

KooDrive

API Reference

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Contents

1 Before You Start..... 1

2 API Overview..... 3

3 Calling APIs..... 5

3.1 Making an API Request..... 5

3.2 Authentication..... 7

3.3 Response..... 8

4 API..... 10

4.1 Department Management..... 10

4.1.1 Listing Departments..... 10

4.1.2 Querying a Department..... 13

4.1.3 Creating a Department..... 15

4.1.4 Modifying a Department..... 18

4.1.5 Deleting a Department..... 20

4.2 User Management..... 22

4.2.1 Querying User Information..... 22

4.2.2 Listing Users..... 24

4.2.3 Counting Members in an Organization or Department..... 27

4.2.4 Creating a User..... 29

4.2.5 Modifying a User..... 32

4.2.6 Deleting a User..... 34

4.2.7 Querying the Mobile Number of a User..... 36

4.2.8 Pre-verification API..... 38

4.2.9 Change the maximum number of OrgID users..... 41

4.3 Space Management..... 43

4.3.1 Listing Departments Spaces..... 43

4.3.2 Querying Space Information..... 46

4.3.3 Creating a Space for a Department or Individual..... 50

4.3.4 Modifying Space Information..... 54

4.3.5 Deleting a Space..... 57

4.3.6 Querying Space Details by Space ID..... 59

4.3.7 Querying Information About a Team Space..... 62

4.3.8 Creating a Group Space..... 65

4.3.9 Dismissing a Group Space.....	69
4.3.10 Listing Group Spaces in an Enterprise.....	71
4.3.11 Listing User Spaces.....	74
4.3.12 Obtains space information.....	78
4.3.13 Obtaining the Space Allocation Status.....	81
4.3.14 Allocating Space.....	83
4.3.15 Querying Space Usage Overview.....	85
4.3.16 Querying Space Usage by Quota.....	87
4.3.17 Querying Space Usage by User.....	90
4.4 Group Management.....	92
4.4.1 Creating a User Group.....	92
4.4.2 Listing User Groups.....	95
4.4.3 Modifying Group Information.....	97
4.4.4 Deleting a Group.....	100
4.4.5 Listing Members in a User Group.....	102
4.4.6 Adding Members to a User Group.....	105
4.4.7 Deleting Members from a User Group.....	109
4.5 Session Management.....	112
4.5.1 Checking Whether a User Session Is Invalid Based on Token Information.....	112
4.5.2 Obtaining the URL of an OrgID Authorization Code for KooDrive.....	114
4.5.3 Initializing and Creating a Session.....	116
4.5.4 Refreshing a Session.....	118
4.5.5 Signing In and Signing Out.....	120
4.6 Service Subscription.....	122
4.6.1 Obtaining the Subscription Status.....	122
4.6.2 Querying Service Usage.....	124
4.7 Enterprise Settings.....	127
4.7.1 Setting the Expiration Time of a Compressed Package.....	127
4.8 Other APIs.....	129
4.8.1 Obtain the JavaScript SDK.....	129
4.9 Permissions Templates.....	131
4.9.1 Creating a Permissions Template.....	131
4.9.2 Editing a Permissions Template.....	137
4.9.3 Modifying the Status of Permissions Templates.....	141
4.9.4 Deleting Permissions Templates in Batches.....	142
4.9.5 Querying Permissions Template Details Based on the Permissions Template ID Array.....	144
4.9.6 Listing Permissions Templates by Condition.....	148
4.9.7 Adding or Modifying the Association Relationship of the Initial Member Permissions.....	152
4.9.8 Querying Whether a Permissions Template Is Used.....	155
4.10 Audit Log Management.....	157
4.10.1 Querying Audit Logs.....	157
4.11 Cloud Decompression.....	161

