case, an empty list is returned. If **key** is set to **resource_id**, exact match is used. Only resource_name for key is supported. Other key values will be available later.

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Parameter	Mandatory	Type	Description
not_tags	No	Array of **TagKeyValuesBean** objects	The resources to be queried do not contain tags listed in not_tags. Each resource to be queried contains a maximum of 50 keys. Each tag key can have a maximum of 10 tag values. The tag value corresponding to each tag key can be an empty array but the structure cannot be missing. Each tag key and each value of the same tag key must be unique. The response returns resources containing no tags in this list. Keys in this list are in an AND relationship while values in each key-value structure are in an OR relationship. If no tag filtering condition is specified, full data is returned.
tags	No	Array of **TagKeyValuesBean** objects	Clusters with tags. A cluster with tags can contain a maximum of 50 keys. Each key can have a maximum of 10 values. The value of each key can be an empty array, but it must be included in the tag structure. Each tag key and each value of the same tag key must be unique. The response returns resources containing all tags in this list. Keys in this list are in the AND relationship and values in each key-value structure are in the OR relationship. If no tag filtering condition is specified, full data is returned.

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Parameter	Mandatory	Type	Description
tags_any	No	Array of **TagKeyValuesBean** objects	The resources to be queried contain any tags listed in tags_any. Each resource to be queried contains a maximum of 50 keys. Each tag key can have a maximum of 10 tag values. The tag value corresponding to each tag key can be an empty array but the structure cannot be missing. Each tag key and each value of the same tag key must be unique. The response returns instances containing any tag in this list. Keys in this list are in the OR relationship and values in each key-value structure are also in the OR relationship. If no tag filtering condition is specified, full data is returned.
not_tags_any	No	Array of **TagKeyValuesBean** objects	The resources to be queried do not contain any tags listed in not_tags_any. Each resource to be queried contains a maximum of 50 keys. Each tag key can have a maximum of 10 tag values. The tag value corresponding to each tag key can be an empty array but the structure cannot be missing. Each tag key and each value of the same tag key must be unique. The response returns resources containing no tag in this list. Keys in this list are in the OR relationship and values in each key-value structure are also in the OR relationship. If no tag filtering condition is specified, full data is returned.

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Parameter	Mandatory	Type	Description
sys_tags	No	Array of **TagKeyValuesBean** objects	Only users with the op_service permission can use this field to filter resources.Only one tag structure is contained when this API is called by Tag Management Service (TMS).The key is fixed at _sys_enterprise_project_id.The value is the ID of an enterprise project.Currently, each key can contain only one value. 0 indicates the default enterprise project.sys_tags and tenant tag filtering conditions (without_any_tag, tags, tags_any, not_tags, and not_tags_any) cannot be used at the same time.If sys_tags is unavailable, the tag interface is used for processing. If no tag filtering condition is available, full data is returned.
without_any_tag	No	Boolean	Clusters without any tags. If this field is set to **true**, all resources without tags are queried. In this case, the **tags**, **tags_any**, **not_tags**, and **not_tags_any** fields are ignored.

Table 3-1541 matches

Parameter	Mandatory	Type	Description
key	No	String	Key. Only resource_name is supported.
value	No	String	Value, which is the name of the resource to be matched.

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Table 3-1542 TagKeyValuesBean

Parameter	Mandatory	Type	Description
key	Yes	String	Key. It can contain a maximum of 128 Unicode characters. The tag key cannot be left blank. (The character set of this parameter is not verified during search.) The key cannot be left blank or set to an empty string. Spaces are not allowed. Before verification or usage, delete the single-byte character (SBC) before and after the key.
values	Yes	Array of strings	List of tag values. Each value can contain a maximum of 255 Unicode characters. Before verification and usage, delete SBC spaces before and after the value. The value can be an empty array but cannot be left blank. If **values** is left empty, it indicates any value. The values are in the OR relationship.

Response Parameters

Status code: 200

Table 3-1543 Response body parameters

Parameter	Type	Description
resources	Array of **resources** objects	Resource instance list.
total_count	Integer	Specifies the total number of records.

Table 3-1544 resources

Parameter	Type	Description
resource_id	String	Resource id

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Parameter	Type	Description
resource_name	String	Resource name, which is an empty string by default if the resource does not have a name. If the resource is an EIP, the IP address is returned.
resource_detail	Object	Resource details. This field is reserved for subsequent extension, and its value defaults to an empty string.
tags	Array of **tags** objects	Tag list. If there is no tag, an empty array is used by default.
sys_tags	Array of **sys_tags** objects	Only the op_service permission can obtain this field. Only one **resource_tag** structure is included currently. The key is fixed at _sys_enterprise_project_id. value: enterprise project ID. The value 0 indicates the default enterprise project. This field is not returned for the non-op_service permission.

Table 3-1545 tags

Parameter	Type	Description
key	String	Key
value	String	Value

Table 3-1546 sys_tags

Parameter	Type	Description
key	String	Key
value	String	Value

Status code: 400

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Table 3-1547 Response body parameters

Parameter	Type	Description
details	Array of **DbssErrorDetail** objects	PDP5 authentication exception information
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes
error_msg	String	Error message.

Table 3-1548 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

Status code: 403

Table 3-1549 Response body parameters

Parameter	Type	Description
details	Array of **DbssErrorDetail** objects	PDP5 authentication exception information
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes
error_msg	String	Error message.

Table 3-1550 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

Status code: 500

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Table 3-1551 Response body parameters

Parameter	Type	Description
details	Array of DbssErrorDetail objects	PDP5 authentication exception information
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes
error_msg	String	Error message.

Table 3-1552 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

Example Requests

/v1/{project_id}/{resource_type}/resource-instances/count

```
{
  "matches" : [ {
    "key" : "resource_name",
    "value" : "resource1"
  } ],
  "not_tags" : [ {
    "key" : "key1",
    "values" : [ "*value1", "value2" ]
  } ],
  "tags" : [ {
    "key" : "key1",
    "values" : [ "*value1", "value2" ]
  } ],
  "tags_any" : [ {
    "key" : "key1",
    "values" : [ "value1", "value2" ]
  } ],
  "not_tags_any" : [ {
    "key" : "key1",
    "values" : [ "value1", "value2" ]
  } ],
  "sys_tags" : [ {
    "key" : "_sys_enterprise_project_id",
    "values" : [ "5aa119a8-d25b-45a7-8d1b-88e127885635" ]
  } ]
}
```

Example Responses

Status code: 200

Success

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```
{
  "total_count" : 1000
}
```

Status Codes

Status Code	Description
200	Success
400	Failed
403	Authorization failed.
500	Server error.

Error Codes

See **Error Codes**.

3.18.4 Batch Tagging Resources

Function

Batch Tagging Resources

URI

POST /v1/{project_id}/{resource_type}/{resource_id}/tags/create

Table 3-1553 Path Parameters

Parameter	Mandatory	Type	Description
project_id	Yes	String	**Definition**: Project ID. You can obtain the value by calling the IAM API for querying the project list of a specified IAM user. **Constraints** N/A **Range**: The value is subject to the return value of the IAM service interface. The value contains 32 to 64 characters. ** Default value**: N/A

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Parameter	Mandatory	Type	Description
resource_type	Yes	String	**Definition**: Resource type ** Restrictions**: N/A **Range**: • auditInstance: audit ** Default value**: N/A
resource_id	Yes	String	**Definition**: Resource ID. You can obtain the value from the resource_id field in the API for querying the instance list. **Constraints** N/A **Range**: The value is obtained by calling the API for querying the instance list. The value contains 32 to 64 characters. **Default Value**: N/A

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Request Parameters

Table 3-1554 Request header parameters

Parameter	Mandatory	Type	Description
X-Auth-Token	Yes	String	** Parameter description**: User token. You can obtain the token by calling the IAM API used to query the user token. The token is the value of X-Subject-Token in the response header. ** Restrictions**: N/A ** Value range**: Used by the IAM service to query the user token. ** Default value**: N/A

Table 3-1555 Request body parameters

Parameter	Mandatory	Type	Description
tags	No	Array of **tags** objects	Tag list. This field is mandatory when the tenant permission is used. For the op_service permission, choose either this field or **sys_tags**.
sys_tags	No	Array of **sys_tags** objects	System tag list. This field is only available to the op_service permission. Choose either this field or **tags**. Currently, TMS invokes only one resource_tag structure. The key is fixed as _sys_enterprise_project_id. The value is UUID or 0. 0 indicates the default enterprise project.

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Table 3-1556 tags

Parameter	Mandatory	Type	Description
key	Yes	String	Key. It can contain a maximum of 128 characters.
value	Yes	String	Value. Each value can contain a maximum of 255 characters.

Table 3-1557 sys_tags

Parameter	Mandatory	Type	Description
key	Yes	String	Key. It can contain a maximum of 128 characters.
value	Yes	String	Value. Each value can contain a maximum of 255 characters.

Response Parameters

Status code: 204

Success

Status code: 400

Table 3-1558 Response body parameters

Parameter	Type	Description
details	Array of **DbssErrorDetail** objects	PDP5 authentication exception information
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes
error_msg	String	Error message.

Table 3-1559 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

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Status code: 403

Table 3-1560 Response body parameters

Parameter	Type	Description
details	Array of **DbssErrorDetail** objects	PDP5 authentication exception information
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes
error_msg	String	Error message.

Table 3-1561 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

Status code: 500

Table 3-1562 Response body parameters

Parameter	Type	Description
details	Array of **DbssErrorDetail** objects	PDP5 authentication exception information
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes
error_msg	String	Error message.

Table 3-1563 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

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Example Requests

```
/v1/{project_id}/{resource_type}/{resource_id}/tags/create

{
  "tags" : [ {
    "key" : "key1",
    "value" : "value1"
  } ]
}
```

Example Responses

None

Status Codes

Status Code	Description
204	Success
400	Failed
403	Authorization failed.
500	Server error.

Error Codes

See **Error Codes**.

3.18.5 Batch Deleting Resource Tags

Function

Batch Deleting Resource Tags

URI

DELETE /v1/{project_id}/{resource_type}/{resource_id}/tags/delete

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Table 3-1564 Path Parameters

Parameter	Mandatory	Type	Description
project_id	Yes	String	** Parameter description**: Specifies the project ID. You can obtain the value by calling the IAM API for querying the project list of a specified IAM user. **Constraints** N/A **Range**: The value is subject to the return value of the IAM service interface. The value contains 32 to 64 characters. **Default Value**: N/A
resource_type	Yes	String	**Definition**: Resource type ** Restrictions**: N/A **Range**: • auditInstance: audit ** Default value**: N/A
resource_id	Yes	String	**Definition**: Resource ID. You can obtain the value from the resource_id field in the API for querying the instance list. **Constraints** N/A **Range**: The value is obtained by calling the API for querying the instance list. The value contains 32 to 64 characters. **Default Value**: N/A

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Request Parameters

Table 3-1565 Request header parameters

Parameter	Mandatory	Type	Description
X-Auth-Token	Yes	String	**Definition**: User token. The token can be queried by calling the IAM API. (The token is the value of X-Subject-Token in the response header.) **Constraints** N/A **Range**: Used by the IAM service to query the user token. **Default Value**: N/A

Table 3-1566 Request body parameters

Parameter	Mandatory	Type	Description
tags	No	Array of **tags** objects	Tag list. This field is mandatory when the tenant permission is used. For the op_service permission, choose either this field or **sys_tags**.
sys_tags	No	Array of **sys_tags** objects	System tag list. This field is only available to the op_service permission. Choose either this field or **tags**. Currently, TMS invokes only one resource_tag structure. The key is fixed as _sys_enterprise_project_id. The value is UUID or 0. 0 indicates the enterprise project by default. Currently, only create is supported.

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Table 3-1567 tags

Parameter	Mandatory	Type	Description
key	Yes	String	Key. It can contain a maximum of 128 characters.
value	No	String	Value. Each value can contain a maximum of 255 characters.

Table 3-1568 sys_tags

Parameter	Mandatory	Type	Description
key	Yes	String	Key. It can contain a maximum of 128 characters.
value	No	String	Value. Each value can contain a maximum of 255 characters.

Response Parameters

Status code: 204

Table 3-1569 Response body parameters

Parameter	Type	Description
-	String	

Status code: 400

Table 3-1570 Response body parameters

Parameter	Type	Description
details	Array of DbssErrorDetail objects	PDP5 authentication exception information
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes
error_msg	String	Error message.

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Table 3-1571 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

Status code: 403

Table 3-1572 Response body parameters

Parameter	Type	Description
details	Array of **DbssErrorDetail** objects	PDP5 authentication exception information
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes
error_msg	String	Error message.

Table 3-1573 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

Status code: 500

Table 3-1574 Response body parameters

Parameter	Type	Description
details	Array of **DbssErrorDetail** objects	PDP5 authentication exception information
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes
error_msg	String	Error message.

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Table 3-1575 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

Example Requests

```
/v1/{project_id}/{resource_type}/{resource_id}/tags/delete

{
  "tags" : [ {
    "key" : "key1"
  }, {
    "key" : "key2",
    "value" : "value3"
  } ]
}
```

Example Responses

None

Status Codes

Status Code	Description
204	Success
400	Failed
403	Authorization failed.
500	Server error.

Error Codes

See **Error Codes**.

3.18.6 Obtaining Instance Tags

Function

Obtaining Instance Tags

URI

GET /v1/{project_id}/{resource_type}/{resource_id}/tags

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Table 3-1576 Path Parameters

Parameter	Mandatory	Type	Description
project_id	Yes	String	**Definition**: Specifies the project ID. You can obtain the value by calling the IAM API for querying the project list of a specified IAM user. **Constraints** N/A **Range**: The value is subject to the return value of the IAM service interface. The value contains 32 to 64 characters. **Default Value**: N/A
resource_type	Yes	String	**Definition**: Resource type **Constraints** N/A **Range**: • auditInstance: audit ** Default value**: N/A
resource_id	Yes	String	**Definition**: Resource ID. You can obtain the value from the resource_id field in the API for querying the instance list. **Constraints** N/A **Range**: The value is obtained by calling the API for querying the instance list. The value contains 32 to 64 characters. **Default Value**: N/A

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Request Parameters

Table 3-1577 Request header parameters

Parameter	Mandatory	Type	Description
X-Auth-Token	Yes	String	**Definition**: User token. You can obtain the token by calling the IAM API used to query the user token. The token is the value of X-Subject-Token in the response header. **Constraints** N/A ** Value range**: Used by the IAM service to query the user token. ** Default value**: N/A

Response Parameters

Status code: 200

Table 3-1578 Response body parameters

Parameter	Type	Description
tags	Array of **ResourceTagInfo-Bean** objects	Custom tag
sys_tags	Array of **ResourceTagInfo-Bean** objects	Specifies the system tags.

Table 3-1579 ResourceTagInfoBean

Parameter	Type	Description
key	String	Tag key
value	String	Tag value

Status code: 400

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Table 3-1580 Response body parameters

Parameter	Type	Description
details	Array of **DbssErrorDetail** objects	PDP5 authentication exception information
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes
error_msg	String	Error message.

Table 3-1581 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

Status code: 401

Table 3-1582 Response body parameters

Parameter	Type	Description
details	Array of **DbssErrorDetail** objects	PDP5 authentication exception information
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes
error_msg	String	Error message.

Table 3-1583 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

Status code: 403

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Table 3-1584 Response body parameters

Parameter	Type	Description
details	Array of **DbssErrorDetail** objects	PDP5 authentication exception information
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes
error_msg	String	Error message.

Table 3-1585 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

Status code: 500

Table 3-1586 Response body parameters

Parameter	Type	Description
details	Array of **DbssErrorDetail** objects	PDP5 authentication exception information
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes
error_msg	String	Error message.

Table 3-1587 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

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Example Requests

```
/v1/{project_id}/{resource_type}/{resource_id}/tags
```

Example Responses

Status code: 200

OK

```
{
  "tags" : [ {
    "key" : "1",
    "value" : "test tag"
  } ],
  "sys_tags" : [ ]
}
```

Status Codes

Status Code	Description
200	OK
400	Invalid request parameter.
401	Authorization failed.
403	Unauthorized
500	Server error.

Error Codes

See **Error Codes**.

3.19 APIs to Be Taken Offline

3.19.1 Deleting an Audit Instance (To Be Brought Offline)

Function

This operation can be performed only when the pay-per-use instance has no tasks or the yearly/monthly instance is faulty.

URI

DELETE /v1/{project_id}/dbss/audit/instances

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Table 3-1588 Path Parameters

Parameter	Mandatory	Type	Description
project_id	Yes	String	**Definition**: Specifies the project ID. You can obtain the value by calling the IAM API for querying the project list of a specified IAM user. **Constraints** N/A **Range**: The value is subject to the return value of the IAM service interface. The value contains 32 to 64 characters. **Default Value**: N/A

Request Parameters

Table 3-1589 Request header parameters

Parameter	Mandatory	Type	Description
X-Auth-Token	Yes	String	**Definition**: User token. You can obtain the token by calling the IAM API used to query the user token. The token is the value of X-Subject-Token in the response header. **Constraints** N/A **Range**: The value is subject to the user token query interface of the IAM service. **Default Value**: N/A

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Table 3-1590 Request body parameters

Parameter	Mandatory	Type	Description
id	Yes	String	**Definition**: Instance ID. The value can be obtained from the ID field of the API for querying the instance list. ** Restrictions**: N/A **Range**: The value is subject to the value of the API for querying the instance list. The value contains 32 to 64 characters. ** Default value**: N/A
delete_publicip	No	Boolean	Whether to delete the elastic IP address.
delete_volume	No	Boolean	Whether to delete the disk

Response Parameters

Status code: 200

Table 3-1591 Response body parameters

Parameter	Type	Description
result	String	Operation Result • success: Request succeeded • failed: failed

Status code: 400

Table 3-1592 Response body parameters

Parameter	Type	Description
details	Array of **DbssErrorDetail** objects	PDP5 authentication exception information

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Parameter	Type	Description
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes
error_msg	String	Error message.

Table 3-1593 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

Status code: 403

Table 3-1594 Response body parameters

Parameter	Type	Description
details	Array of **DbssErrorDetail** objects	PDP5 authentication exception information
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes
error_msg	String	Error message.

Table 3-1595 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

Status code: 500

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Table 3-1596 Response body parameters

Parameter	Type	Description
details	Array of DbssErrorDetail objects	PDP5 authentication exception information
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes
error_msg	String	Error message.

Table 3-1597 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

Example Requests