4.11.1 Listing Directories in a Compressed Package.....	161
4.12 Batch Task Operations.....	164
4.12.1 Listing Batch Tasks.....	164
4.12.2 Creating a Batch Task.....	169
4.12.3 Querying Details About a Batch Task.....	174
4.12.4 Cancelling a Batch Task.....	179
4.13 Basic Task Operations.....	182
4.13.1 Creating a Task.....	182
4.13.2 Listing Tasks.....	185
4.13.3 Obtaining Task Details.....	188
4.13.4 Obtains the information about the handover recipient.....	191
4.13.5 Queries the task result.....	193
4.14 File List Query.....	195
4.14.1 Listing Files in the Individual Space.....	195
4.14.2 Listing Files in a Group or Department Space.....	205
4.15 File Management.....	215
4.15.1 Obtaining File Details.....	215
4.15.2 Adding a File Directory.....	222
4.15.3 Creating File Metadata.....	226
4.15.4 Obtains the upload link.....	232
4.15.5 Checking Whether File Upload Is Completed.....	238
4.15.6 Obtaining Download Links.....	240
4.15.7 Renaming a File.....	243
4.15.8 Clearing the Recycle Bin.....	246
4.15.9 Retrieving Files Using Search Engine Capabilities.....	248
4.15.10 Collecting Folder Statistics.....	264
4.15.11 Obtaining the Full Name and ID Paths of a File.....	266
4.16 File Favorites.....	268
4.16.1 Adding Files to Favorites.....	268
4.16.2 Listing Files in Favorites.....	271
4.17 Sharing Management - Shared by You.....	282
4.17.1 Sharing a File.....	282
4.17.2 Listing My Shares.....	285
4.17.3 Obtaining Sharing Details.....	290
4.17.4 Modifying Sharing Settings.....	293
4.17.5 Stopping Sharing Files.....	297
4.18 Sharing Management - Shared with You.....	299
4.18.1 Listing Files Shared with You.....	299
4.18.2 Obtain Sharing Details.....	303
4.18.3 Removing Yourself from Shared Files.....	306
4.19 Sharing Management - Access Links.....	308
4.19.1 Accessing a Sharing Link.....	308

4.19.2 Obtaining Sharing Information.....	310
4.19.3 Verifying a Sharing Access Code.....	312
4.19.4 Listing Files Shared with You.....	314
4.19.5 Downloading a File.....	319
4.19.6 Creating an Asynchronous Sharing Task.....	321
4.19.7 Querying an Asynchronous Task.....	323
4.20 Collaboration Portal.....	326
4.20.1 Listing Related Files.....	326
4.20.2 Listing Recently Visited Files.....	331
4.21 Message Notifications.....	335
4.21.1 Obtaining the Number of Unread Messages.....	335
4.21.2 Listing Messages.....	337
4.21.3 Marking Messages as Read in Batches.....	339
4.21.4 Batch Message Deletion.....	341
4.21.5 Modify message status (marks all unread messages as read or deletes all messages).....	343
4.22 Refined Authorization.....	345
4.22.1 Obtaining the User Permissions List.....	345
4.22.2 Updating Permissions in Batches.....	350
4.22.3 Querying Initial Permissions of a Member.....	354
5 Appendixes.....	358
5.1 Status Codes.....	358
5.2 Error Codes.....	358

1 Before You Start

Overview

KooDrive is an online service provided by Huawei Cloud for government and enterprise customers. It provides functions such as data storage, access, synchronization, management, and collaboration. It is a one-stop digital content center for enterprises and enables efficient knowledge collaboration.

This document describes how to use application programming interfaces (APIs) to perform operations on KooDrive, such as adding file directories, obtaining file details, and renaming files. For details about all supported operations, see [API Overview](#).

If you plan to access KooDrive through an API, ensure that you are familiar with KooDrive concepts. For details, see [Service Overview](#).

API Calling

KooDrive 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. Currently, KooDrive is deployed only in the **AP-Singapore** region, and the endpoint is **intl.myhuaweicloud-koodrive.com**.

Constraints

None

Concepts

- Account

An account is created upon successful registration with the cloud system. 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 directly used to perform routine management. For security purposes, create Identity and Access

Management (IAM) users and grant them permissions for routine management.

- User

A KooDrive user is created by the tenant administrator (also called system administrator) in the [KooDrive service plane](#). After a KooDrive user signs in to the service system, an Access-Token (AT) is generated. The AT is used for verification and authentication of subsequent API calling.

- 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 into universal regions and dedicated regions. A universal region provides universal cloud services for common tenants. A dedicated region provides specific services for specific tenants.

For details, see [Region and AZ](#).