```
/v1/{project_id}/dbss/audit/instances

{
  "id" : "75abd6de-657b-444b-a867-c740ad2b66ec",
  "delete_publicip" : false,
  "delete_volume" : false
}
```

Example Responses

Status code: 200

Success

```
{
  "result" : "success"
}
```

Status Codes

Status Code	Description
200	Success
400	Failed
403	Authorization failed.
500	Server error.

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Error Codes

See **Error Codes**.

3.19.2 Querying the Database List (To Be Brought Offline)

Function

Querying databases

URI

GET /v1/{project_id}/{instance_id}/dbss/audit/databases

Table 3-1598 Path Parameters

Parameter	Mandatory	Type	Description
project_id	Yes	String	**Definition**: Project ID. You can obtain the value by calling the IAM API for querying the project list of a specified IAM user. **Constraints** N/A **Range**: The value is subject to the return value of the IAM service interface. The value contains 32 to 64 characters. **Default Value**: N/A
instance_id	Yes	String	**Definition**: Instance ID. The value can be obtained from the ID field of the API for querying the instance list. **Constraints** N/A **Range**: The value is subject to the value of the API for querying the instance list. The value contains 32 to 64 characters. **Default Value**: N/A

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Table 3-1599 Query Parameters

Parameter	Mandatory	Type	Description
status	No	String	Instance Status • ON: enabled • OFF: disabled
offset	No	String	**Definition**: Pagination offset. The query starts from the next piece of data indexed by this parameter. **Constraints** Only integers greater than or equal to 0 are supported. **Range**: Greater than or equal to 0 **Default Value**: The default value is 0.
limit	No	String	**Definition**: Number of records queried on each page. **Constraints** Only integers greater than 0 are supported. **Range**: Greater than 0 and less than or equal to 10000 **Default Value**: The default value is 100.

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Request Parameters

Table 3-1600 Request header parameters

Parameter	Mandatory	Type	Description
X-Auth-Token	Yes	String	**Definition**: User token. The token can be queried by calling the IAM API. (The token is the value of X-Subject-Token in the response header.) **Constraints** N/A **Range**: The value is subject to the user token query interface of the IAM service. **Default Value**: N/A

Response Parameters

Status code: 200

Table 3-1601 Response body parameters

Parameter	Type	Description
databases	Array of **DataBaseBean** objects	Database list
total	Integer	Total number of license files

Table 3-1602 DataBaseBean

Parameter	Type	Description
database	**DataBase** object	Database information

Table 3-1603 DataBase

Parameter	Type	Description
id	String	The database record ID.

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Parameter	Type	Description
name	String	Database name
type	String	Type of the database to be added. The value can be: • MYSQL • ORACLE • POSTGRESQL • SQLSERVER • DAMENG • TAURUS • DWS • KINGBASE • GAUSSDBOPENGAUSS • GREENPLUM • HIGHGO • SHENTONG • GBASE8A • GBASE8S • GBASEXDM • MONGODB • DDS
version	String	DB Version
charset	String	Database character sets • GBK • UTF8
ip	String	Database IP address
port	String	Database Port
os	String	Database OS
status	String	Instance Status • ON: enabled • OFF: disabled
instance_name	String	Database instance
audit_status	String	Database status. The value can be: • ACTIVE • SHUTOFF • ERROR
agent_url	Array of strings	Unique ID of an agent

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Parameter	Type	Description
db_classification	String	Database classification. The value can be: • RDS: RDS database • ECS: self-built database
rds_audit_switch_mismatch	Boolean	The audit switch status of the RDS instance does not match. When the database audit function is enabled and the log upload function on RDS is disabled, the value of this field is true.
rds_id	String	ID of the RDS database.
rds_obj_info	String	RDS database information.
dws_obj_info	String	GaussDB(DWS) database information.
clouddb_obj_info	String	Cloud database information. This field has been discarded.

Status code: 400

Table 3-1604 Response body parameters

Parameter	Type	Description
details	Array of **DbssErrorDetail** objects	PDP5 authentication exception information
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes
error_msg	String	Error message.

Table 3-1605 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

Status code: 403

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Table 3-1606 Response body parameters

Parameter	Type	Description
details	Array of **DbssErrorDetail** objects	PDP5 authentication exception information
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes
error_msg	String	Error message.

Table 3-1607 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

Status code: 500

Table 3-1608 Response body parameters

Parameter	Type	Description
details	Array of **DbssErrorDetail** objects	PDP5 authentication exception information
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes
error_msg	String	Error message.

Table 3-1609 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

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Example Requests

/v1/{project_id}/{instance_id}/dbss/audit/databases

Example Responses

Status code: 200

Success


```
{
  "databases" : [ {
    "database" : {
      "id" : "zLKv83gBCwCqSg3BJt0m",
      "name" : "db01",
      "type" : "MYSQL",
      "version" : "5.0",
      "charset" : "UTF8",
      "ip" : "192.168.0.204",
      "port" : "3306",
      "os" : "LINUX64",
      "status" : "OFF",
      "instance_name" : "",
      "audit_status" : null,
      "agent_url" : [ "zrKw83gBCwCqSg3Bkt1P" ],
      "db_classification" : "ECS"
    }
  } ]
}
```


Status Codes

Status Code	Description
200	Success
400	Incorrect request parameter.
403	Authorization failed.
500	Internal server error.

Error Codes

See **Error Codes**.

3.19.3 Creating an Audit Instance in Yearly/Monthly Billing Mode (To Be Brought Offline)

Function

Creating an Audit Instance in Yearly/Monthly Billing Mode

URI

POST /v2/{project_id}/dbss/audit/charge/period/order

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Table 3-1610 Path Parameters

Parameter	Mandatory	Type	Description
project_id	Yes	String	** Parameter description**: Specifies the project ID. You can obtain the value by calling the IAM API for querying the project list of a specified IAM user. ** Restrictions**: N/A ** Value range**: The value is subject to the return value of the IAM service interface. The value contains 32 to 64 characters. ** Default value**: N/A

Request Parameters

Table 3-1611 Request header parameters

Parameter	Mandatory	Type	Description
X-Auth-Token	Yes	String	**Definition**: User token. The token can be queried by calling the IAM API. (The token is the value of X-Subject-Token in the response header.) ** Restrictions**: N/A **Range**: Used by the IAM service to query the user token. ** Default value**: N/A

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Table 3-1612 Request body parameters

Parameter	Mandatory	Type	Description
name	Yes	String	Instance name Range: • The value can contain a maximum of 64 characters, including letters, digits, underscores (_), and hyphens (-).
flavor_ref	Yes	String	Specifies the ID of the specifications used by the ECS.
vpc_id	Yes	String	VPC ID
availability_zone	Yes	String	Availability zone to which the ECS belongs. (Primary and secondary AZs are separated by commas. Example: az1.dc1,az2.dc2)
enterprise_project_id	No	String	Enterprise project ID. Mandatory for interconnecting with EPS.
nics	Yes	Array of **nics** objects	NIC of the ECS
security_groups	Yes	Array of **security_groups** objects	Information about the security group to which the ECS belongs.
comment	No	String	Remarks.
region	Yes	String	ID of the region where the ECS is located.
cloud_service_type	Yes	String	Service type: • hws.service.type.dbss
charging_mode	Yes	Integer	Billing mode: • 0: period-based charging • 1: pay-per-use
period_type	Yes	Integer	Subscription period type. The value can be: • 0: day • 1: week • 2: month • 4: hour • 5: absolute time -3: year

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Parameter	Mandatory	Type	Description
period_num	Yes	Integer	Number of subscription periods
subscription_num	Yes	Integer	Number of subscriptions. Only one set of DBSS can be subscribed to.
product_infos	Yes	Array of **product_infos** objects	Product list.
tags	No	Array of **KeyValueBean** objects	Resource Tag
promotion_info	No	String	Discount information.
is_auto_renew	Yes	Integer	Auto-renewal • 1: automatic renewal • 0: no

Table 3-1613 nics

Parameter	Mandatory	Type	Description
subnet_id	Yes	String	ID of the subnet on which the NIC works.
ip_address	No	String	IP address. If this parameter is left blank or is set to an empty string, the IP address is automatically allocated.

Table 3-1614 security_groups

Parameter	Mandatory	Type	Description
id	Yes	String	Specifies the ID of the security group corresponding to the ECS. This ID takes effect for the NIC configured on the ECS.

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Table 3-1615 product_infos

Parameter	Mandatory	Type	Description
product_id	Yes	String	Product ID
cloud_service_type	Yes	String	Service type: • hws.service.type.dbss
resource_type	Yes	String	Resource type: • hws.resource.type.dbss
resource_spec_code	Yes	String	Resource specifications: • dbss.bypassaudit.low • dbss.bypassaudit.medium • dbss.bypassaudit.high
product_spec_desc	No	String	Product specification description. JSON character string format: {"specDesc":{"zh-cn":{"key1":"value1"},"en-us":{"key1":"value1"}}}

Table 3-1616 KeyValueBean

Parameter	Mandatory	Type	Description
key	Yes	String	Key
value	No	String	Value

Response Parameters

Status code: 200

Table 3-1617 Response body parameters

Parameter	Type	Description
description	String	Description
code	String	Return code
order_id	String	Order ID.

Status code: 400

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Table 3-1618 Response body parameters

Parameter	Type	Description
details	Array of **DbssErrorDetail** objects	PDP5 authentication exception information
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes
error_msg	String	Error message.

Table 3-1619 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

Status code: 403

Table 3-1620 Response body parameters

Parameter	Type	Description
details	Array of **DbssErrorDetail** objects	PDP5 authentication exception information
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes
error_msg	String	Error message.

Table 3-1621 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

Status code: 500

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Table 3-1622 Response body parameters

Parameter	Type	Description
details	Array of DbssErrorDetail objects	PDP5 authentication exception information
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes
error_msg	String	Error message.

Table 3-1623 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

Example Requests

/v2/{project_id}/dbss/audit/charge/period/order

```
{
  "flavor_ref" : "st6.xlarge.4",
  "name" : "DBSS-acc3",
  "vpc_id" : "4c035747-f77b-4c6d-b23b-cb3a2b96c7e6",
  "availability_zone" : "cn-north-7c",
  "comment" : "",
  "region" : "cn-north-7",
  "nics" : [ {
    "subnet_id" : "6201dcf2-1374-43ec-ae8b-78b4081572d3"
  } ],
  "security_groups" : [ {
    "id" : "04088976-9c63-4e6b-9070-84e6a30c782b"
  } ],
  "cloud_service_type" : "hws.service.type.dbss",
  "charging_mode" : 0,
  "period_type" : 2,
  "period_num" : 1,
  "subscription_num" : 1,
  "is_auto_renew" : 0,
  "product_infos" : [ {
    "product_id" : "00301-xxxxxxx-0--0",
    "cloud_service_type" : "hws.service.type.dbss",
    "resource_type" : "hws.resource.type.dbss",
    "resource_spec_code" : "dbss.bypassaudit.low",
    "product_spec_desc" : "{\"specDesc\":{\"zh-cn\":{},\"en-us\":{\"instance Name\":\"DBSS-test\",\"VPC
\":\"default_vpc\",\"Subnet\":\"subnet-af32\"}}}"
  } ],
  "promotion_info" : "",
  "enterprise_project_id" : "0",
  "tags" : [ {
    "key" : "key_test",
    "value" : "1"
  } ]
}
```

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Example Responses

Status code: 200

Success

```
{
  "description" : "Success",
  "code" : "0",
  "order_id" : "CS1710190909OGQIS"
}
```

Status Codes

Status Code	Description
200	Success
400	Failed
403	Authorization failed.
500	Server error.

Error Codes

See **Error Codes**.

3.19.4 Querying Account Quota Information (To Be Brought Offline)

Function

This API is used to query quota information about an account.

URI

GET /v1/{project_id}/dbss/audit/quota

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Table 3-1624 Path Parameters

Parameter	Mandatory	Type	Description
project_id	Yes	String	**Definition**: Project ID. You can obtain the value by calling the IAM API for querying the project list of a specified IAM user. **Constraints** N/A **Range**: The value is subject to the return value of the IAM service interface. The value contains 32 to 64 characters. **Default Value**: N/A

Request Parameters

Table 3-1625 Request header parameters

Parameter	Mandatory	Type	Description
X-Auth-Token	Yes	String	**Definition**: User token. You can obtain the token by calling the IAM API used to query the user token. The token is the value of X-Subject-Token in the response header. **Constraints** N/A **Range**: The value is subject to the user token query interface of the IAM service. **Default Value**: N/A

Response Parameters

Status code: 200

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Table 3-1626 Response body parameters

Parameter	Type	Description
project_id	String	Project ID
audit_quota	Long	Remaining quota of the audit instance
cpu	Long	Remaining CPU quota.
ram	Long	Remaining memory quota.

Status code: 400

Table 3-1627 Response body parameters

Parameter	Type	Description
details	Array of **DbssErrorDetail** objects	PDP5 authentication exception information
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes
error_msg	String	Error message.

Table 3-1628 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

Status code: 403

Table 3-1629 Response body parameters

Parameter	Type	Description
details	Array of **DbssErrorDetail** objects	PDP5 authentication exception information
encoded_authorization_message	String	PDP5 authentication exception information

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Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	Error message.

Table 3-1630 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

Status code: 500

Table 3-1631 Response body parameters

Parameter	Type	Description
details	Array of DbssErrorDetail objects	PDP5 authentication exception information
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes
error_msg	String	Error message.

Table 3-1632 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

Example Requests

```
/v1/{project_id}/dbss/audit/quota
```

Example Responses

Status code: 200

Success

```
{
  "project_id" : "0250cb8a80c24c0b9f20f557cb159aad",
```


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```
  "cpu" : 796,
  "ram" : 1622016,
  "audit_quota" : 1
}
```

Status Codes

Status Code	Description
200	Success
400	Client error
403	Authorization failed.
500	Server error.

Error Codes

See **Error Codes**.

3.19.5 Enabling/Disabling Risk Rules (To Be Taken Offline)

Function

Enabling or Disabling a Risk Rule

URI

POST /v1/{project_id}/{instance_id}/audit/rule/risk/switch

Table 3-1633 Path Parameters

Parameter	Mandatory	Type	Description
project_id	Yes	String	**Definition**: Project ID. You can obtain the value by calling the IAM API for querying the project list of a specified IAM user. **Constraints** N/A **Range**: The value is subject to the return value of the IAM service interface. The value contains 32 to 64 characters. **Default Value**: N/A

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Parameter	Mandatory	Type	Description
instance_id	Yes	String	**Definition**: Instance ID. The value can be obtained from the ID field of the API for querying the instance list. **Constraints** N/A **Range**: The value is subject to the value of the API for querying the instance list. The value contains 32 to 64 characters. **Default Value**: N/A

Request Parameters

Table 3-1634 Request header parameters

Parameter	Mandatory	Type	Description
X-Auth-Token	Yes	String	**Definition**: User token. The token can be queried by calling the IAM API. (The token is the value of X-Subject-Token in the response header.) **Constraints** N/A **Range**: The value is subject to the user token query interface of the IAM service. **Default Value**: N/A

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Table 3-1635 Request body parameters

Parameter	Mandatory	Type	Description
ids	Yes	String	Rule ID. Use commas (,) to separate multiple IDs. You can obtain the value from the ID field in the API for querying risk rule policies.
status	Yes	String	Specifies the switch status. • OFF: disabled • ON: enabled

Response Parameters

Status code: 200

Table 3-1636 Response body parameters

Parameter	Type	Description
status	String	Response status

Status code: 400

Table 3-1637 Response body parameters

Parameter	Type	Description
details	Array of **DbssErrorDetail** objects	PDP5 authentication exception information
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes
error_msg	String	Error message.

Table 3-1638 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

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Status code: 403

Table 3-1639 Response body parameters

Parameter	Type	Description
details	Array of DbssErrorDetail objects	PDP5 authentication exception information
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes
error_msg	String	Error message.

Table 3-1640 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

Example Requests

```
/v1/{project_id}/{instance_id}/audit/rule/risk/switch

{
  "ids" : "c7ILB3kBCwCqSg3B2OpF",
  "status" : "OFF"
}
```

Example Responses

Status code: 200

Request succeeded.

```
{
  "status" : "SUCCESS"
}
```

Status Codes

Status Code	Description
200	Request succeeded.
400	Invalid request parameter.
403	Authentication failed.

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Error Codes

See **Error Codes**.

3.19.6 Querying Information About an Instance Creation Task (To Be Brought Offline)

Function

This API is used to query information about an instance creation task.

URI

GET /v1/{project_id}/dbss/audit/jobs/{resource_id}

Table 3-1641 Path Parameters

Parameter	Mandatory	Type	Description
project_id	Yes	String	**Definition**: Project ID. You can obtain the value by calling the IAM API for querying the project list of a specified IAM user. **Constraints** N/A **Range**: The value is subject to the return value of the IAM service interface. The value contains 32 to 64 characters. **Default Value**: N/A
resource_id	Yes	String	Resource ID. You can obtain the value from resource_id in the API for querying the instance list.

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Request Parameters

Table 3-1642 Request header parameters

Parameter	Mandatory	Type	Description
X-Auth-Token	Yes	String	**Definition**: User token. You can obtain the token by calling the IAM API used to query the user token. The token is the value of X-Subject-Token in the response header. **Constraints** N/A **Range**: The value is subject to the user token query interface of the IAM service. **Default Value**: N/A

Response Parameters

Status code: 200

Table 3-1643 Response body parameters

Parameter	Type	Description
jobs	Array of **JobBean** objects	Instance creation task list

Table 3-1644 JobBean

Parameter	Type	Description
job_id	String	Task ID.
status	String	Task status. The options are as follows: • SUCCESS • RUNNING • FAIL • INIT • READY

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Parameter	Type	Description
job_type	String	Type
server_id	String	VM ID
server_name	String	VmName
resource_id	String	Resource id
begin_time	Long	Start time
end_time	Long	End time
charge_mode	String	Billing mode. The options are as follows: • Period: period-based charging • Demand: pay-per-use
error_code	String	Error Codes
fail_reason	String	Failure cause.
ha_id	String	Protected instance ID. This field has been discarded.
ha_name	String	Protected instance name. This field has been discarded.