- AZ

An AZ contains one or more physical data centers. Each AZ has independent cooling, fire extinguishing, moisture-proof, and electricity facilities. Within an AZ, computing, network, storage, and other resources are logically divided into multiple clusters. AZs within a region are interconnected using high-speed optical fibers to support cross-AZ high-availability systems.

2 API Overview

Table 2-1 describes the KooDrive APIs.

Table 2-1 API overview

Type	Description
Department Management	Manage departments, including creating, modifying, deleting, and querying a department.
User Management	Manage users, including creating, modifying, deleting, and querying a user.
Space management	Manage spaces, including creating, modifying, deleting, and querying a space.
Group Management	Manage groups, including creating and deleting a user group.
Session Management	Manage sessions, including session creation and update, sign-in, and sign-out.
Service Subscription	Obtain the subscription status of the management and control service.
Enterprise Settings	Set the time for deleting expired compressed packages generated during package download.
Other APIs	Obtain the JS-SDK.
Refined Authorization	Obtain the user permissions list and update permissions in batches.
Permissions Templates	Create and edit permissions templates.
Audit Log Management	Provide APIs for querying audit logs.
Cloud Decompression	List compressed package directories.

Type	Description
Batch Task Operations	Manage batch tasks, including creating a batch task, canceling a batch task, and listing batch tasks.
Basic Task Operations	Create tasks and obtain the task list.
File List Query	List files in the individual space and department space.
File Management	Manage files, including obtaining details about a file, adding a file directory, uploading a file, and renaming a file.
File Favorites	Manage files in favorites, including adding files to favorites and listing files in favorites.
Sharing Management - Shared by You	Manage files shared by you, including sharing a file, obtaining sharing details, and modifying sharing.
Sharing Management - Shared with You	Manage files shared with you, including obtaining sharing details and removing yourself from shared files.
Sharing Management - Access Links	Manage access links, including obtaining sharing details and verifying a sharing code.
Collaboration Portal	Query files related to you and files that you recently visited.
Message Notifications	Query and obtain unread messages, message lists, and delete messages in batches.

3 Calling APIs

3.1 Making an API Request

This section describes the structure of a REST API request, and uses the KooDrive API for processing files as an example to demonstrate how to call an API.

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.

Table 3-1 URI parameters

Parameter	Description
URI-scheme	Protocol used to transmit requests. All KooDrive APIs use HTTPS.
Endpoint	Domain name or IP address of the server bearing the REST service. The endpoint varies between services in different regions. Currently, KooDrive is deployed only in the AP-Singapore region, and the endpoint is intl.myhuaweicloud-koodrive.com .
resource-path	Access path of an API. Obtain the path from the URI of an API. For example, the resource-path of the API used to create a batch task is /koodrive/ose/v1/jobs .
query-string	This optional parameter is used to query the data of a parameter. Ensure that a question mark (?) is included before each query parameter that is in the format of <i>Parameter name=Parameter value</i> . For example, ?limit=10 indicates that a maximum of 10 data records will be displayed.

For example, to create a batch task in the **AP-Singapore** region, obtain the endpoint of KooDrive (**intl.myhuaweicloud-koodrive.com**) for this region and the **resource-path** (**/koodrive/ose/v1/jobs**) in the URI of the API used to create a batch task. Then, construct the URI as follows:

```
https://intl.myhuaweicloud-koodrive.com/koodrive/ose/v1/jobs
```

Request Methods

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

Table 3-2 HTTP methods

Method	Description
GET	Request the server to return specified resources.
POST	Request the server to add resources or perform special operations.
DELETE	Request the server to delete specified resources, for example, an object.
PUT	Request the server to update specified resources.

For example, in the case of the API used to create a batch task, the request method is POST. The request is as follows:

```
POST https://intl.myhuaweicloud-koodrive.com/koodrive/ose/v1/jobs
```

Request Header

- **Content-Type:** (optional) request body type or format. The default value is **application/json**. Other values of this field will be provided for specific APIs if any.
- **Authorization:** authentication.

Request header example:

```
POST https://intl.myhuaweicloud-koodrive.com/koodrive/ose/v1/jobs
Content-Type: application/json
Authorization: xxx
```

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.