Status code: 400

Table 3-1645 Response body parameters

Parameter	Type	Description
details	Array of **DbssErrorDetail** objects	PDP5 authentication exception information
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes
error_msg	String	Error message.

Table 3-1646 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

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Status code: 403

Table 3-1647 Response body parameters

Parameter	Type	Description
details	Array of DbssErrorDetail objects	PDP5 authentication exception information
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes
error_msg	String	Error message.

Table 3-1648 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

Status code: 500

Table 3-1649 Response body parameters

Parameter	Type	Description
details	Array of DbssErrorDetail objects	PDP5 authentication exception information
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes
error_msg	String	Error message.

Table 3-1650 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes

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Parameter	Type	Description
error_msg	String	PDP5 error information

Example Requests

/v1/{project_id}/dbss/audit/jobs/{resource_id}

Example Responses

Status code: 200

Success


```
{
  "jobs" : [ {
    "resource_id" : "2c154fdd-0d43-47b7-9cf1-5236bf6a2ca7",
    "status" : "SUCCESS",
    "job_type" : null,
    "job_id" : "8abf9647852a1daa01852e517e1a1a0b",
    "begin_time" : 1671519371000,
    "end_time" : 1671519417000,
    "error_code" : null,
    "fail_reason" : null,
    "charge_mode" : "Demand",
    "server_name" : "DBSS-qct-1220",
    "server_id" : "0aa8f621-bc19-4822-b66d-7ab9ae3c8693",
    "ha_id" : null,
    "ha_name" : null
  } ]
}
```


Status Codes

Status Code	Description
200	Success
400	Failed
403	Authorization failed.
500	Internal server error.

Error Codes

See **Error Codes**.

3.19.7 Querying the Database Agent List (To Be Brought Offline)

Function

Querying the Database Agent List

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URI

GET /v2/{project_id}/{instance_id}/audit/agents

Table 3-1651 Path Parameters

Parameter	Mandatory	Type	Description
project_id	Yes	String	**Definition**: Project ID You can obtain the value by calling the IAM API for querying the project list of a specified IAM user. ** Restrictions**: N/A **Range**: The value is subject to the return value of the IAM service interface. The value contains 32 to 64 characters. ** Default value**: N/A
instance_id	Yes	String	**Definition**: Instance ID. The value can be obtained from the ID field of the API for querying the instance list. ** Restrictions**: N/A **Range**: The value is subject to the value of the API for querying the instance list. The value contains 32 to 64 characters. ** Default value**: N/A

Table 3-1652 Query Parameters

Parameter	Mandatory	Type	Description
db_id	Yes	String	Database ID, which can be obtained from the ID field of the API for querying the database list.

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Parameter	Mandatory	Type	Description
offset	No	String	**Definition**: Pagination offset. The query starts from the next piece of data indexed by this parameter. ** Restrictions**: Only integers greater than or equal to 0 are supported. **Range**: Greater than or equal to 0 ** Default value**: The default value is 0.
limit	No	String	**Definition**: Number of records queried on each page. ** Restrictions**: Only integers greater than 0 are supported. **Range**: Greater than 0 and less than or equal to 10000 ** Default value**: The default value is 100.

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Request Parameters

Table 3-1653 Request header parameters

Parameter	Mandatory	Type	Description
X-Auth-Token	Yes	String	**Definition**: User token. The token can be queried by calling the IAM API. (The token is the value of X-Subject-Token in the response header.) ** Restrictions**: N/A **Range**: Used by the IAM service to query the user token. ** Default value**: N/A

Response Parameters

Status code: 200

Table 3-1654 Response body parameters

Parameter	Type	Description
agents	Array of **agents** objects	Agent list

Table 3-1655 agents

Parameter	Type	Description
agent_id	String	agent ID
agent_type	String	Agent type
agent_os	String	agent OS
agent_ip	String	IP address of the node where the agent is installed
mem_threshold	Integer	Memory Threshold
cpu_threshold	Integer	CPU Threshold
status	Integer	Agent status

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Parameter	Type	Description
agent_nic	String	Agent NIC
db_name	String	Database name
datacap_status	Integer	Status of capturing data flows
agent_url	String	Agent installation address
universal	Boolean	CCE scenario or not
sha256	String	SHA256 Value

Status code: 400

Table 3-1656 Response body parameters

Parameter	Type	Description
details	Array of **DbssErrorDetail** objects	PDP5 authentication exception information
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes
error_msg	String	Error message.

Table 3-1657 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

Status code: 403

Table 3-1658 Response body parameters

Parameter	Type	Description
details	Array of **DbssErrorDetail** objects	PDP5 authentication exception information

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Parameter	Type	Description
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes
error_msg	String	Error message.

Table 3-1659 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

Status code: 500

Table 3-1660 Response body parameters

Parameter	Type	Description
details	Array of DbssErrorDetail objects	PDP5 authentication exception information
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes
error_msg	String	Error message.

Table 3-1661 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

Example Requests

/v2/{project_id}/{instance_id}/audit/agents

Example Responses

Status code: 200

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Success


```
{
  "agents" : [ {
    "agent_id" : "X1miCo8BDdIO3rwSbhug",
    "agent_type" : "DB",
    "agent_os" : "LINUX64_X86",
    "agent_ip" : "2407:c080:11f0:23b:59d5:7ddf:5650:447b",
    "agent_nic" : "",
    "cpu_threshold" : 80,
    "mem_threshold" : 80,
    "db_name" : "",
    "status" : 1,
    "datacap_status" : 1,
    "agent_url" : "/opt/dbss_audit/audit_server/agent/",
    "universal" : false,
    "sha256" : "2619a4fc8ff3b3dda48c4347630bc8d7ece2e1f046eab7ac044e7d0df49886e3"
  } ]
}
```


Status Codes

Status Code	Description
200	Success
400	Incorrect request parameter.
403	Authorization failed.
500	Internal server error.

Error Codes

See **Error Codes**.

3.19.8 Querying the Audit Instance List (To Be Brought Offline)

Function

This API is used to query the list of audit instances.

URI

GET /v1/{project_id}/dbss/audit/instances

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Table 3-1662 Path Parameters

Parameter	Mandatory	Type	Description
project_id	Yes	String	**Definition**: Project ID. You can obtain the value by calling the IAM API for querying the project list of a specified IAM user. **Constraints** N/A **Range**: The value is subject to the return value of the IAM service interface. The value contains 32 to 64 characters. **Default Value**: N/A

Table 3-1663 Query Parameters

Parameter	Mandatory	Type	Description
offset	No	String	**Definition**: Pagination offset. The query starts from the next piece of data indexed by this parameter. **Constraints** Only integers greater than or equal to 0 are supported. **Range**: Greater than or equal to 0 **Default Value**: The default value is 0.
limit	No	String	Number of query records.

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Request Parameters

Table 3-1664 Request header parameters

Parameter	Mandatory	Type	Description
X-Auth-Token	Yes	String	**Definition**: User token. The token can be queried by calling the IAM API. (The token is the value of X-Subject-Token in the response header.) **Constraints** N/A **Range**: The value is subject to the user token query interface of the IAM service. **Default Value**: N/A

Response Parameters

Status code: 200

Table 3-1665 Response body parameters

Parameter	Type	Description
servers	Array of **AuditInstanceListBean** objects	Instance information list.
total	Integer	Total number of license files

Table 3-1666 AuditInstanceListBean

Parameter	Type	Description
charge_model	String	Billing mode. The options are as follows: • Period: yearly/monthly • Demand: on-demand.
comment	String	Remarks
config_num	Integer	Total number of configured databases.

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Parameter	Type	Description
connect_ip	String	Connection address.
connect_ipv6	String	IPv6 connection address.
cpu	Integer	CPUs
created	String	Creation time.
database_limit	Integer	Number of supported databases
effect	Integer	Instance result status. The options are as follows: • 1: frozen and can be released • 2: frozen and cannot be released • 3: Frozen accounts cannot be renewed.
expired	String	Expiration time
id	String	ID
keep_days	String	Remaining period (days)
name	String	Instance alias.
new_version	String	If a value is returned, upgrade is required. If no value is returned, the value is null.
port_id	String	ID of the port to which the EIP is bound
ram	Integer	Memory
region	String	Region where the instance is located.
remain_days	String	Days to expiry
resource_id	String	Resource id
resource_spec_code	String	Instance specification ID
scene	String	Scene
security_group_id	String	Security Group
specification	String	Instance Specifications

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Parameter	Type	Description
status	String	Instance Status • SHUTOFF: disabled • ACTIVE: running. Any operation is allowed. • DELETING: The resource is being deleted. No operation is allowed. • BUILD: The VM is being created. No operation is allowed. • DELETED: deleted and does not need to be displayed. • ERROR: faulty. Only deletion is allowed. • HAWAIT: The standby node is being created. No operation is allowed. • FROZEN: Frozen. Only renewal, binding, and unbinding are allowed. • UPGRADING: The upgrade is in progress and is not allowed.
subnet_id	String	Subnet ID
task	String	Task status. The options are as follows: • powering-on: The instance is being powered on and can be bound or unbound. • powering-off: The instance is being powered off and can be bound or unbound. • rebooting: The instance is being restarted. The instance can be bound or unbound. • delete_wait: The cluster is waiting to be deleted. No operation can be performed on the cluster and instance. • NO_TASK: no
version	String	Current instance version
vpc_id	String	Virtual Private Cloud
zone	String	Availability zone

Status code: 400

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Table 3-1667 Response body parameters

Parameter	Type	Description
details	Array of **DbssErrorDetail** objects	PDP5 authentication exception information
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes
error_msg	String	Error message.

Table 3-1668 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

Status code: 403

Table 3-1669 Response body parameters

Parameter	Type	Description
details	Array of **DbssErrorDetail** objects	PDP5 authentication exception information
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes
error_msg	String	Error message.

Table 3-1670 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

Status code: 500

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Table 3-1671 Response body parameters

Parameter	Type	Description
details	Array of DbssErrorDetail objects	PDP5 authentication exception information
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes
error_msg	String	Error message.

Table 3-1672 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

Example Requests

/v1/{project_id}/dbss/audit/instances

Example Responses

Status code: 200

Success


```
{
  "servers" : [ {
    "name" : "DBSS-Test",
    "comment" : "",
    "connect_ipv6" : null,
    "status" : "ACTIVE",
    "task" : "NO_TASK",
    "id" : "8c53ed03-8ed7-4ff2-ad97-7b2d6d1dd364",
    "specification" : "Low | 3 Proxy",
    "zone" : "cn-cmcc1a-01",
    "created" : "2021-04-21 04:37:54",
    "expired" : null,
    "subnet_id" : "97ef0bb5-3759-4db4-aa49-0d087ed49ce5",
    "cpu" : 4,
    "ram" : 16384,
    "region" : "cn-cmcc1",
    "version" : "21.04.16.164614",
    "charge_model" : "Demand",
    "remain_days" : null,
    "config_num" : 1,
    "effect" : null,
    "scene" : null,
    "connect_ip" : "192.168.0.229",
    "port_id" : "dc4bd420-e01c-4d12-a7ff-814f17c63079",
    "resource_id" : "062212d8-8e30-4783-9671-43f3f1f3bb1e",
    "vpc_id" : "76d98391-5abc-46ed-b8a8-f664202cb166",
```


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```
  "security_group_id" : "f0fbec06-bcf6-4c7e-99fa-f0ddfbb1d9bd",
  "resource_spec_code" : "dbss.bypassaudit.low",
  "keep_days" : null,
  "new_version" : null,
  "database_limit" : 3
 } ],
 "total" : 1
}
```


Status Codes

Status Code	Description
200	Success
400	Failed
403	Authorization failed.
500	Server error.

Error Codes

See **Error Codes**.

3.19.9 Querying ECS Specifications (To Be Brought Offline)

Function

This API is used to query ECS specifications.

URI

GET /v1/{project_id}/dbss/audit/specification

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Table 3-1673 Path Parameters

Parameter	Mandatory	Type	Description
project_id	Yes	String	**Definition**: Project ID. You can obtain the value by calling the IAM API for querying the project list of a specified IAM user. **Constraints** N/A **Range**: The value is subject to the return value of the IAM service interface. The value contains 32 to 64 characters. **Default Value**: N/A

Request Parameters

Table 3-1674 Request header parameters

Parameter	Mandatory	Type	Description
X-Auth-Token	Yes	String	**Definition**: User token. You can obtain the token by calling the IAM API used to query the user token. The token is the value of X-Subject-Token in the response header. **Constraints** N/A **Range**: The value is subject to the user token query interface of the IAM service. **Default Value**: N/A

Response Parameters

Status code: 200

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Table 3-1675 Response body parameters

Parameter	Type	Description
specification	Array of **EcsSpecification-Bean** objects	Specifies a set of specifications.

Table 3-1676 EcsSpecificationBean

Parameter	Type	Description
azs	Array of strings	AZ set to which the ECS specification belongs
id	String	Flavor ID
level	String	Specification level. The supported level depends on the site configuration. • entry: entry level • low: basic edition • medium: professional edition • high: advanced edition
name	String	Specifies the name of specifications.
proxy	Integer	Number of databases that can be added to the specification
ram	Integer	Memory
vcpus	Integer	CPU
az_type	String	AZ Type • DEDICATED • DEC • EDGE

Status code: 400

Table 3-1677 Response body parameters

Parameter	Type	Description
details	Array of **DbssErrorDetail** objects	PDP5 authentication exception information
encoded_authorization_message	String	PDP5 authentication exception information

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Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	Error message.

Table 3-1678 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

Status code: 403

Table 3-1679 Response body parameters

Parameter	Type	Description
details	Array of **DbssErrorDetail** objects	PDP5 authentication exception information
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes
error_msg	String	Error message.

Table 3-1680 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

Status code: 500

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Table 3-1681 Response body parameters

Parameter	Type	Description
details	Array of DbssErrorDetail objects	PDP5 authentication exception information
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes
error_msg	String	Error message.

Table 3-1682 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

Example Requests

/v1/{project_id}/dbss/audit/specification

Example Responses

Status code: 200

Success

```
{
  "specification" : [ {
    "level" : "low",
    "id" : "s2.xlarge.4",
    "name" : "s2.xlarge.4",
    "vcpus" : 4,
    "ram" : 16384,
    "proxy" : 3,
    "azs" : [ "cn-cmcc1a-01" ]
  }, {
    "level" : "medium",
    "id" : "s2.2xlarge.4",
    "name" : "s2.2xlarge.4",
    "vcpus" : 8,
    "ram" : 32768,
    "proxy" : 6,
    "azs" : [ "cn-cmcc1a-01" ]
  }, {
    "level" : "high",
    "id" : "s3.4xlarge.4",
    "name" : "s3.4xlarge.4",
    "vcpus" : 16,
    "ram" : 65536,
    "proxy" : 30,
    "azs" : [ "cn-cmcc1a-01", "cn-cmcc1b-01" ]
```


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```
 }]
}
```

Status Codes

Status Code	Description
200	Success
400	Client error
403	Authorization failed.
500	Server error.

Error Codes

See **Error Codes**.

3.19.10 Adding an RDS Database (To Be Brought Offline)

Function

Add an RDS database. V1 is no longer maintained and will be brought offline.

URI

POST /v1/{project_id}/{instance_id}/dbss/audit/databases/rds

Table 3-1683 Path Parameters

Parameter	Mandatory	Type	Description
project_id	Yes	String	**Definition**: Specifies the project ID. You can obtain the value by calling the IAM API for querying the project list of a specified IAM user. **Constraints** N/A **Range**: The value is subject to the return value of the IAM service interface. The value contains 32 to 64 characters. **Default Value**: N/A

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Parameter	Mandatory	Type	Description
instance_id	Yes	String	**Definition**: Instance ID. The value can be obtained from the ID field of the API for querying the instance list. **Constraints** N/A **Range**: The value is subject to the value of the API for querying the instance list. The value contains 32 to 64 characters. **Default Value**: N/A

Request Parameters

Table 3-1684 Request header parameters

Parameter	Mandatory	Type	Description
X-Auth-Token	Yes	String	**Definition**: User token. You can obtain the token by calling the IAM API used to query the user token. The token is the value of X-Subject-Token in the response header. **Constraints** N/A **Range**: The value is subject to the user token query interface of the IAM service. **Default Value**: N/A

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Table 3-1685 Request body parameters

Parameter	Mandatory	Type	Description
databases	Yes	Array of **databases** objects	List of added databases
total_count	No	Integer	Total number of license files

Table 3-1686 databases

Parameter	Mandatory	Type	Description
id	Yes	String	The database record ID.
db_name	Yes	String	Database name
status	Yes	String	Database status
port	Yes	String	Database Port
ip	Yes	String	Database IP address
instance_name	Yes	String	Database instance name
version	Yes	String	DB Version
type	Yes	String	Applicable Database
enterprise_id	Yes	String	Enterprise project ID
enterprise_name	No	String	Specifies the enterprise project name.

Response Parameters

Status code: 200

Table 3-1687 Response body parameters

Parameter	Type	Description
illegal_db_id	Array of strings	ID of the database instance that fails to be added
legal_db_id	Array of strings	ID of the database instance that is successfully added

Status code: 400

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Table 3-1688 Response body parameters

Parameter	Type	Description
details	Array of **DbssErrorDetail** objects	PDP5 authentication exception information
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes
error_msg	String	Error message.

Table 3-1689 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

Status code: 403

Table 3-1690 Response body parameters

Parameter	Type	Description
details	Array of **DbssErrorDetail** objects	PDP5 authentication exception information
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes
error_msg	String	Error message.

Table 3-1691 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

Status code: 500

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Table 3-1692 Response body parameters

Parameter	Type	Description
details	Array of DbssErrorDetail objects	PDP5 authentication exception information
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes
error_msg	String	Error message.

Table 3-1693 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

Example Requests

/v1/{project_id}/{instance_id}/dbss/audit/databases/rds

```
{
  "databases" : [ {
    "id" : "123751d3ee2f47aea64822e98318c6a8in01",
    "db_name" : "rds1",
    "status" : "ACTIVE",
    "port" : "3306",
    "ip" : "192.168.0.119",
    "instance_name" : "rds1",
    "version" : "8.0",
    "type" : "MySQL",
    "enterprise_id" : "0",
    "enterprise_name" : "default"
  }, {
    "id" : "2343f7285d684fed8b09fac201c3fc7ain01",
    "db_name" : "rds2",
    "status" : "ACTIVE",
    "port" : "3306",
    "ip" : "192.168.0.92",
    "instance_name" : "rds2",
    "version" : "8.0",
    "type" : "MySQL",
    "enterprise_id" : "0",
    "enterprise_name" : "default"
  } ]
}
```

Example Responses

Status code: 200

Success

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```
{
  "illegal_db_id" : [ ],
  "legal_db_id" : [ "123751d3ee2f47aea64822e98318c6a8in01", "2343f7285d684fed8b09fac201c3fc7ain01" ]
}
```

Status Codes

Status Code	Description
200	Success
400	Failed
403	Authorization failed.
500	Server error.

Error Codes

See **Error Codes**.

3.19.11 Querying AZ Information (To Be Brought Offline)

Function

Querying AZ Information

URI

GET /v2/{project_id}/dbss/audit/availability-zone

Table 3-1694 Path Parameters

Parameter	Mandatory	Type	Description
project_id	Yes	String	**Definition**: Project ID You can obtain the value by calling the IAM API for querying the project list of a specified IAM user. ** Restrictions**: N/A **Range**: The value is subject to the return value of the IAM service interface. The value contains 32 to 64 characters. ** Default value**: N/A

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Request Parameters

Table 3-1695 Request header parameters

Parameter	Mandatory	Type	Description
X-Auth-Token	Yes	String	** Parameter description**: User token. You can obtain the token by calling the IAM API used to query the user token. The token is the value of X-Subject-Token in the response header. ** Restrictions**: N/A ** Value range**: Used by the IAM service to query the user token. ** Default value**: N/A

Response Parameters

Status code: 200

Table 3-1696 Response body parameters

Parameter	Type	Description
azs	Array of **AzInfo** objects	AZ set

Table 3-1697 AzInfo

Parameter	Type	Description
zone_name	String	AZ name
zone_number	Integer	AZ ID
az_type	String	AZ Type
alias	String	Chinese alias of the AZ
alias_us	String	English alias of the AZ

Status code: 400

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Table 3-1698 Response body parameters

Parameter	Type	Description
details	Array of **DbssErrorDetail** objects	PDP5 authentication exception information
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes
error_msg	String	Error message.

Table 3-1699 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

Status code: 403

Table 3-1700 Response body parameters

Parameter	Type	Description
details	Array of **DbssErrorDetail** objects	PDP5 authentication exception information
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes
error_msg	String	Error message.

Table 3-1701 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

Status code: 500

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Table 3-1702 Response body parameters

Parameter	Type	Description
details	Array of DbssErrorDetail objects	PDP5 authentication exception information
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes
error_msg	String	Error message.

Table 3-1703 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

Example Requests

/v2/{project_id}/dbss/audit/availability-zone

Example Responses

Status code: 200

Success

```
{
  "azs" : [ {
    "zone_name" : "cn-north-7b",
    "zone_number" : 2,
    "az_type" : "normal",
    "alias" : "AZ 2",
    "alias_us" : "AZ2"
  }, {
    "zone_name" : "cn-north-7a",
    "zone_number" : 1,
    "az_type" : "normal",
    "alias" : "AZ 1",
    "alias_us" : "AZ1"
  }, {
    "zone_name" : "cn-north-7c",
    "zone_number" : 3,
    "az_type" : "normal",
    "alias" : "AZ 3",
    "alias_us" : "AZ3"
  } ]
}
```


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Status Codes

Status Code	Description
200	Success
400	Client error
403	Authorization failed.
500	Server error.

Error Codes

See **Error Codes**.

3.19.12 Modifying an Instance Security Group (To Be Brought Offline)

Function

This API is used to change the security group of an instance.

URI

POST /v1/{project_id}/dbss/audit/security-group

Table 3-1704 Path Parameters

Parameter	Mandatory	Type	Description
project_id	Yes	String	**Definition**: Project ID. You can obtain the value by calling the IAM API for querying the project list of a specified IAM user. **Constraints** N/A **Range**: The value is subject to the return value of the IAM service interface. The value contains 32 to 64 characters. **Default Value**: N/A

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Request Parameters

Table 3-1705 Request header parameters

Parameter	Mandatory	Type	Description
X-Auth-Token	Yes	String	**Definition**: User token. You can obtain the token by calling the IAM API used to query the user token. The token is the value of X-Subject-Token in the response header. **Constraints** N/A **Range**: The value is subject to the user token query interface of the IAM service. **Default Value**: N/A

Table 3-1706 Request body parameters

Parameter	Mandatory	Type	Description
instance_id	Yes	String	**Definition** Instance ID. The value can be obtained from the ID field of the API for querying the instance list. **Constraints** N/A **Range** The value is determined by the value of the API for querying the instance list. The value contains 32 to 64 characters. **Default Value** N/A
securitygroup_ids	Yes	Array of strings	Security group ID list. Currently, only one ID is supported.

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Response Parameters

Status code: 200

Table 3-1707 Response body parameters

Parameter	Type	Description
result	String	Response status

Status code: 400

Table 3-1708 Response body parameters

Parameter	Type	Description
details	Array of DbssErrorDetail objects	PDP5 authentication exception information
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes
error_msg	String	Error message.

Table 3-1709 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

Status code: 403

Table 3-1710 Response body parameters

Parameter	Type	Description
details	Array of DbssErrorDetail objects	PDP5 authentication exception information
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes

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Parameter	Type	Description
error_msg	String	Error message.

Table 3-1711 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

Status code: 500

Table 3-1712 Response body parameters

Parameter	Type	Description
details	Array of DbssErrorDetail objects	PDP5 authentication exception information
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes
error_msg	String	Error message.

Table 3-1713 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

Example Requests

```
/v1/{project_id}/dbss/audit/security-group

{
  "instance_id" : "062212d8-8e30-4783-9671-43f3f1f3bb1e",
  "securitygroup_ids" : [ "f0fbec06-bcf6-4c7e-99fa-f0ddfbb1d9bd" ]
}
```

Example Responses

Status code: 200

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Success

```
{
  "result" : "success"
}
```

Status Codes

Status Code	Description
200	Success
400	Failed
403	Authorization failed.
500	Server error.

Error Codes

See **Error Codes**.

3.19.13 Adding a Self-Built Database (To Be Brought Offline)

Function

This API is used to add a self-built database.

URI

POST /v1/{project_id}/{instance_id}/audit/databases

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Table 3-1714 Path Parameters

Parameter	Mandatory	Type	Description
project_id	Yes	String	**Definition**: Specifies the project ID. You can obtain the value by calling the IAM API for querying the project list of a specified IAM user. **Constraints** N/A **Range**: The value is subject to the return value of the IAM service interface. The value contains 32 to 64 characters. **Default Value**: N/A
instance_id	Yes	String	**Definition**: Instance ID. The value can be obtained from the ID field of the API for querying the instance list. **Constraints** N/A **Range**: The value is subject to the value of the API for querying the instance list. The value contains 32 to 64 characters. **Default Value**: N/A

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Request Parameters

Table 3-1715 Request header parameters

Parameter	Mandatory	Type	Description
X-Auth-Token	Yes	String	**Definition**: User token. You can obtain the token by calling the IAM API used to query the user token. The token is the value of X-Subject-Token in the response header. **Constraints** N/A **Range**: The value is subject to the user token query interface of the IAM service. **Default Value**: N/A

Table 3-1716 Request body parameters

Parameter	Mandatory	Type	Description
database	Yes	**database** object	Database information

Table 3-1717 database

Parameter	Mandatory	Type	Description
db_classification	Yes	String	Database classification. The value can be: • RDS: RDS database • ECS: self-built database
name	Yes	String	Database name

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Parameter	Mandatory	Type	Description
type	Yes	String	Applicable Database • MYSQL • ORACLE • POSTGRESQL • SQLSERVER • DAMENG • TAURUS • DWS • KINGBASE • GAUSSDBOPENGAUSS • GREENPLUM • HIGHGO • SHENTONG • GBASE8A • GBASE8S • GBASEXDM • MONGODB • DDS
version	Yes	String	DB Version
charset	Yes	String	Character set. • GBK • UTF8
ip	Yes	String	Database IP address
port	Yes	String	Database Port
os	Yes	String	Database OS • LINUX64 • WINDOWS64 • UNIX
instance_name	No	String	Database instance name

Response Parameters

Status code: 200

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Table 3-1718 Response body parameters

Parameter	Type	Description
id	String	The database record ID.

Status code: 400

Table 3-1719 Response body parameters

Parameter	Type	Description
details	Array of **DbssErrorDetail** objects	PDP5 authentication exception information
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes
error_msg	String	Error message.

Table 3-1720 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

Status code: 403

Table 3-1721 Response body parameters

Parameter	Type	Description
details	Array of **DbssErrorDetail** objects	PDP5 authentication exception information
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes
error_msg	String	Error message.

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Table 3-1722 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

Status code: 500

Table 3-1723 Response body parameters

Parameter	Type	Description
details	Array of **DbssErrorDetail** objects	PDP5 authentication exception information
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes
error_msg	String	Error message.

Table 3-1724 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

Example Requests

```
/v1/{project_id}/{instance_id}/audit/databases

{
  "database" : {
    "name" : "test",
    "type" : "POSTGRESQL",
    "version" : "7.4",
    "charset" : "UTF8",
    "ip" : "1.1.1.1",
    "port" : "66",
    "instance_name" : "testaaa",
    "os" : "LINUX64",
    "db_classification" : "ECS"
  }
}
```

Example Responses

Status code: 200

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Success

```
{
  "id" : "Fadq-Y4B51p4J06sRc4F"
}
```

Status Codes

Status Code	Description
200	Success
400	Failed
403	Authorization failed.
500	Server error.

Error Codes

See **Error Codes**.

3.19.14 Querying User Operation Logs (To Be Brought Offline)

Function

Querying User Operation Logs

URI

POST /v1/{project_id}/{instance_id}/dbss/audit/operate-log

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Table 3-1725 Path Parameters

Parameter	Mandatory	Type	Description
project_id	Yes	String	**Definition**: Project ID You can obtain the value by calling the IAM API for querying the project list of a specified IAM user. ** Restrictions**: N/A **Range**: The value is subject to the return value of the IAM service interface. The value contains 32 to 64 characters. ** Default value**: N/A
instance_id	Yes	String	** Parameter description**: Instance ID. The value can be obtained from the ID field of the API for querying the instance list. ** Restrictions**: N/A ** Value range**: The value is subject to the value of the API for querying the instance list. The value contains 32 to 64 characters. ** Default value**: N/A

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Request Parameters

Table 3-1726 Request header parameters

Parameter	Mandatory	Type	Description
X-Auth-Token	Yes	String	**Definition**: User token. You can obtain the token by calling the IAM API used to query the user token. The token is the value of X-Subject-Token in the response header. **Constraints** N/A **Range**: The value is subject to the user token query interface of the IAM service. **Default Value**: N/A

Table 3-1727 Request body parameters

Parameter	Mandatory	Type	Description
time	Yes	**TimeRangeBean** object	Query time range
user_name	No	String	Operation log username
action	No	String	Action name. • CREATE • DELETE • DOWNLOAD • UPDATE
page	Yes	String	Page number
size	Yes	String	Number of records on each page.

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Table 3-1728 TimeRangeBean

Parameter	Mandatory	Type	Description
end_time	No	String	Start time. This parameter must be used together with **end_time**. The format must be yyyy-MM-dd HH:mm:ss, in UTC time.
start_time	No	String	End time. This parameter must be used together with **start_time**. The format must be yyyy-MM-dd HH:mm:ss, in UTC time.
time_range	No	String	Query time range. This parameter cannot be used together with **start_time** or **end_time**. If they are specified together, this parameter has a higher priority. • **HALF_HOUR** • **HOUR** • **THREE_HOUR** • **TWELVE_HOUR** • **DAY** • **WEEK** • **MONTH**

Response Parameters

Status code: 200

Table 3-1729 Response body parameters

Parameter	Type	Description
total_num	Integer	Total number of license files
operate_log	Array of **OperateLogInfo** objects	Operation log list

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Table 3-1730 OperateLogInfo

Parameter	Type	Description
id	String	Operation log ID.
user	String	Operation log username
time	String	Time when a record is generated. The format is timestamp.
action	String	Operation type of a record. The value can be: • create • update: update • delete: delete • download: download
function	String	Function type of the record.
name	String	Operation object of a record
description	String	Description of a record
result	String	Execution result of a record. The value can be: • success: Request succeeded • fail: The operation fails.

Status code: 400

Table 3-1731 Response body parameters

Parameter	Type	Description
details	Array of **DbssErrorDetail** objects	PDP5 authentication exception information
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes
error_msg	String	Error message.

Table 3-1732 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes

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Parameter	Type	Description
error_msg	String	PDP5 error information

Status code: 403

Table 3-1733 Response body parameters

Parameter	Type	Description
details	Array of **DbssErrorDetail** objects	PDP5 authentication exception information
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes
error_msg	String	Error message.

Table 3-1734 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

Status code: 500

Table 3-1735 Response body parameters

Parameter	Type	Description
details	Array of **DbssErrorDetail** objects	PDP5 authentication exception information
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes
error_msg	String	Error message.

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Table 3-1736 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

Example Requests

```
/v1/{project_id}/{instance_id}/dbss/audit/operate-log

{
  "time" : {
    "time_range" : "HOUR"
  },
  "page" : 1,
  "size" : 10
}
```

Example Responses

Status code: 200

Success

```
{
  "total_num" : 3,
  "operate_log" : [ {
    "id" : "1LJP-HgBCwCqSg3BVuAp",
    "user" : "hby-test",
    "time" : "2021-04-22 06:40:52",
    "function" : "Databases",
    "action" : "Update",
    "name" : "db01 ",
    "description" : "This API is used to disable the audit agent.",
    "result" : "success"
  }, {
    "id" : "07JO-HgBCwCqSg3ByOAD",
    "user" : "hby-test",
    "time" : "2021-04-22 06:40:15",
    "function" : "Databases",
    "action" : "Update",
    "name" : "db01 ",
    "description" : "This API is used to disable the audit agent.",
    "result" : "success"
  }, {
    "id" : "ULKM93gBCwCqSg3BZeD1",
    "user" : "hby-test",
    "time" : "2021-04-22 03:07:56",
    "function" : "Databases",
    "action" : "Create",
    "name" : "db01",
    "description" : "Create a database.",
    "result" : "success"
  } ]
}
```

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Status Codes

Status Code	Description
200	Success
400	Incorrect request parameter.
403	Authorization failed.
500	Internal server error.

Error Codes

See **Error Codes**.

3.19.15 Adding an RDS Database (To Be Brought Offline)

Function

Adding an RDS Database

URI

POST /v2/{project_id}/{instance_id}/audit/databases/rds

Table 3-1737 Path Parameters

Parameter	Mandatory	Type	Description
project_id	Yes	String	** Parameter description**: Specifies the project ID. You can obtain the value by calling the IAM API for querying the project list of a specified IAM user. ** Restrictions**: N/A ** Value range**: The value is subject to the return value of the IAM service interface. The value contains 32 to 64 characters. ** Default value**: N/A

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Parameter	Mandatory	Type	Description
instance_id	Yes	String	** Parameter description**: Instance ID. The value can be obtained from the ID field of the API for querying the instance list. ** Restrictions**: N/A ** Value range**: The value is subject to the value of the API for querying the instance list. The value contains 32 to 64 characters. ** Default value**: N/A

Request Parameters

Table 3-1738 Request header parameters

Parameter	Mandatory	Type	Description
X-Auth-Token	Yes	String	**Definition**: User token. The token can be queried by calling the IAM API. (The token is the value of X-Subject-Token in the response header.) ** Restrictions**: N/A **Range**: Used by the IAM service to query the user token. ** Default value**: N/A

Table 3-1739 Request body parameters

Parameter	Mandatory	Type	Description
databases	Yes	Array of **databases** objects	Databases

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Table 3-1740 databases

Parameter	Mandatory	Type	Description
id	Yes	String	RDS database ID, which can be obtained from the ID field of the API for querying the RDS database list.
type	Yes	String	Applicable Database • MYSQL • ORACLE • POSTGRESQL • SQLSERVER • DAMENG • TAURUS • DWS • KINGBASE • MARIADB • GAUSSDBOPENGAUSS

Response Parameters

Status code: 200

Table 3-1741 Response body parameters

Parameter	Type	Description
ret_list	Array of **ret_list** objects	Result list

Table 3-1742 ret_list

Parameter	Type	Description
id	String	RDS database ID
ret_status	String	Alarm status. • SUCCESS • FAILED
ret_message	String	Description

Status code: 400

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Table 3-1743 Response body parameters

Parameter	Type	Description
details	Array of **DbssErrorDetail** objects	PDP5 authentication exception information
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes
error_msg	String	Error message.

Table 3-1744 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

Status code: 403

Table 3-1745 Response body parameters

Parameter	Type	Description
details	Array of **DbssErrorDetail** objects	PDP5 authentication exception information
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes
error_msg	String	Error message.

Table 3-1746 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

Status code: 500

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Table 3-1747 Response body parameters

Parameter	Type	Description
details	Array of DbssErrorDetail objects	PDP5 authentication exception information
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes
error_msg	String	Error message.

Table 3-1748 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

Example Requests

```
/v2/{project_id}/{instance_id}/audit/databases/rds

{
  "databases" : [ {
    "id" : "123751d3ee2f47aea64822e98318c6a8in01",
    "type" : "MYSQL"
  } ]
}
```

Example Responses

Status code: 200

Success