For the API used to process files, an example of the request body is as follows:

```
{
  "taskType":1
  "actionType":101
  "dstContainerId": "IAADfsBFCO6WtAtuA315074383680425b8aa9a130cba2d4"
  "taskInfo": {
    "srcContainerId": "IAADfsBFCO6WtAtuA315074383680425b8aa9a130cba2d4"
    "newFilePath": "Fm9UdqBNTAQDos6l1xPlFnlqXJg2-UdqA"
    "fileInfo": [
      {
        "fileId": "FuZmQ66CF0DdpKRG1Y29lwajbq04Nhwu3"
      }
    ]
  }
}
```

If all data required for the API request is available, you can send the request to call the API through [curl](#), [Postman](#), or coding.

3.2 Authentication

Currently, KooDrive uses token-based authentication. App-based authentication is also provided to directly call KooDrive APIs.

Requests are authenticated using a token.

Constraints

A token is valid for 20 minutes. If an API is called within the validity period of the token, the validity period is reset. If no operation is performed within the validity period, the token becomes invalid.

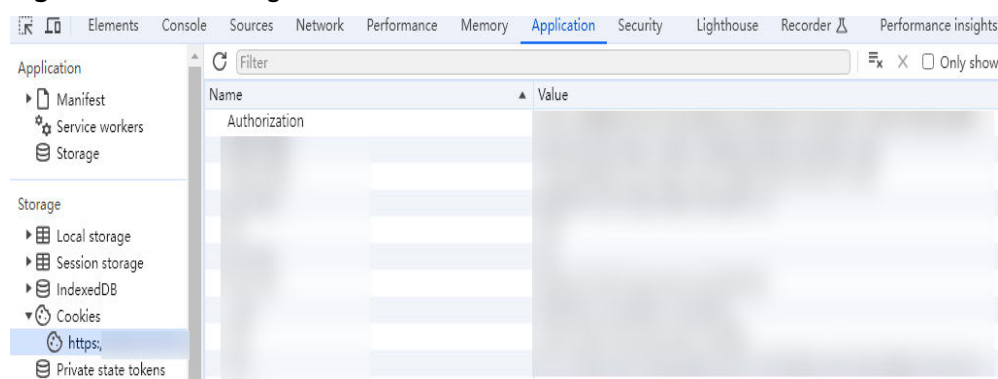
Ensure that the token is valid when you use it. Using a token that will soon expire may cause API calling failures.

The authorization validity period is 15 minutes. Currently, [Session Management](#) and [Other APIs](#) do not support app-based authentication.

Token-based Authentication

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.

A token is obtained from the cookies after you log in to the service frontend. As shown in [Figure 3-1](#), the value of **Authorization** is the AT to be obtained.

Figure 3-1 Obtaining a token

After a token is obtained, the **Authorization** header field must be added to requests to specify the token when calling other APIs. For example, if the token is **ABCDEFGH....**, **Authorization: ABCDEFGH....** can be added to a request as follows:

```
POST https://intl.myhuaweicloud-koodrive.com/koodrive/ose/v1/files/batch
Content-Type: application/json
Authorization: xxx
```

App-based Authentication

You can use the app-based authentication generation rule provided by KooDrive to obtain the authentication and add the authentication to the request header.

Example:

```
Authorization: HMAC-SHA256
AppId=a378331eca141163119eb602adb67b7802cc79cd33ba44c7d2fe61d1586c96a1,SignedHeaders=host;x-date;x-user-id,Signature=bd355f202be40f95bf9510fd7bd48ad711a7d144c01df07d515ee0fbf3a47416
X-User-Id: 1505084218764547200
Host: 10.32.45.165
X-Date: 20240909T033325Z
```

3.3 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 **0** is returned for calling the API used to process files, the request is successful.

Response Header

Similar to a request, a response also has a header, for example, **Content-Type**.

[Figure 3-2](#) shows the response header of the API used to process files.