```
{
  "ret_list" : [ {
    "id" : "123751d3ee2f47aea64822e98318c6a8in01",
    "ret_status" : "SUCCESS",
    "ret_message" : null
  }, {
    "id" : "2343f7285d684fed8b09fac201c3fc7ain01",
    "ret_status" : "FAILED",
    "ret_message" : "Unknown error."
  } ]
}
```


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Status Codes

Status Code	Description
200	Success
400	Failed
403	Authorization failed.
500	Server error.

Error Codes

See **Error Codes**.

3.19.16 Enabling an Audit Instance [To Be Brought Offline]

Function

This API is used to enable an audit instance.

URI

POST /v1/{project_id}/dbss/audit/instance/start

Table 3-1749 Path Parameters

Parameter	Mandatory	Type	Description
project_id	Yes	String	**Definition**: Specifies the project ID. You can obtain the value by calling the IAM API for querying the project list of a specified IAM user. **Constraints** N/A **Range**: The value is subject to the return value of the IAM service interface. The value contains 32 to 64 characters. **Default Value**: N/A

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Request Parameters

Table 3-1750 Request header parameters

Parameter	Mandatory	Type	Description
X-Auth-Token	Yes	String	**Definition**: User token. You can obtain the token by calling the IAM API used to query the user token. The token is the value of X-Subject-Token in the response header. **Constraints** N/A **Range**: The value is subject to the user token query interface of the IAM service. **Default Value**: N/A

Table 3-1751 Request body parameters

Parameter	Mandatory	Type	Description
instance_id	Yes	String	**Definition** Instance ID. The value can be obtained from the ID field of the API for querying the instance list. **Constraints** N/A **Range** The value is determined by the value of the API for querying the instance list. The value contains 32 to 64 characters. **Default Value** N/A

Response Parameters

Status code: 200

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Table 3-1752 Response body parameters

Parameter	Type	Description
result	String	Response status

Status code: 400

Table 3-1753 Response body parameters

Parameter	Type	Description
details	Array of **DbssErrorDetail** objects	PDP5 authentication exception information
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes
error_msg	String	Error message.

Table 3-1754 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

Status code: 403

Table 3-1755 Response body parameters

Parameter	Type	Description
details	Array of **DbssErrorDetail** objects	PDP5 authentication exception information
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes
error_msg	String	Error message.

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Table 3-1756 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

Status code: 500

Table 3-1757 Response body parameters

Parameter	Type	Description
details	Array of DbssErrorDetail objects	PDP5 authentication exception information
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes
error_msg	String	Error message.

Table 3-1758 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

Example Requests

```
/v1/{project_id}/dbss/audit/instance/start

{
  "instance_id" : "1d07f606-92d2-441c-b05c-dca47e180552"
}
```

Example Responses

Status code: 200

Success

```
{
  "result" : "SUCCESS"
}
```


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Status Codes

Status Code	Description
200	Success
400	Failed
403	Authorization failed.
500	Server error.

Error Codes

See **Error Codes**.

3.19.17 Querying Audit Alarm Information (To Be Brought Offline)

Function

Querying Audit Alarm Information

URI

POST /v1/{project_id}/{instance_id}/audit/alarm-log

Table 3-1759 Path Parameters

Parameter	Mandatory	Type	Description
project_id	Yes	String	**Definition**: Project ID. You can obtain the value by calling the IAM API for querying the project list of a specified IAM user. **Constraints** N/A **Range**: The value is subject to the return value of the IAM service interface. The value contains 32 to 64 characters. **Default Value**: N/A

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Parameter	Mandatory	Type	Description
instance_id	Yes	String	**Definition**: Instance ID. The value can be obtained from the ID field of the API for querying the instance list. **Constraints** N/A **Range**: The value is subject to the value of the API for querying the instance list. The value contains 32 to 64 characters. **Default Value**: N/A

Request Parameters

Table 3-1760 Request header parameters

Parameter	Mandatory	Type	Description
X-Auth-Token	Yes	String	**Definition**: User token. You can obtain the token by calling the IAM API used to query the user token. The token is the value of X-Subject-Token in the response header. **Constraints** N/A **Range**: The value is subject to the user token query interface of the IAM service. **Default Value**: N/A

Table 3-1761 Request body parameters

Parameter	Mandatory	Type	Description
time	Yes	**time** object	Time

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Parameter	Mandatory	Type	Description
risk	No	Array of strings	Risk level. • LOW • MEDIUM • HIGH
type	No	String	Alarm type. The options are as follows: • RISK_RULE: risk rule • RISK_CPU: The CPU usage exceeds the threshold. • RISK_MEMORY: The memory usage exceeds the threshold. • RISK_DISK: The disk usage exceeds the threshold. • RISK_DISK_CAPACITY: The disk capacity is less than six months. • RISK_BACKUP: Backup failed. • AUDIT_QPS_OVERFLOW: traffic threshold-crossing alarm • RISK_AGENT: The Agent is abnormal. • AUDIT_BACKUP_FAILED: indicates that the instance fails to be backed up (O&M side).
status	No	String	Alarm confirmation status • DONE: confirmed • UNDO: unconfirmed
page	Yes	Integer	Page number
size	Yes	Integer	Number of records on each page.

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Table 3-1762 time

Parameter	Mandatory	Type	Description
time_range	No	String	Time range. This parameter cannot be used together with start_time and end_time. If they are used together, this parameter has a higher priority. The value can be: Options: HALF_HOUR, HOUR, THREE_HOUR, TWELVE_HOUR, DAY, WEEK, MONTH;
start_time	No	String	Start time, which must be in pairs with end_time. The format must be yyyy-MM-dd HH:mm:ss. Time when an action occurred, in UTC time.
end_time	No	String	End time, which must be in pairs with start_time. The format must be yyyy-MM-dd HH:mm:ss. Time when an action occurred, in UTC time.

Response Parameters

Status code: 200

Table 3-1763 Response body parameters

Parameter	Type	Description
total_num	Integer	Total records.
alarm_log	Array of **alarm_log** objects	Alarms

Table 3-1764 alarm_log

Parameter	Type	Description
id	String	Alarm ID
alarmLife	String	Alarm status. • ON • OFF

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Parameter	Type	Description
sendEmail	Boolean	Email notification
alarm_time	String	Time when an alarm is generated
alarm_type	String	Alarm type. The options are as follows: • RISK_RULE: risk rule • RISK_CPU: The CPU usage exceeds the threshold. • RISK_MEMORY: The memory usage exceeds the threshold. • RISK_DISK: The disk usage exceeds the threshold. • RISK_DISK_CAPACITY: The disk capacity is less than six months. • RISK_BACKUP: Backup failed. • AUDIT_QPS_OVERFLOW: traffic threshold-crossing alarm • RISK_AGENT: The Agent is abnormal. • AUDIT_BACKUP_FAILED: indicates that the instance fails to be backed up (O&M side).
alarm_fix_time	String	Indicates the alarm clearing time.
alarm_status	String	Alarm confirmation status • DONE: confirmed • UNDO: unconfirmed
alarm_risk	String	Alarm risk severity • LOW: low • MEDIUM: medium • HIGH: high
alarm_description	String	Alarm description

Status code: 400

Table 3-1765 Response body parameters

Parameter	Type	Description
details	Array of **DbssErrorDetail** objects	PDP5 authentication exception information

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Parameter	Type	Description
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes
error_msg	String	Error message.

Table 3-1766 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

Status code: 403

Table 3-1767 Response body parameters

Parameter	Type	Description
details	Array of **DbssErrorDetail** objects	PDP5 authentication exception information
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes
error_msg	String	Error message.

Table 3-1768 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

Status code: 500

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Table 3-1769 Response body parameters

Parameter	Type	Description
details	Array of DbssErrorDetail objects	PDP5 authentication exception information
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes
error_msg	String	Error message.

Table 3-1770 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

Example Requests

/v1/{project_id}/{instance_id}/audit/alarm-log

```
{
  "time" : {
    "time_range" : "DAY",
    "start_time" : null,
    "end_time" : null
  },
  "risk" : null,
  "type" : null,
  "status" : null,
  "page" : 1,
  "size" : 100
}
```

Example Responses

Status code: 200

Success

```
{
  "total_num" : 3,
  "alarm_log" : [ {
    "id" : "99AJFI8BZEbGVdGbOczC",
    "alarmLife" : "ON",
    "sendEmail" : true,
    "alarm_time" : "2024-04-25 06:55:00",
    "alarm_type" : "RISK_DISK",
    "alarm_fix_time" : null,
    "alarm_status" : "UNDO",
    "alarm_description" : "DISK USAGE 5%",
    "alarm_risk" : "HIGH"
  }, {
```


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```
    "id" : "9tAJFI8BZEbGVdGbOcy4",
    "alarmLife" : "ON",
    "sendEmail" : true,
    "alarm_time" : "2024-04-25 06:55:00",
    "alarm_type" : "RISK_MEMORY",
    "alarm_fix_time" : null,
    "alarm_status" : "UNDO",
    "alarm_description" : "MEMORY USAGE 53.54%",
    "alarm_risk" : "HIGH"
  }, {
    "id" : "9dAJFI8BZEbGVdGbOcyq",
    "alarmLife" : "ON",
    "sendEmail" : true,
    "alarm_time" : "2024-04-25 06:55:00",
    "alarm_type" : "RISK_CPU",
    "alarm_fix_time" : null,
    "alarm_status" : "UNDO",
    "alarm_description" : "CPU USAGE 1.0%",
    "alarm_risk" : "HIGH"
  } ]
}
```


Status Codes

Status Code	Description
200	Success
400	Incorrect request parameter.
403	Authorization failed.
500	Internal server error.

Error Codes

See **Error Codes**.

3.19.18 Querying Audit SQL Statements (To Be Brought Offline)

Function

This API is used to query audit SQL statements.

URI

POST /v1/{project_id}/{instance_id}/audit/sqls

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Table 3-1771 Path Parameters

Parameter	Mandatory	Type	Description
project_id	Yes	String	**Definition**: Specifies the project ID. You can obtain the value by calling the IAM API for querying the project list of a specified IAM user. **Constraints** N/A **Range**: The value is subject to the return value of the IAM service interface. The value contains 32 to 64 characters. **Default Value**: N/A
instance_id	Yes	String	**Definition**: Instance ID. The value can be obtained from the ID field of the API for querying the instance list. **Constraints** N/A **Range**: The value is subject to the value of the API for querying the instance list. The value contains 32 to 64 characters. **Default Value**: N/A

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Request Parameters

Table 3-1772 Request header parameters

Parameter	Mandatory	Type	Description
X-Auth-Token	Yes	String	** Parameter description**: User token. You can obtain the token by calling the IAM API used to query the user token. The token is the value of X-Subject-Token in the response header. ** Restrictions**: N/A **Range**: The value is subject to the user token query interface of the IAM service. **Default Value**: N/A

Table 3-1773 Request body parameters

Parameter	Mandatory	Type	Description
time	Yes	**time** object	Query time range
risk_levels	No	String	Risk level • HIGH: high • MEDIUM: medium • LOW: low • NO_RISK: none
client_ip	No	String	Client IP address
client_name	No	String	Client name
db_ip	No	String	Database IP address
db_user	No	String	Database User

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Parameter	Mandatory	Type	Description
query_type	No	String	Query type LOGIN,CREATE_TABLE,CREATE_TABLESPACE,DROP_TABLE, DROP_TABLESPACE,DELETE,INSERT,INSERT_SELECT,SELECT,SELECT_FOR_UPDATE, UPDATE,CREATE_USER,DROP_USER,GRANT,OPERATE ALL
rule_name	No	String	Rule Name
sql_statement	No	String	SQL statement
sql_response	No	String	Response Result • SUCCESS • FAILED
page	Yes	Integer	Page number
size	Yes	Integer	Number of records.
time_order	Yes	String	Time sequence. The value can be: • DESC • ASC

Table 3-1774 time

Parameter	Mandatory	Type	Description
time_range	No	String	Time range. This parameter cannot be used together with start_time and end_time. If they are used together, this parameter has a higher priority. The value can be: • HALF_HOUR: half an hour • HOUR: 1 hour • THREE_HOUR: 3 hours • TWELVE_HOUR: 12 hours • DAY: 1 day • WEEK: one week • MONTH: one month

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Parameter	Mandatory	Type	Description
start_time	No	String	Start time, which must be in pairs with end_time. The format must be yyyy-MM-dd HH:mm:ss. Time when an action occurred, in UTC time.
end_time	No	String	End time, which must be in pairs with start_time. The format must be yyyy-MM-dd HH:mm:ss. Time when an action occurred, in UTC time.

Response Parameters

Status code: 200

Table 3-1775 Response body parameters

Parameter	Type	Description
total	Integer	Total number of license files
count	Integer	Total number of license files
sqls	Array of **sqls** objects	SQL statement list

Table 3-1776 sqls

Parameter	Type	Description
sql	**sql** object	SQL information

Table 3-1777 sql

Parameter	Type	Description
id	String	ID
sql_statement	String	SQL statement
client_ip	String	Client IP address
client_name	String	Client name
db_ip	String	Database IP address
db_user	String	Database Username

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Parameter	Type	Description
query_type	String	Query typeLOGIN,CREATE_TABLE,CREATE_TABLESPACE,DROP_TABLE, DROP_TABLESPACE,DELETE,INSERT,INSERT_SELECT,SELECT,SELECT_FOR_UPDATE, UPDATE,CREATE_USER,DROP_USER,GRANT,OPERATE ALL
operated_obj_info	Array of **operated_obj_info** objects	Action objects
rule_name	String	Rule Name
risk_level	String	Risk level • HIGH • MEDIUM • LOW • NO_RISK
start_time	String	Audit start time
sql_response	String	Response Result • SUCCESS • FAILED
db_instance	String	Database instance

Table 3-1778 operated_obj_info

Parameter	Type	Description
column_name	String	Parameter
object_type	String	Operation Object Type
schema_name	String	Schema name
sql_type	String	SQL type
sys_name	String	System Name
table_name	String	Table Name

Status code: 400

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Table 3-1779 Response body parameters

Parameter	Type	Description
details	Array of **DbssErrorDetail** objects	PDP5 authentication exception information
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes
error_msg	String	Error message.

Table 3-1780 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

Status code: 403

Table 3-1781 Response body parameters

Parameter	Type	Description
details	Array of **DbssErrorDetail** objects	PDP5 authentication exception information
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes
error_msg	String	Error message.

Table 3-1782 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

Status code: 500

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Table 3-1783 Response body parameters

Parameter	Type	Description
details	Array of DbssErrorDetail objects	PDP5 authentication exception information
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes
error_msg	String	Error message.

Table 3-1784 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

Example Requests

/v1/{project_id}/{instance_id}/audit/sqls

```
{
  "time" : {
    "time_range" : "DAY",
    "start_time" : null,
    "end_time" : null
  },
  "risk_levels" : null,
  "client_ip" : null,
  "client_name" : null,
  "db_ip" : null,
  "db_user" : null,
  "query_type" : null,
  "rule_name" : null,
  "sql_statement" : null,
  "sql_response" : null,
  "page" : 1,
  "size" : 50,
  "time_order" : "DESC"
}
```

Example Responses

Status code: 200

Success

```
{
  "total" : 2,
  "count" : 2,
  "sqls" : [ {
    "sql" : {
      "id" : "o1n8BI8BDdIO3rwS4Rea",
```


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```
    "sql_statement" : "create table test(name varchar(1000), age int)",
    "client_ip" : "fe80::f816:3eff:feca:22f5",
    "client_name" : "",
    "db_ip" : "fe80::f816:3eff:feca:22f5",
    "db_user" : "root",
    "query_type" : "CREATE TABLE",
    "operated_obj_info" : [ {
      "column_name" : "",
      "object_type" : "TABLE",
      "schema_name" : "test",
      "sql_type" : "CREATE TABLE",
      "sys_name" : "",
      "table_name" : "test"
    }, {
      "column_name" : "",
      "object_type" : "TABLE",
      "schema_name" : "test",
      "sql_type" : "CREATE",
      "sys_name" : "",
      "table_name" : "test"
    } ],
    "rule_name" : "Full audit rules",
    "risk_level" : "",
    "start_time" : "2024-04-22 08:46:02",
    "sql_response" : "SUCCESS",
    "db_instance" : ""
  }
 }, {
  "sql" : {
    "id" : "pFn8BI8BDdIO3rwS4Rea",
    "sql_statement" : "create table test",
    "client_ip" : "fe80::f816:3eff:feca:22f5",
    "client_name" : "",
    "db_ip" : "fe80::f816:3eff:feca:22f5",
    "db_user" : "root",
    "query_type" : "CREATE",
    "operated_obj_info" : [ {
      "column_name" : "",
      "object_type" : "",
      "schema_name" : "test",
      "sql_type" : "CREATE",
      "sys_name" : "",
      "table_name" : ""
    } ],
    "rule_name" : "Full audit rules",
    "risk_level" : "",
    "start_time" : "2024-04-22 08:46:02",
    "sql_response" : "FAILED",
    "db_instance" : ""
  }
 } ]
}
```


Status Codes

Status Code	Description
200	Success
400	Incorrect request parameter.
403	Authorization failed.
500	Internal server error.

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Error Codes

See **Error Codes**.

3.19.19 Deleting a Database (To Be Brought Offline)

Function

Deleting a Database

URI

DELETE /v2/{project_id}/{instance_id}/audit/databases/{db_id}

Table 3-1785 Path Parameters

Parameter	Mandatory	Type	Description
project_id	Yes	String	**Definition**: Project ID You can obtain the value by calling the IAM API for querying the project list of a specified IAM user. ** Restrictions**: N/A **Range**: The value is subject to the return value of the IAM service interface. The value contains 32 to 64 characters. ** Default value**: N/A
instance_id	Yes	String	** Parameter description**: Instance ID. The value can be obtained from the ID field of the API for querying the instance list. ** Restrictions**: N/A ** Value range**: The value is subject to the value of the API for querying the instance list. The value contains 32 to 64 characters. ** Default value**: N/A

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Parameter	Mandatory	Type	Description
db_id	Yes	String	Database ID, which can be obtained from the ID field of the API for querying the database list.

Request Parameters

Table 3-1786 Request header parameters

Parameter	Mandatory	Type	Description
X-Auth-Token	Yes	String	** Parameter description**: User token. You can obtain the token by calling the IAM API used to query the user token. The token is the value of X-Subject-Token in the response header. ** Restrictions**: N/A ** Value range**: Used by the IAM service to query the user token. ** Default value**: N/A

Response Parameters

Status code: 200

Table 3-1787 Response body parameters

Parameter	Type	Description
result	String	Response status

Status code: 400

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Table 3-1788 Response body parameters

Parameter	Type	Description
details	Array of **DbssErrorDetail** objects	PDP5 authentication exception information
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes
error_msg	String	Error message.

Table 3-1789 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

Status code: 403

Table 3-1790 Response body parameters

Parameter	Type	Description
details	Array of **DbssErrorDetail** objects	PDP5 authentication exception information
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes
error_msg	String	Error message.

Table 3-1791 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

Status code: 500

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Table 3-1792 Response body parameters

Parameter	Type	Description
details	Array of DbssErrorDetail objects	PDP5 authentication exception information
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes
error_msg	String	Error message.

Table 3-1793 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

Example Requests

/v2/{project_id}/{instance_id}/audit/databases/{db_id}

Example Responses

Status code: 200

Success