Figure 3-2 Response header

Body		Cookies	Headers (2)	Test Results
Key		Value		
Content-Type ⓘ		application/json; charset=utf-8		
content-length ⓘ		127		

Response Body

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

The following is part of the response body for the API used to process files.

```
{
  "data": "1309243162258308352"
  "code": 0,
  "msg": "success"
}
```

If an error occurs during API calling, an error code and a message will be displayed. The following shows an error response body.

```
{
  "code": 13000201,
  "msg": "inner server invoke failure"
}
```

In the response body, **code** is an error code, and **msg** provides information about the error.

4 API

4.1 Department Management

4.1.1 Listing Departments

Function

List sub-departments under an organization or department. Only the top-level sub-departments are returned. To query sub-department of the lowest level, use the caller to perform recursive query.

URI

GET /koodrive/ose/v1/departmentList

Table 4-1 Query Parameters

Parameter	Mandatory	Type	Description
departmentId	No	String	Department ID. If no value is passed, the root department ID is used.
keyWord	No	String	Search keyword. You can use name as the search criterion.

Request Parameters

Table 4-2 Request header parameters

Parameter	Mandatory	Type	Description
Authorization	Yes	String	Access token. Token authentication is used to call KooDrive APIs. A token indicates the permission. When an API is called, the token is added to the request header to obtain the operation permission. For details about how to obtain an access token, see the corresponding developer guide. The format is Bearer +{ <i>access_token</i> }.
X-Traceid	No	String	Message log trace ID. The value contains 58 bits.
language	No	String	Language code, which complies with the internationalization specifications. For example, en-US indicates English (United States). English (United States) is used by default.
X-User-Id	Yes	String	User ID, which is used for app authentication.
X-Date	Yes	String	Date, which is used for app authentication.
Host	Yes	String	Address, which is used for app authentication.

Response Parameters

Status code: 200

Table 4-3 Response body parameters

Parameter	Type	Description
code	Integer	Response code.
msg	String	Response information.

Parameter	Type	Description
list	Array of departmentInfo objects	Department list.

Table 4-4 departmentInfo

Parameter	Type	Description
code	Integer	Response code.
msg	String	Response information.
id	String	Department ID.
orgId	String	ID of the organization created in OrgID.
deptId	String	ID of the department created in OrgID.
parentId	String	ID of the parent department in KooDrive.
name	String	Department name.
tenantId	String	Tenant ID.

Example Requests

Lists sub-departments under department **1245640257345455489**.

```
GET /koodrive/ose/v1/departmentList?departmentId=1245640257345455489
```

```
Authorization:Bearer+10f88*****4791e9ff
```

Example Responses

Status code: 200

Returns the list of sub-departments under an organization or department.

```
{
  "list": [ {
    "id": "1248723349513736065",
    "orgId": "9190086000001210958",
    "deptId": "b06f091567064db9a1f6a7dc8d08e8a7",
    "parentId": "1245640257345455489",
    "name": "sub11rt",
    "tenantId": "40086000004871666"
  }, {
    "id": "1252924812435692416",
    "orgId": "9190086000001210958",
    "deptId": "f63c3008420c4c55b3963b6191096e2e",
    "parentId": "1245640257345455489",
    "name": "1234666",
    "tenantId": "40086000004871666"
  }
]
```

```
  } ],  
  "code" : 0,  
  "msg" : "success"  
}
```

Status Codes

Status Code	Description
200	Returns the list of sub-departments under an organization or department.

4.1.2 Querying a Department

Function

Query the information about a department.

URI

GET /koodrive/ose/v1/departments/{department_id}

Table 4-5 Path Parameters

Parameter	Mandatory	Type	Description
department_id	Yes	String	Department ID.

Request Parameters

Table 4-6 Request header parameters

Parameter	Mandatory	Type	Description
Authorization	Yes	String	Access token. Token authentication is used to call KooDrive APIs. A token indicates the permission. When an API is called, the token is added to the request header to obtain the operation permission. For details about how to obtain an access token, see the corresponding developer guide. The format is Bearer+{access_token} .

Parameter	Mandatory	Type	Description
X-Traceid	No	String	Message log trace ID. The value contains 58 bits.
language	No	String	Language code, which complies with the internationalization specifications. For example, en-US indicates English (United States). English (United States) is used by default.
X-User-Id	Yes	String	User ID, which is used for app authentication.
X-Date	Yes	String	Date, which is used for app authentication.
Host	Yes	String	Address, which is used for app authentication.

Response Parameters

Status code: 200

Table 4-7 Response body parameters

Parameter	Type	Description
code	Integer	Response code.
msg	String	Response information.
id	String	Department ID.
orgId	String	ID of the organization created in OrgID.
deptId	String	ID of the department created in OrgID.
parentId	String	ID of the parent department in KooDrive.
name	String	Department name.
tenantId	String	Tenant ID.

Example Requests

Queries information about department **1319678187126486144**.

```
GET /koodrive/ose/v1/departments/1319678187126486144
Authorization:Bearer+10f88*****4791e9ff
```

Example Responses

Status code: 200

Department information.

```
{
  "id" : "1319678187126486144",
  "orgId" : "9190086000001210958",
  "deptId" : "a4fd0d798f5344ccac2c695646ef66d3",
  "parentId" : "1245640257345455489",
  "name" : "test16",
  "tenantId" : "40086000004871666",
  "code" : 0,
  "msg" : "success"
}
```

Status Codes

Status Code	Description
200	Department information.

4.1.3 Creating a Department

Function

Create a department and allocate a space to the department.

URI

POST /koodrive/ose/v1/departments

Request Parameters

Table 4-8 Request header parameters

Parameter	Mandatory	Type	Description
Authorization	Yes	String	Access token. Token authentication is used to call KooDrive APIs. A token indicates the permission. When an API is called, the token is added to the request header to obtain the operation permission. For details about how to obtain an access token, see the corresponding developer guide. The format is Bearer+{access_token} .
X-Traceid	No	String	Message log trace ID. The value contains 58 bits.
language	No	String	Language code, which complies with the internationalization specifications. For example, en-US indicates English (United States). English (United States) is used by default.
X-User-Id	Yes	String	User ID, which is used for app authentication.
X-Date	Yes	String	Date, which is used for app authentication.
Host	Yes	String	Address, which is used for app authentication.

Table 4-9 Request body parameters

Parameter	Mandatory	Type	Description
name	Yes	String	Department name.
parentId	Yes	String	Parent department ID.

Response Parameters

Status code: 200

Table 4-10 Response body parameters

Parameter	Type	Description
data	DeptData object	Message body.
code	Integer	Information code.
msg	String	Information.

Table 4-11 DeptData

Parameter	Type	Description
id	String	Department ID.

Example Requests

Creates a department named **test16** under department whose ID is **1245640257345455489**.

```
POST /koodrive/ose/v1/departments
Authorization:Bearer+10f88*****4791e9ff
{
  "name": "test16",
  "parentId": "1245640257345455489"
}
```

Example Responses

Status code: 200

Department creation result.

```
{
  "data": {
    id:"String
  }
  "code": 0,
  "msg": "success"
}
```

Status Codes

Status Code	Description
200	Department creation result.

4.1.4 Modifying a Department

Function

Modify the information about a department (including the team space).

URI

PUT /koodrive/ose/v1/departments/{department_id}

Table 4-12 Path Parameters

Parameter	Mandatory	Type	Description
department_id	Yes	String	Department ID.

Request Parameters

Table 4-13 Request header parameters

Parameter	Mandatory	Type	Description
Authorization	Yes	String	Access token. Token authentication is used to call KooDrive APIs. A token indicates the permission. When an API is called, the token is added to the request header to obtain the operation permission. For details about how to obtain an access token, see the corresponding developer guide. The format is Bearer +{access_token}.
X-Traceid	No	String	Message log trace ID. The value contains 58 bits.
language	No	String	Language code, which complies with the internationalization specifications. For example, en-US indicates English (United States). English (United States) is used by default.
X-User-Id	Yes	String	User ID, which is used for app authentication.

Parameter	Mandatory	Type	Description
X-Date	Yes	String	Date, which is used for app authentication.
Host	Yes	String	Address, which is used for app authentication.

Table 4-14 Request body parameters

Parameter	Mandatory	Type	Description
name	Yes	String	Department name.
parentId	Yes	String	Parent department ID.

Response Parameters

Status code: 200

Table 4-15 Response body parameters

Parameter	Type	Description
code	Integer	Error code.
msg	String	Error message.