```
{
  "status" : "SUCCESS"
}
```

Status Codes

Status Code	Description
200	Success
400	Failed
403	Authorization failed.
500	Server error.

Error Codes

See **Error Codes**.

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3.19.20 Disabling Audit Instances (To Be Brought Offline)

Function

This API is used to disable an audit instance.

URI

POST /v1/{project_id}/dbss/audit/instance/stop

Table 3-1794 Path Parameters

Parameter	Mandatory	Type	Description
project_id	Yes	String	**Definition**: Specifies the project ID. You can obtain the value by calling the IAM API for querying the project list of a specified IAM user. **Constraints** N/A **Range**: The value is subject to the return value of the IAM service interface. The value contains 32 to 64 characters. **Default Value**: N/A

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Request Parameters

Table 3-1795 Request header parameters

Parameter	Mandatory	Type	Description
X-Auth-Token	Yes	String	**Definition**: User token. You can obtain the token by calling the IAM API used to query the user token. The token is the value of X-Subject-Token in the response header. **Constraints** N/A **Range**: The value is subject to the user token query interface of the IAM service. **Default Value**: N/A

Table 3-1796 Request body parameters

Parameter	Mandatory	Type	Description
instance_id	Yes	String	**Definition** Instance ID. The value can be obtained from the ID field of the API for querying the instance list. **Constraints** N/A **Range** The value is determined by the value of the API for querying the instance list. The value contains 32 to 64 characters. **Default Value** N/A

Response Parameters

Status code: 200

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Table 3-1797 Response body parameters

Parameter	Type	Description
result	String	Response status

Status code: 400

Table 3-1798 Response body parameters

Parameter	Type	Description
details	Array of **DbssErrorDetail** objects	PDP5 authentication exception information
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes
error_msg	String	Error message.

Table 3-1799 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

Status code: 403

Table 3-1800 Response body parameters

Parameter	Type	Description
details	Array of **DbssErrorDetail** objects	PDP5 authentication exception information
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes
error_msg	String	Error message.

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Table 3-1801 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

Status code: 500

Table 3-1802 Response body parameters

Parameter	Type	Description
details	Array of DbssErrorDetail objects	PDP5 authentication exception information
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes
error_msg	String	Error message.

Table 3-1803 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

Example Requests

```
/v1/{project_id}/dbss/audit/instance/stop

{
  "instance_id" : "1d07f606-92d2-441c-b05c-dca47e180552"
}
```

Example Responses

Status code: 200

Success

```
{
  "result" : "SUCCESS"
}
```

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Status Codes

Status Code	Description
200	Success
400	Failed
403	Authorization failed.
500	Server error.

Error Codes

See **Error Codes**.

3.19.21 Enabling and Disabling the Database (To Be Brought Offline)

Function

Enabling or Disabling Database

URI

POST /v2/{project_id}/{instance_id}/audit/databases/switch

Table 3-1804 Path Parameters

Parameter	Mandatory	Type	Description
project_id	Yes	String	** Parameter description**: Specifies the project ID. You can obtain the value by calling the IAM API for querying the project list of a specified IAM user. ** Restrictions**: N/A ** Value range**: The value is subject to the return value of the IAM service interface. The value contains 32 to 64 characters. ** Default value**: N/A

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Parameter	Mandatory	Type	Description
instance_id	Yes	String	**Definition**: Instance ID. The value can be obtained from the ID field of the API for querying the instance list. ** Restrictions**: N/A **Range**: The value is subject to the value of the API for querying the instance list. The value contains 32 to 64 characters. ** Default value**: N/A

Request Parameters

Table 3-1805 Request header parameters

Parameter	Mandatory	Type	Description
X-Auth-Token	Yes	String	** Parameter description**: User token. You can obtain the token by calling the IAM API used to query the user token. The token is the value of X-Subject-Token in the response header. ** Restrictions**: N/A ** Value range**: Used by the IAM service to query the user token. ** Default value**: N/A

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Table 3-1806 Request body parameters

Parameter	Mandatory	Type	Description
id	Yes	String	Database ID, which can be obtained from the ID field of the API for querying the database list.
status	Yes	String	Switch status. • **ON**: enabled • **OFF**: disabled
lts_audit_switch	No	Integer	Whether to disable LTS audit, which is used in the DWS database scenario. If you do not disable LTS audit, no operation is required. • **1**: yes • **0** or others: remain unchanged

Response Parameters

Status code: 200

Table 3-1807 Response body parameters

Parameter	Type	Description
status	String	Alarm status. • SUCCESS: success • FAILED: failed

Status code: 400

Table 3-1808 Response body parameters

Parameter	Type	Description
details	Array of **DbssErrorDetail** objects	PDP5 authentication exception information
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes

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Parameter	Type	Description
error_msg	String	Error message.

Table 3-1809 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

Status code: 403

Table 3-1810 Response body parameters

Parameter	Type	Description
details	Array of **DbssErrorDetail** objects	PDP5 authentication exception information
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes
error_msg	String	Error message.

Table 3-1811 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

Status code: 500

Table 3-1812 Response body parameters

Parameter	Type	Description
details	Array of **DbssErrorDetail** objects	PDP5 authentication exception information

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Parameter	Type	Description
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes
error_msg	String	Error message.

Table 3-1813 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

Example Requests

```
/v2/{project_id}/{instance_id}/audit/databases/switch

{
  "id" : "Gadr-Y4B51p4J06s5s5B",
  "status" : "OFF"
}
```

Example Responses

Status code: 200

Success

```
{
  "status" : "success"
}
```

Status Codes

Status Code	Description
200	Success
400	Failed
403	Authorization failed.
500	Server error.

Error Codes

See **Error Codes**.

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3.19.22 Restarting an Audit Instance (To Be Brought Offline)

Function

This API is used to restart an audit instance.

URI

POST /v1/{project_id}/dbss/audit/instance/reboot

Table 3-1814 Path Parameters

Parameter	Mandatory	Type	Description
project_id	Yes	String	**Definition**: Project ID. You can obtain the value by calling the IAM API for querying the project list of a specified IAM user. **Constraints** N/A **Range**: The value is subject to the return value of the IAM service interface. The value contains 32 to 64 characters. **Default Value**: N/A

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Request Parameters

Table 3-1815 Request header parameters

Parameter	Mandatory	Type	Description
X-Auth-Token	Yes	String	**Definition**: User token. You can obtain the token by calling the IAM API used to query the user token. The token is the value of X-Subject-Token in the response header. **Constraints** N/A **Range**: The value is subject to the user token query interface of the IAM service. **Default Value**: N/A

Table 3-1816 Request body parameters

Parameter	Mandatory	Type	Description
instance_id	Yes	String	**Definition** Instance ID. The value can be obtained from the ID field of the API for querying the instance list. **Constraints** N/A **Range** The value is determined by the value of the API for querying the instance list. The value contains 32 to 64 characters. **Default Value** N/A

Response Parameters

Status code: 200

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Table 3-1817 Response body parameters

Parameter	Type	Description
result	String	Response status

Status code: 400

Table 3-1818 Response body parameters

Parameter	Type	Description
details	Array of **DbssErrorDetail** objects	PDP5 authentication exception information
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes
error_msg	String	Error message.

Table 3-1819 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

Status code: 403

Table 3-1820 Response body parameters

Parameter	Type	Description
details	Array of **DbssErrorDetail** objects	PDP5 authentication exception information
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes
error_msg	String	Error message.

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Table 3-1821 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

Status code: 500

Table 3-1822 Response body parameters

Parameter	Type	Description
details	Array of DbssErrorDetail objects	PDP5 authentication exception information
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes
error_msg	String	Error message.

Table 3-1823 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

Example Requests

```
/v1/{project_id}/dbss/audit/instance/reboot

{
  "instance_id" : "1d07f606-92d2-441c-b05c-dca47e180552"
}
```

Example Responses

Status code: 200

Success

```
{
  "result" : "success"
}
```


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Status Codes

Status Code	Description
200	Success
400	Failed
403	Authorization failed.
500	Server error.

Error Codes

See **Error Codes**.

3.19.23 Updating Audit Instance Information (To Be Brought Offline)

Function

Updating Audit Instance Information

URI

PUT /v1/{project_id}/dbss/audit/instances/{instance_id}

Table 3-1824 Path Parameters

Parameter	Mandatory	Type	Description
project_id	Yes	String	**Definition**: Specifies the project ID. You can obtain the value by calling the IAM API for querying the project list of a specified IAM user. **Constraints** N/A **Range**: The value is subject to the return value of the IAM service interface. The value contains 32 to 64 characters. **Default Value**: N/A

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Parameter	Mandatory	Type	Description
instance_id	Yes	String	**Definition**: Instance ID. The value can be obtained from the ID field of the API for querying the instance list. **Constraints** N/A **Range**: The value is subject to the value of the API for querying the instance list. The value contains 32 to 64 characters. **Default Value**: N/A

Request Parameters

Table 3-1825 Request header parameters

Parameter	Mandatory	Type	Description
X-Auth-Token	Yes	String	**Definition**: User token. You can obtain the token by calling the IAM API used to query the user token. The token is the value of X-Subject-Token in the response header. ** Restrictions**: N/A **Range**: The value is subject to the user token query interface of the IAM service. **Default Value**: N/A

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Table 3-1826 Request body parameters

Parameter	Mandatory	Type	Description
name	No	String	Instance name. The value can contain a maximum of 64 characters. Letters, numbers, underscores (_), and hyphens (-) are allowed. It cannot be an empty string.
comment	No	String	Instance description. The value can contain a maximum of 255 characters. Letters, numbers, underscores (_), hyphens (-), and spaces are allowed. It can be an empty string.

Response Parameters

Status code: 200

Table 3-1827 Response body parameters

Parameter	Type	Description
result	String	Response status

Status code: 400

Table 3-1828 Response body parameters

Parameter	Type	Description
details	Array of **DbssErrorDetail** objects	PDP5 authentication exception information
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes
error_msg	String	Error message.

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Table 3-1829 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

Status code: 403

Table 3-1830 Response body parameters

Parameter	Type	Description
details	Array of **DbssErrorDetail** objects	PDP5 authentication exception information
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes
error_msg	String	Error message.

Table 3-1831 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

Status code: 500

Table 3-1832 Response body parameters

Parameter	Type	Description
details	Array of **DbssErrorDetail** objects	PDP5 authentication exception information
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes
error_msg	String	Error message.

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Table 3-1833 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

Example Requests

```
/v1/{project_id}/dbss/audit/instances/{instance_id}

{
  "name" : "DBSS-test1"
}
```

Example Responses

Status code: 200

Success

```
{
  "result" : "success"
}
```

Status Codes

Status Code	Description
200	Success
400	Failed
403	Authorization failed.
500	Server error.

Error Codes

See **Error Codes**.

3.19.24 Adding an Audit Database Agent (to Be Brought Offline)

Function

Adding an Audit Database Agent

URI

POST /v2/{project_id}/{instance_id}/audit/agents

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Table 3-1834 Path Parameters

Parameter	Mandatory	Type	Description
project_id	Yes	String	**Definition**: Project ID You can obtain the value by calling the IAM API for querying the project list of a specified IAM user. ** Restrictions**: N/A **Range**: The value is subject to the return value of the IAM service interface. The value contains 32 to 64 characters. ** Default value**: N/A
instance_id	Yes	String	**Definition**: Instance ID. The value can be obtained from the ID field of the API for querying the instance list. ** Restrictions**: N/A **Range**: The value is subject to the value of the API for querying the instance list. The value contains 32 to 64 characters. ** Default value**: N/A

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Request Parameters

Table 3-1835 Request header parameters

Parameter	Mandatory	Type	Description
X-Auth-Token	Yes	String	** Parameter description**: User token. You can obtain the token by calling the IAM API used to query the user token. The token is the value of X-Subject-Token in the response header. ** Restrictions**: N/A ** Value range**: Used by the IAM service to query the user token. ** Default value**: N/A

Table 3-1836 Request body parameters

Parameter	Mandatory	Type	Description
db_id	Yes	String	Database ID, which can be obtained from the ID field of the API for querying the database list.
mode	Yes	Integer	Mode • 0: Create an agent. • 1: Select an existing agent.
agent_id	No	String	Mandatory when an existing agent is selected
agent_type	Yes	String	Agent type. The value can be: • APP: application end • DB: database
agent_os	Yes	String	Agent OS type. The value can be: • LINUX64_X86 • LINUX64_ARM • WINDOWS64

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Parameter	Mandatory	Type	Description
agent_ip	No	String	Agent IP address. This is mandatory when node type is set to Application.
agent_nic	No	String	Name of the agent audit NIC
cpu_threshold	No	Integer	CPU threshold
mem_threshold	No	Integer	Memory Threshold

Response Parameters

Status code: 200

Table 3-1837 Response body parameters

Parameter	Type	Description
result	String	Response status

Status code: 400

Table 3-1838 Response body parameters

Parameter	Type	Description
details	Array of DbssErrorDetail objects	PDP5 authentication exception information
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes
error_msg	String	Error message.

Table 3-1839 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

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Status code: 403

Table 3-1840 Response body parameters

Parameter	Type	Description
details	Array of **DbssErrorDetail** objects	PDP5 authentication exception information
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes
error_msg	String	Error message.

Table 3-1841 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

Status code: 500

Table 3-1842 Response body parameters

Parameter	Type	Description
details	Array of **DbssErrorDetail** objects	PDP5 authentication exception information
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes
error_msg	String	Error message.

Table 3-1843 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

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Example Requests

```
/v2/{project_id}/{instance_id}/audit/agents

{
  "db_id" : "Gadr-Y4B51p4J06s5s5B",
  "mode" : 0,
  "agent_type" : "DB",
  "agent_os" : "LINUX64_X86",
  "cpu_threshold" : 80,
  "mem_threshold" : 80
}
```

Example Responses

Status code: 200

Success

```
{
  "result" : "SUCCESS"
}
```

Status Codes

Status Code	Description
200	Success
400	Failed
403	Authorization failed.
500	Server error.

Error Codes

See **Error Codes**.

3.19.25 Deleting a Database Agent (To Be Brought Offline)

Function

Deleting a Database Agent

URI

DELETE /v2/{project_id}/{instance_id}/audit/agents/{agent_id}

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Table 3-1844 Path Parameters

Parameter	Mandatory	Type	Description
project_id	Yes	String	**Definition**: Project ID You can obtain the value by calling the IAM API for querying the project list of a specified IAM user. ** Restrictions**: N/A **Range**: The value is subject to the return value of the IAM service interface. The value contains 32 to 64 characters. ** Default value**: N/A
instance_id	Yes	String	**Definition**: Instance ID. The value can be obtained from the ID field of the API for querying the instance list. ** Restrictions**: N/A **Range**: The value is subject to the value of the API for querying the instance list. The value contains 32 to 64 characters. ** Default value**: N/A
agent_id	Yes	String	Agent ID. You can obtain the value from the ID field of the API for querying the agent list.

Table 3-1845 Query Parameters

Parameter	Mandatory	Type	Description
db_id	Yes	String	Database ID, which can be obtained from the ID field of the API for querying the database list.

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Request Parameters

Table 3-1846 Request header parameters

Parameter	Mandatory	Type	Description
X-Auth-Token	Yes	String	**Definition**: User token. The token can be queried by calling the IAM API. (The token is the value of X-Subject-Token in the response header.) ** Restrictions**: N/A **Range**: Used by the IAM service to query the user token. ** Default value**: N/A

Response Parameters

Status code: 200

Table 3-1847 Response body parameters

Parameter	Type	Description
result	String	Response status

Status code: 400

Table 3-1848 Response body parameters

Parameter	Type	Description
details	Array of DbssErrorDetail objects	PDP5 authentication exception information
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes
error_msg	String	Error message.

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Table 3-1849 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

Status code: 403

Table 3-1850 Response body parameters

Parameter	Type	Description
details	Array of **DbssErrorDetail** objects	PDP5 authentication exception information
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes
error_msg	String	Error message.

Table 3-1851 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

Status code: 500

Table 3-1852 Response body parameters

Parameter	Type	Description
details	Array of **DbssErrorDetail** objects	PDP5 authentication exception information
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes
error_msg	String	Error message.

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Table 3-1853 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

Example Requests

```
/v2/{project_id}/{instance_id}/audit/agents/{agent_id}
```

Example Responses

Status code: 200

Success

```
{
  "result" : "SUCCESS"
}
```

Status Codes

Status Code	Description
200	Success
400	Failed
403	Authorization failed.
500	Server error.

Error Codes

See **Error Codes**.

3.19.26 Querying the Audit Scope Policy List (To Be Brought Offline)

Function

Querying the Policy List of an Audit Scope

URI

GET /v1/{project_id}/{instance_id}/dbss/audit/rule/scopes

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Table 3-1854 Path Parameters

Parameter	Mandatory	Type	Description
project_id	Yes	String	**Definition**: Project ID. You can obtain the value by calling the IAM API for querying the project list of a specified IAM user. **Constraints** N/A **Range**: The value is subject to the return value of the IAM service interface. The value contains 32 to 64 characters. **Default Value**: N/A
instance_id	Yes	String	**Definition**: Instance ID. The value can be obtained from the ID field of the API for querying the instance list. **Constraints** N/A **Range**: The value is subject to the value of the API for querying the instance list. The value contains 32 to 64 characters. **Default Value**: N/A

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Table 3-1855 Query Parameters

Parameter	Mandatory	Type	Description
offset	No	String	**Definition**: Pagination offset. The query starts from the next piece of data indexed by this parameter. **Constraints** Only integers greater than or equal to 0 are supported. **Range**: Greater than or equal to 0 **Default Value**: The default value is 0.
limit	No	String	**Definition**: Number of records queried on each page. **Constraints** Only integers greater than 0 are supported. **Range**: Greater than 0 and less than or equal to 10000 **Default Value**: The default value is 100.

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Request Parameters

Table 3-1856 Request header parameters

Parameter	Mandatory	Type	Description
X-Auth-Token	Yes	String	**Definition**: User token. You can obtain the token by calling the IAM API used to query the user token. The token is the value of X-Subject-Token in the response header. **Constraints** N/A **Range**: The value is subject to the user token query interface of the IAM service. **Default Value**: N/A

Response Parameters

Status code: 200

Table 3-1857 Response body parameters

Parameter	Type	Description
scopes	Array of **RuleScopeInfo** objects	Audit scope rule list
total	Integer	Total number

Table 3-1858 RuleScopeInfo

Parameter	Type	Description
id	String	Audit scope rule ID
name	String	Audit scope name
action	String	Actions in the audit scope
status	String	Audit scope rule status
exception_ips	String	Exception IP address of the audit scope

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Parameter	Type	Description
source_ips	String	Source IP address of the audit scope rule
source_ports	String	Port of the audit scope rule
db_ids	String	Database ID.
db_names	String	Database name
db_users	String	Database user.
all_audit	Boolean	Whether to perform full audit.

Status code: 400

Table 3-1859 Response body parameters

Parameter	Type	Description
details	Array of **DbssErrorDetail** objects	PDP5 authentication exception information
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes
error_msg	String	Error message.

Table 3-1860 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

Status code: 403

Table 3-1861 Response body parameters

Parameter	Type	Description
details	Array of **DbssErrorDetail** objects	PDP5 authentication exception information

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Parameter	Type	Description
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes
error_msg	String	Error message.

Table 3-1862 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

Status code: 500

Table 3-1863 Response body parameters

Parameter	Type	Description
details	Array of DbssErrorDetail objects	PDP5 authentication exception information
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes
error_msg	String	Error message.

Table 3-1864 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

Example Requests

/v1/{project_id}/{instance_id}/dbss/audit/rule/scopes

Example Responses

Status code: 200

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Success

```
{
  "scopes" : [ {
    "id" : "zX4W2ngBo47GiyUSBuNs",
    "name" : "Full audit rules",
    "action" : "",
    "status" : "ON",
    "exception_ips" : "",
    "source_ips" : "",
    "source_ports" : "",
    "db_ids" : "",
    "db_names" : "",
    "db_users" : "",
    "all_audit" : true
  } ],
  "total" : 1
}
```

Status Codes

Status Code	Description
200	Success
400	Incorrect request parameter.
403	Authorization failed.
500	Internal server error.

Error Codes

See **Error Codes**.

3.19.27 Enabling or Disabling the Agent (To Be Brought Offline)

Function

This API is used to enable or disable the agent audit function. An enabled agent collects user access information.

URI

POST /v1/{project_id}/{instance_id}/audit/agent/switch

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Table 3-1865 Path Parameters

Parameter	Mandatory	Type	Description
project_id	Yes	String	**Definition**: Project ID. You can obtain the value by calling the IAM API for querying the project list of a specified IAM user. **Constraints** N/A **Range**: The value is subject to the return value of the IAM service interface. The value contains 32 to 64 characters. **Default Value**: N/A
instance_id	Yes	String	**Definition**: Instance ID. The value can be obtained from the ID field of the API for querying the instance list. **Constraints** N/A **Range**: The value is subject to the value of the API for querying the instance list. The value contains 32 to 64 characters. **Default Value**: N/A

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Request Parameters

Table 3-1866 Request header parameters

Parameter	Mandatory	Type	Description
X-Auth-Token	Yes	String	**Definition**: User token. The token can be queried by calling the IAM API. (The token is the value of X-Subject-Token in the response header.) **Constraints** N/A **Range**: The value is subject to the user token query interface of the IAM service. **Default Value**: N/A

Table 3-1867 Request body parameters

Parameter	Mandatory	Type	Description
agent_id	Yes	String	Audit agent ID. You can obtain the value from the ID field of the API for querying the agent list.
status	Yes	Integer	Agent status. The value can be: • 1: enabled • 0: disabled

Response Parameters

Status code: 200

Table 3-1868 Response body parameters

Parameter	Type	Description
result	String	Response status

Status code: 400

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Table 3-1869 Response body parameters

Parameter	Type	Description
details	Array of **DbssErrorDetail** objects	PDP5 authentication exception information
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes
error_msg	String	Error message.

Table 3-1870 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

Status code: 403

Table 3-1871 Response body parameters

Parameter	Type	Description
details	Array of **DbssErrorDetail** objects	PDP5 authentication exception information
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes
error_msg	String	Error message.

Table 3-1872 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

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Example Requests

```
/v1/{project_id}/{instance_id}/audit/agent/switch

{
  "agent_id" : "ASWDSDSDSWEWDSDSD",
  "status" : 1
}
```

Example Responses

Status code: 200

Request succeeded.

```
{
  "result" : "SUCCESS"
}
```

Status Codes

Status Code	Description
200	Request succeeded.
400	Invalid request parameter.
403	Authentication failed.

Error Codes

See **Error Codes**.

3.19.28 Downloading the Audit Agent (to Be Brought Offline)

Function

Downloading the Audit Agent

URI

GET /v2/{project_id}/{instance_id}/audit/agents/{agent_id}

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Table 3-1873 Path Parameters

Parameter	Mandatory	Type	Description
project_id	Yes	String	**Definition**: Project ID You can obtain the value by calling the IAM API for querying the project list of a specified IAM user. ** Restrictions**: N/A **Range**: The value is subject to the return value of the IAM service interface. The value contains 32 to 64 characters. ** Default value**: N/A
instance_id	Yes	String	**Definition**: Instance ID. The value can be obtained from the ID field of the API for querying the instance list. ** Restrictions**: N/A **Range**: The value is subject to the value of the API for querying the instance list. The value contains 32 to 64 characters. ** Default value**: N/A
agent_id	Yes	String	Agent ID. You can obtain the value from the ID field of the API for querying the agent list.

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Request Parameters

Table 3-1874 Request header parameters

Parameter	Mandatory	Type	Description
X-Auth-Token	Yes	String	**Definition**: User token. The token can be queried by calling the IAM API. (The token is the value of X-Subject-Token in the response header.) ** Restrictions**: N/A **Range**: Used by the IAM service to query the user token. ** Default value**: N/A

Response Parameters

Status code: 200

Table 3-1875 Response body parameters

Parameter	Type	Description
result	String	Response status

Status code: 400

Table 3-1876 Response body parameters

Parameter	Type	Description
details	Array of **DbssErrorDetail** objects	PDP5 authentication exception information
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes
error_msg	String	Error message.

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Table 3-1877 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

Status code: 403

Table 3-1878 Response body parameters

Parameter	Type	Description
details	Array of **DbssErrorDetail** objects	PDP5 authentication exception information
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes
error_msg	String	Error message.

Table 3-1879 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

Example Requests

```
/v2/{project_id}/{instance_id}/audit/agents/{agent_id}
```

Example Responses

Status code: 200

Request succeeded.

```
{
  "result" : "SUCCESS"
}
```


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Status Codes

Status Code	Description
200	Request succeeded.
400	Invalid request parameter.
403	Authentication failed.

Error Codes

See **Error Codes**.

3.19.29 Querying SQL Injection Rules (To Be Brought Offline)

Function

Querying SQL Injection Rule Policies

URI

POST /v1/{project_id}/{instance_id}/dbss/audit/rule/sql-injections

Table 3-1880 Path Parameters

Parameter	Mandatory	Type	Description
project_id	Yes	String	**Definition**: Project ID. You can obtain the value by calling the IAM API for querying the project list of a specified IAM user. ** Restrictions**: N/A **Range**: The value is subject to the return value of the IAM service interface. The value contains 32 to 64 characters. ** Default value**: N/A

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Parameter	Mandatory	Type	Description
instance_id	Yes	String	**Definition**: Instance ID. The value can be obtained from the ID field of the API for querying the instance list. **Constraints** N/A **Range**: The value is subject to the value of the API for querying the instance list. The value contains 32 to 64 characters. **Default Value**: N/A

Request Parameters

Table 3-1881 Request header parameters

Parameter	Mandatory	Type	Description
X-Auth-Token	Yes	String	**Definition**: User token. The token can be queried by calling the IAM API. (The token is the value of X-Subject-Token in the response header.) ** Restrictions**: N/A **Range**: Used by the IAM service to query the user token. ** Default value**: N/A

Table 3-1882 Request body parameters

Parameter	Mandatory	Type	Description
page	No	Integer	Current page
size	No	Integer	Page size.

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Parameter	Mandatory	Type	Description
risk_levels	No	String	Risk level. • **HIGH** • **MEDIUM** • **LOW** • **NO_RISK**

Response Parameters

Status code: 200

Table 3-1883 Response body parameters

Parameter	Type	Description
rules	Array of **rules** objects	SQL rule list
total	Integer	Total number.

Table 3-1884 rules

Parameter	Type	Description
id	String	SQL rule ID
name	String	SQL rule name
status	String	Rule status. • **ON** • **OFF**
risk_level	String	Risk level. • **HIGH** • **MEDIUM** • **LOW**
type	String	Risk type
rank	Integer	Priority. A smaller value indicates a higher priority.
feature	String	SQL command feature
regex	String	Regular expression.

Status code: 400

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Table 3-1885 Response body parameters

Parameter	Type	Description
details	Array of **DbssErrorDetail** objects	PDP5 authentication exception information
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes
error_msg	String	Error message.

Table 3-1886 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

Status code: 403

Table 3-1887 Response body parameters

Parameter	Type	Description
details	Array of **DbssErrorDetail** objects	PDP5 authentication exception information
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes
error_msg	String	Error message.

Table 3-1888 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

Status code: 500

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Table 3-1889 Response body parameters

Parameter	Type	Description
details	Array of DbssErrorDetail objects	PDP5 authentication exception information
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes
error_msg	String	Error message.

Table 3-1890 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

Example Requests

```
/v1/{project_id}/{instance_id}/dbss/audit/rule/sql-injections

{
  "risk_levels" : "HIGH"
}
```

Example Responses

Status code: 200

Success

```
{
  "rules" : [ {
    "id" : "zX4W2ngBo47GiyUSBuNs",
    "name" : "MySQL error SQL injection",
    "status" : "ON",
    "type" : "SYSTEM",
    "risk_level" : "HIGH",
    "rank" : 1,
    "feature" : "Regular Expression",
    "regex" : "((.*)?(select)\\s+[0-9]+\\s+from\\s+\\(\\s*select\\s+count(.*)?(concat)\\s*(.*)?(from)\
\s*(information_schema.tables)(.*)?(group)\\s+(by)(.*)?)"
  } ],
  "total" : 1
}
```


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Status Codes

Status Code	Description
200	Success
400	Incorrect request parameter.
403	Authorization failed.
500	Internal server error.

Error Codes

See **Error Codes**.

3.19.30 Querying Risk Rule Policies (To Be Brought Offline)

Function

Querying a Risk Rule Policy

URI

GET /v1/{project_id}/{instance_id}/dbss/audit/rule/risk

Table 3-1891 Path Parameters

Parameter	Mandatory	Type	Description
project_id	Yes	String	**Definition**: Project ID. You can obtain the value by calling the IAM API for querying the project list of a specified IAM user. **Constraints** N/A **Range**: The value is subject to the return value of the IAM service interface. The value contains 32 to 64 characters. **Default Value**: N/A

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Parameter	Mandatory	Type	Description
instance_id	Yes	String	**Definition**: Instance ID. The value can be obtained from the ID field of the API for querying the instance list. **Constraints** N/A **Range**: The value is subject to the value of the API for querying the instance list. The value contains 32 to 64 characters. **Default Value**: N/A

Table 3-1892 Query Parameters

Parameter	Mandatory	Type	Description
name	No	String	Risk name
risk_levels	No	String	Risk level • LOW • MEDIUM • HIGH • NO_RISK

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Request Parameters

Table 3-1893 Request header parameters

Parameter	Mandatory	Type	Description
X-Auth-Token	Yes	String	**Definition**: User token. The token can be queried by calling the IAM API. (The token is the value of X-Subject-Token in the response header.) ** Restrictions**: N/A **Range**: Used by the IAM service to query the user token. ** Default value**: N/A

Response Parameters

Status code: 200

Table 3-1894 Response body parameters

Parameter	Type	Description
rules	Array of **rules** objects	List of risk rules
total	Integer	Total number.
customize_total	Integer	Number of custom rules

Table 3-1895 rules

Parameter	Type	Description
id	String	Risk rule ID
name	String	Risk rule name
type	String	Risk rule type
feature	String	Risk rule characteristics

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Parameter	Type	Description
status	String	Risk rule status. The value can be: • **ON**: enabled • **OFF**: disabled
rank	Integer	Risk rule priority. A smaller value indicates a higher priority.
risk_level	String	Risk level. • LOW • MEDIUM • HIGH • NO_RISK
rule_type	String	Rule type

Status code: 400

Table 3-1896 Response body parameters

Parameter	Type	Description
details	Array of **DbssErrorDetail** objects	PDP5 authentication exception information
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes
error_msg	String	Error message.

Table 3-1897 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

Status code: 403

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Table 3-1898 Response body parameters

Parameter	Type	Description
details	Array of **DbssErrorDetail** objects	PDP5 authentication exception information
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes
error_msg	String	Error message.

Table 3-1899 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

Status code: 500

Table 3-1900 Response body parameters

Parameter	Type	Description
details	Array of **DbssErrorDetail** objects	PDP5 authentication exception information
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes
error_msg	String	Error message.

Table 3-1901 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

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Example Requests

/v1/{project_id}/{instance_id}/dbss/audit/rule/risk

Example Responses

Status code: 200

Success


```
{
  "rules" : [ {
    "id" : "xX4W2ngBo47GiyUSBeOy",
    "name" : "Database_drag_detection",
    "type" : "OPERATE",
    "feature" : "CLIENT[Any]OPERATE[[SELECT]OBJECT[Any]",
    "status" : "ON",
    "rank" : -1,
    "risk_level" : "HIGH"
  }, {
    "id" : "xn4W2ngBo47GiyUSBeP4",
    "name" : "Database_Slow_SQL_Detection",
    "type" : "OPERATE",
    "feature" : "CLIENT[Any]OPERATE[[SELECT]OBJECT[Any]",
    "status" : "ON",
    "rank" : -2,
    "risk_level" : "LOW"
  } ],
  "total" : 2
}
```


Status Codes

Status Code	Description
200	Success
400	Incorrect request parameter.
403	Authorization failed.
500	Internal server error.

Error Codes

See **Error Codes**.

3.19.31 Querying a Risk Rule Policy (To Be Brought Offline)

Function

Querying a Specified Risk Rule Policy

URI

GET /v1/{project_id}/{instance_id}/dbss/audit/rule/risk/{risk_id}

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Table 3-1902 Path Parameters

Parameter	Mandatory	Type	Description
project_id	Yes	String	**Definition**: Project ID. You can obtain the value by calling the IAM API for querying the project list of a specified IAM user. **Constraints** N/A **Range**: The value is subject to the return value of the IAM service interface. The value contains 32 to 64 characters. **Default Value**: N/A
instance_id	Yes	String	**Definition**: Instance ID. The value can be obtained from the ID field of the API for querying the instance list. **Constraints** N/A **Range**: The value is subject to the value of the API for querying the instance list. The value contains 32 to 64 characters. **Default Value**: N/A
risk_id	Yes	String	Risk rule ID. You can obtain the value from the ID field in the API for querying risk rule policies.

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Request Parameters

Table 3-1903 Request header parameters

Parameter	Mandatory	Type	Description
X-Auth-Token	Yes	String	**Definition**: User token. The token can be queried by calling the IAM API. (The token is the value of X-Subject-Token in the response header.) **Constraints** N/A **Range**: The value is subject to the user token query interface of the IAM service. **Default Value**: N/A

Response Parameters

Status code: 200

Table 3-1904 Response body parameters

Parameter	Type	Description
rule_id	String	Risk rule ID
rule_name	String	Risk name
status	String	Risk rule status. The value can be: • **OFF** • **ON**
action	String	Operation set, which is separated by commas (,).LOGIN,CREATE_TABLE,CREATE_TABLESPACE,DROP_TABLE, DROP_TABLESPACE,DELETE,INSERT,INSERT_SELECT,SELECT,SELECT_FOR_UPDATE, UPDATE,CREATE_USER,DROP_USER,GRANT,OPERATE ALL
schemas	Array of **schemas** objects	Schema list

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Parameter	Type	Description
rank	Integer	Risk rule priority. A smaller value indicates a higher priority.
ignore_case	Boolean	Case insensitive or not.
risk_level	String	Risk level. • **LOW** • **MEDIUM** • **HIGH** • **NO_RISK**
db_ids	String	Database ID. Values are separated by commas (,). A single ID can contain up to 256 characters.
execution_symbol	String	Relationship between the execution duration and the execution duration threshold. The value can be: • **GREATER** • **EQUAL** • **LESS** • **GREATER_EQUAL** • **LESS_EQUAL** • **NO_MATCH**
execution_time	Integer	Execution duration threshold
affect_symbol	String	Relationship between the number of affected rows and the rows threshold. The value can be: • **GREATER** • **EQUAL** • **LESS** • **GREATER_EQUAL** • **LESS_EQUAL** • **NO_MATCH**
affect_rows	Integer	Threshold of affected rows
client_ips	String	Client IP address segment. The value is in the IP-IP format or IP/XX format. IP address segments are separated by commas (,).

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Table 3-1905 schemas

Parameter	Type	Description
schema	String	Schema name
table	String	Table name
column	String	Column name

Status code: 400

Table 3-1906 Response body parameters

Parameter	Type	Description
details	Array of **DbssErrorDetail** objects	PDP5 authentication exception information
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes
error_msg	String	Error message.

Table 3-1907 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

Status code: 403

Table 3-1908 Response body parameters

Parameter	Type	Description
details	Array of **DbssErrorDetail** objects	PDP5 authentication exception information
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes

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Parameter	Type	Description
error_msg	String	Error message.

Table 3-1909 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

Status code: 500

Table 3-1910 Response body parameters

Parameter	Type	Description
details	Array of DbssErrorDetail objects	PDP5 authentication exception information
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes
error_msg	String	Error message.

Table 3-1911 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

Example Requests

/v1/{project_id}/{instance_id}/dbss/audit/rule/risk/{risk_id}

Example Responses

Status code: 200

Success

```
{
  "status" : "OFF",
  "action" : "LOGIN,SELECT,INSERT",
```


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```
 "schemas" : [ {
   "schema" : "dbss_audit",
   "table" : null,
   "column" : null
 } ],
 "rank" : 6,
 "ignore_case" : false,
 "rule_id" : "AWT0HznX7At9UslqwTfm",
 "rule_name" : "risk_rule_name_00",
 "risk_level" : "MEDIUM",
 "db_ids" : "11111,22222",
 "execution_symbol" : "GREATER",
 "execution_time" : 10000,
 "affect_symbol" : "GREATER",
 "affect_rows" : 30,
 "client_ips" : "192.168.0.1"
}
```


Status Codes

Status Code	Description
200	Success
400	Incorrect request parameter.
403	Authorization failed.
500	Internal server error.

Error Codes

See **Error Codes**.

3.19.32 Querying Privacy Data Desensitization Rules (To Be Brought Offline)

Function

Querying a Privacy Data Masking Rule

URI

GET /v1/{project_id}/{instance_id}/dbss/audit/sensitive/masks

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Table 3-1912 Path Parameters

Parameter	Mandatory	Type	Description
project_id	Yes	String	**Definition**: Project ID You can obtain the value by calling the IAM API for querying the project list of a specified IAM user. ** Restrictions**: N/A **Range**: The value is subject to the return value of the IAM service interface. The value contains 32 to 64 characters. ** Default value**: N/A
instance_id	Yes	String	** Parameter description**: Instance ID. The value can be obtained from the ID field of the API for querying the instance list. ** Restrictions**: N/A ** Value range**: The value is subject to the value of the API for querying the instance list. The value contains 32 to 64 characters. ** Default value**: N/A

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Table 3-1913 Query Parameters

Parameter	Mandatory	Type	Description
offset	No	String	**Definition**: Pagination offset. The query starts from the next piece of data indexed by this parameter. ** Restrictions**: Only integers greater than or equal to 0 are supported. **Range**: Greater than or equal to 0 ** Default value**: The default value is 0.
limit	No	String	**Definition**: Number of records queried on each page. ** Restrictions**: Only integers greater than 0 are supported. **Range**: Greater than 0 and less than or equal to 10000 ** Default value**: The default value is 100.

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Request Parameters

Table 3-1914 Request header parameters

Parameter	Mandatory	Type	Description
X-Auth-Token	Yes	String	** Parameter description**: User token. You can obtain the token by calling the IAM API used to query the user token. The token is the value of X-Subject-Token in the response header. ** Restrictions**: N/A ** Value range**: Used by the IAM service to query the user token. ** Default value**: N/A

Response Parameters

Status code: 200

Table 3-1915 Response body parameters

Parameter	Type	Description
rules	Array of **rules** objects	Rule list.
total	Integer	Total number.

Table 3-1916 rules

Parameter	Type	Description
id	String	Rule ID.
name	String	Rule name.
type	String	Rule type.
regex	String	Rule regular expression.
mask_value	String	Substitution value.
status	String	Rule status.

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Parameter	Type	Description
operate_time	String	Operation time.

Status code: 400

Table 3-1917 Response body parameters

Parameter	Type	Description
details	Array of DbssErrorDetail objects	PDP5 authentication exception information
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes
error_msg	String	Error message.

Table 3-1918 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

Status code: 403

Table 3-1919 Response body parameters

Parameter	Type	Description
details	Array of DbssErrorDetail objects	PDP5 authentication exception information
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes
error_msg	String	Error message.

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Table 3-1920 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

Status code: 500

Table 3-1921 Response body parameters

Parameter	Type	Description
details	Array of DbssErrorDetail objects	PDP5 authentication exception information
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes
error_msg	String	Error message.

Table 3-1922 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

Example Requests

/v1/{project_id}/{instance_id}/dbss/audit/sensitive/masks

Example Responses

Status code: 200

Success


```
{
  "rules" : [ {
    "id" : "n34W2ngBo47GiyUSKOVl",
    "name" : "Passport NO.",
    "type" : "BUILD_IN",
    "regex" : "-",
    "mask_value" : "###",
    "status" : "ON",
    "operate_time" : "2030-01-01 00:00:06"
  }, {
    "id" : "nn4W2ngBo47GiyUSKOVP",
```


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```
    "name" : "Military officer card NO.",
    "type" : "BUILD_IN",
    "regex" : "-",
    "mask_value" : "###",
    "status" : "ON",
    "operate_time" : "2030-01-01 00:00:05"
   }, {
    "id" : "nX4W2ngBo47GiyUSKOU9",
    "name" : "Ethnicity",
    "type" : "BUILD_IN",
    "regex" : "-",
    "mask_value" : "###",
    "status" : "ON",
    "operate_time" : "2030-01-01 00:00:04"
   }, {
    "id" : "mn4W2ngBo47GiyUSKOUO",
    "name" : "GPS Information",
    "type" : "BUILD_IN",
    "regex" : "-",
    "mask_value" : "###",
    "status" : "ON",
    "operate_time" : "2030-01-01 00:00:01"
   } ],
   "total" : 6
}
```


Status Codes

Status Code	Description
200	Success
400	Incorrect request parameter.
403	Authorization failed.
500	Internal server error.

Error Codes

See **Error Codes**.

3.19.33 Obtaining Instance Alarm Configurations (To Be Brought Offline)

Function

This API is used to obtain instance alarm configurations.

URI

GET /v1/{project_id}/{instance_id}/audit/alarm/topic

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Table 3-1923 Path Parameters

Parameter	Mandatory	Type	Description
project_id	Yes	String	**Definition**: Specifies the project ID. You can obtain the value by calling the IAM API for querying the project list of a specified IAM user. **Constraints** N/A **Range**: The value is subject to the return value of the IAM service interface. The value contains 32 to 64 characters. **Default Value**: N/A
instance_id	Yes	String	**Definition**: Instance ID. The value can be obtained from the ID field of the API for querying the instance list. **Constraints** N/A **Range**: The value is subject to the value of the API for querying the instance list. The value contains 32 to 64 characters. **Default Value**: N/A

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Request Parameters

Table 3-1924 Request header parameters

Parameter	Mandatory	Type	Description
X-Auth-Token	Yes	String	** Parameter description**: User token. You can obtain the token by calling the IAM API used to query the user token. The token is the value of X-Subject-Token in the response header. **Constraints** N/A **Range**: The value is subject to the user token query interface of the IAM service. **Default Value**: N/A

Response Parameters

Status code: 200

Table 3-1925 Response body parameters

Parameter	Type	Description
alarm_cpu	String	Specifies the CPU alarm threshold.
alarm_disk	String	Specifies the disk alarm threshold.
alarm_memory	String	Specifies the memory alarm threshold.
alarm_num	String	Daily alarms
alarm_risk	Array of strings	Alarm severity • high: high • medium: medium • low: low
alarm_switch	String	Notification switch • ON: enabled • OFF: disabled
alarm_topic_urn	String	URN of the notification topic. You can call the SMN API to obtain the URN.

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Parameter	Type	Description
smn_effective	Boolean	Specifies whether SMN subscription is supported. • **true**: support • **false**: not supported

Status code: 400

Table 3-1926 Response body parameters

Parameter	Type	Description
details	Array of **DbssErrorDetail** objects	PDP5 authentication exception information
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes
error_msg	String	Error message.

Table 3-1927 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

Status code: 401

Table 3-1928 Response body parameters

Parameter	Type	Description
details	Array of **DbssErrorDetail** objects	PDP5 authentication exception information
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes
error_msg	String	Error message.

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Table 3-1929 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

Status code: 403

Table 3-1930 Response body parameters

Parameter	Type	Description
details	Array of **DbssErrorDetail** objects	PDP5 authentication exception information
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes
error_msg	String	Error message.

Table 3-1931 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

Status code: 500

Table 3-1932 Response body parameters

Parameter	Type	Description
details	Array of **DbssErrorDetail** objects	PDP5 authentication exception information
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes
error_msg	String	Error message.

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Table 3-1933 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

Example Requests

/v1/{project_id}/{instance_id}/audit/alarm/topic

Example Responses

Status code: 200

OK

```
{
  "alarm_cpu" : 80,
  "alarm_disk" : 80,
  "alarm_memory" : 80,
  "alarm_num" : 10,
  "alarm_risk" : [ "high", "low" ],
  "alarm_switch" : false,
  "alarm_topic_urn" : "urn:smn:cn-north-7:b9351f98c724428xxxxxxxxx:DBSS-Message",
  "smn_effective" : false
}
```

Status Codes

Status Code	Description
200	OK
400	Invalid request parameter.
401	Unauthorized
403	Authorization failed.
500	Server error.

Error Codes

See **Error Codes**.

3.19.34 Setting Instance Alarm Configurations (To Be Brought Offline)

Function

This API is used to set instance alarm configurations.

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URI

POST /v1/{project_id}/{instance_id}/audit/alarm/topic

Table 3-1934 Path Parameters

Parameter	Mandatory	Type	Description
project_id	Yes	String	**Definition**: Project ID. You can obtain the value by calling the IAM API for querying the project list of a specified IAM user. **Constraints** N/A **Range**: The value is subject to the return value of the IAM service interface. The value contains 32 to 64 characters. **Default Value**: N/A
instance_id	Yes	String	**Definition**: Instance ID. The value can be obtained from the ID field of the API for querying the instance list. **Constraints** N/A **Range**: The value is subject to the value of the API for querying the instance list. The value contains 32 to 64 characters. **Default Value**: N/A

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Request Parameters

Table 3-1935 Request header parameters

Parameter	Mandatory	Type	Description
X-Auth-Token	Yes	String	**Definition**: User token. The token can be queried by calling the IAM API. (The token is the value of X-Subject-Token in the response header.) ** Restrictions**: N/A **Range**: Used by the IAM service to query the user token. **Default Value**: N/A

Table 3-1936 Request body parameters

Parameter	Mandatory	Type	Description
alarm_cpu	Yes	Integer	Specifies the CPU alarm threshold.
alarm_disk	Yes	Integer	Specifies the disk alarm threshold.
alarm_memory	Yes	Integer	Specifies the memory alarm threshold.
alarm_num	Yes	Integer	Daily alarms
alarm_risk	No	Array of strings	Alarm severity. The default value is empty. • high: high • medium: medium • low: low
alarm_switch	Yes	String	Notification switch • ON: enabled • OFF: disabled

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Parameter	Mandatory	Type	Description
alarm_topic_urn	No	String	Notification topic URN, which is obtained by calling the SMN API. This field is mandatory when alarm_switch is set to ON.

Response Parameters

Status code: 200

Table 3-1937 Response body parameters

Parameter	Type	Description
status	String	Status. • **success**: successful • **fail**: failed

Status code: 400

Table 3-1938 Response body parameters

Parameter	Type	Description
details	Array of **DbssErrorDetail** objects	PDP5 authentication exception information
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes
error_msg	String	Error message.

Table 3-1939 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

Status code: 401

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Table 3-1940 Response body parameters

Parameter	Type	Description
details	Array of **DbssErrorDetail** objects	PDP5 authentication exception information
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes
error_msg	String	Error message.

Table 3-1941 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

Status code: 403

Table 3-1942 Response body parameters

Parameter	Type	Description
details	Array of **DbssErrorDetail** objects	PDP5 authentication exception information
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes
error_msg	String	Error message.

Table 3-1943 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

Status code: 500

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Table 3-1944 Response body parameters

Parameter	Type	Description
details	Array of DbssErrorDetail objects	PDP5 authentication exception information
encoded_authorization_message	String	PDP5 authentication exception information
error_code	String	Error Codes
error_msg	String	Error message.

Table 3-1945 DbssErrorDetail

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	PDP5 error information

Example Requests

```
/v1/{project_id}/{instance_id}/audit/alarm/topic

{
  "alarm_cpu" : 80,
  "alarm_memory" : 80,
  "alarm_num" : 10,
  "alarm_disk" : 80,
  "alarm_switch" : "ON",
  "alarm_topic_urn" : "urn:smn:cn-north-7:b9351f98c724428xxxxxxxxx:DBSS-Message",
  "alarm_risk" : [ "high", "low" ]
}
```

Example Responses

Status code: 200

OK

```
{
  "status" : "success"
}
```

Status Codes

Status Code	Description
200	OK
400	Invalid request parameter.

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Status Code	Description
401	Unauthorized
403	Authorization failed.
500	Server error.

Error Codes

See **Error Codes**.

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4 Appendix

4.1 Status Codes

- Normal

Returned Value	Description
200	The request is successfully processed.

- Abnormal

Status Code	Error	Description
400	Bad Request	The server fails to process the request.
401	Unauthorized	A username and a password are required.
403	Forbidden	Access to the requested page is denied.
404	Not Found	The server fails to find the requested page.
405	Method Not Allowed	Method specified in the request is not allowed.
406	Not Acceptable	The response generated by the server could not be received by the client.
407	Proxy Authentication Required	Proxy authentication is required before the request is processed.
408	Request Timeout	The request timed out.
409	Conflict	The request is not processed due to a conflict.

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Status Code	Error	Description
500	Internal Server Error	The request is not processed due to a server error.
501	Not Implemented	The request is not processed because the server does not support the requested function.
502	Bad Gateway	Failed to complete the request because the server has received an invalid response.
503	Service Unavailable	Failed to complete the request because the system is unavailable.
504	Gateway Timeout	A gateway timeout error occurs.

4.2 Error Code

If an error code starting with **APIGW** is returned after you call an API, rectify the fault by referring to the instructions provided in **Error Codes**.

Status Code	Error Code	Message	Description	Measure
400	DBSS.10000001	Enter a valid request message	The request is invalid.	Check parameters.
400	DBSS.10020101	Enter a valid request message	Failed to obtain the specification list.	Check parameters.
400	DBSS.10020102	Enter a valid request message	Perform operations on the database failed.	Check parameters.
400	DBSS.10020118	Failed to add database, exceeding the limit	Failed to add the database. The number of databases exceeds the upper limit.	Delete unnecessary databases or buy a new instance.
400	DBSS.10020140	Illegal order ID	The order ID does not meet requirements.	Check the order ID.

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Status Code	Error Code	Message	Description	Measure
400	DBSS.10021016	Insufficient quota	Insufficient quota	Contact the administrator.
400	DBSS.10020021	Invalid request parameter ID.	Invalid request ID parameter.	Check parameters.
401	DBSS.10020100	Failed to authenticate the token in the request	Failed to authenticate the token carried in the request.	Check the token.
404	DBSS.10021004	ECS can not found the request page	The ECS server fails to find the requested page.	Check the ECS path configuration.
500	DBSS.11000000	Internal system exception. Contact technical support engineers	A system error occurs, please contact technical support engineers.	Contact the administrator.

4.3 Obtaining a Project ID

Obtaining a Project ID by Calling an API

You can obtain the project ID by calling the API used to **query project information based on the specified criteria**.

The API used to obtain a project ID is GET https://{Endpoint}/v3/projects. **{Endpoint}** is the IAM endpoint and can be obtained from **Regions and Endpoints**. For details about API authentication, see **Authentication**.

In the following example, **id** indicates the project ID.

```
{
    "projects": [
        {
            "domain_id": "65382450e8f64ac0870cd180d14e684b",
            "is_domain": false,
            "parent_id": "65382450e8f64ac0870cd180d14e684b",
            "name": "xxxxxxxx",
            "description": "",
            "links": {
                "next": null,
                "previous": null,
                "self": "https://www.example.com/v3/projects/a4a5d4098fb4474fa22cd05f897d6b99"
            },
```


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```
            "id": "a4a5d4098fb4474fa22cd05f897d6b99",
            "enabled": true
        }
    ],
    "links": {
        "next": null,
        "previous": null,
        "self": "https://www.example.com/v3/projects"
    }
}
```

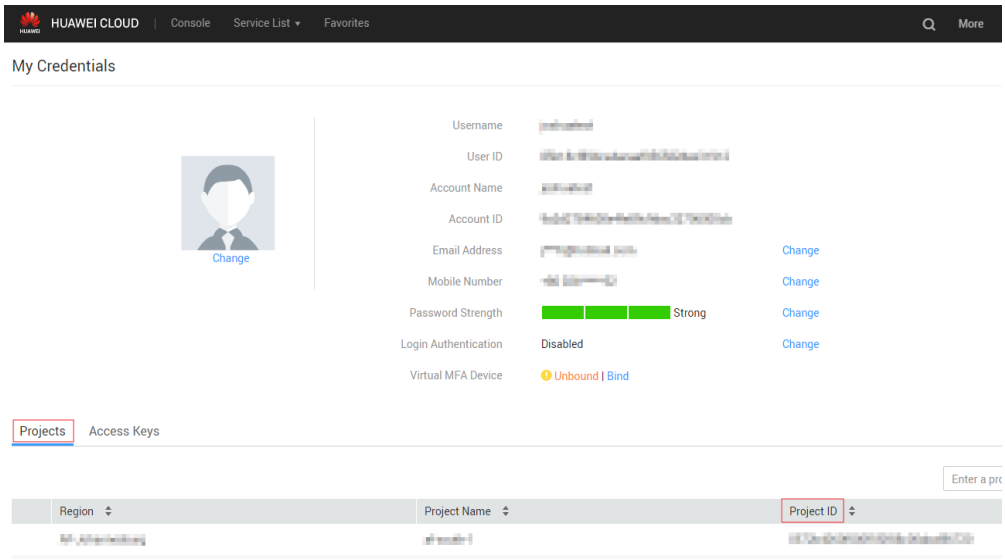

Obtaining a Project ID from the Console

A project ID is required for some URLs when an API is called. To obtain a project ID, perform the following operations:

1. **Log in to the management console**.
2. Click the username and choose **Basic Information** from the drop-down list.
3. On the **Account Info** page, click **Manage** next to **Security Credentials**.

   On the **My Credentials** page, view project IDs in the project list.

Figure 4-1 Viewing project IDs



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