Example Requests

Modifies the information about the department **1319678187126486144**.

```
PUT /koodrive/ose/v1/departments/1319678187126486144
```

```
Authorization:Bearer+10f88*****4791e9ff
```

```
{
  "name" : "test16",
  "parentId" : "1243696974704704000"
}
```

Example Responses

Status code: 200

Basic response. Only the error code and error information are returned.

```
{
  "code" : 0,
  "msg" : "success"
}
```

Status Codes

Status Code	Description
200	Basic response. Only the error code and error information are returned.

4.1.5 Deleting a Department

Function

Delete a department and its team space.

URI

DELETE /koodrive/ose/v1/departments/{department_id}

Table 4-16 Path Parameters

Parameter	Mandatory	Type	Description
department_id	Yes	String	Department ID.

Request Parameters

Table 4-17 Request header parameters

Parameter	Mandatory	Type	Description
Authorization	Yes	String	Access token. Token authentication is used to call KooDrive APIs. A token indicates the permission. When an API is called, the token is added to the request header to obtain the operation permission. For details about how to obtain an access token, see the corresponding developer guide. The format is Bearer +{access_token}.
X-Traceid	No	String	Message log trace ID. The value contains 58 bits.

Parameter	Mandatory	Type	Description
language	No	String	Language code, which complies with the internationalization specifications. For example, en-US indicates English (United States). English (United States) is used by default.
X-User-Id	Yes	String	User ID, which is used for app authentication.
X-Date	Yes	String	Date, which is used for app authentication.
Host	Yes	String	Address, which is used for app authentication.

Response Parameters

Status code: 200

Table 4-18 Response body parameters

Parameter	Type	Description
code	Integer	Error code.
msg	String	Error message.

Example Requests

Deletes department **1319678187126486144**.

```
DELETE /koodrive/ose/v1/departments/1319678187126486144
Authorization:Bearer+10f88*****4791e9ff
```

Example Responses

Status code: 200

Basic response. Only the error code and error information are returned.

```
{
  "code" : 0,
  "msg" : "success"
}
```

Status Codes

Status Code	Description
200	Basic response. Only the error code and error information are returned.

4.2 User Management

4.2.1 Querying User Information

Function

Query information about a user.

URI

GET /koodrive/ose/v1/users/{userId}

Table 4-19 Path Parameters

Parameter	Mandatory	Type	Description
userId	Yes	String	User ID.

Request Parameters

Table 4-20 Request header parameters

Parameter	Mandatory	Type	Description
Authorization	Yes	String	Access token. Token authentication is used to call KooDrive APIs. A token indicates the permission. When an API is called, the token is added to the request header to obtain the operation permission. For details about how to obtain an access token, see the corresponding developer guide. The format is Bearer+{access_token} .
X-Traceid	No	String	Message log trace ID. The value contains 58 bits.

Parameter	Mandatory	Type	Description
language	No	String	Language code, which complies with the internationalization specifications. For example, en-US indicates English (United States). English (United States) is used by default.
X-User-Id	Yes	String	User ID, which is used for app authentication.
X-Date	Yes	String	Date, which is used for app authentication.
Host	Yes	String	Address, which is used for app authentication.

Response Parameters

Status code: 200

Table 4-21 Response body parameters

Parameter	Type	Description
code	Integer	Response code.
msg	String	Response message.
data	userInfo object	User information.

Table 4-22 userInfo

Parameter	Type	Description
name	String	Name.
userId	String	User ID.
deptId	String	Department ID.
deptName	String	Department name.
mobile	String	Mobile number.
role	Integer	Role.
status	Integer	Status.
id	String	Third-party user ID.

Example Requests

Query the information about user **1316083732377070977**.

```
GET /koodrive/ose/v1/users/1316083732377070977
```

```
Authorization:Bearer+10f88*****4791e9ff
```

Example Responses

Status code: 200

OK

```
{
  "data": {
    "id": "1316083732377070977",
    "orgId": "9190086000001210958",
    "userId": "1008600000293202821",
    "deptId": "1243693141656107521",
    "deptName": "newDept",
    "mobile": "0086181****8439",
    "name": "Sam",
    "role": 1,
    "status": 0,
  },
  "code": 0,
  "msg": "success"
}
```

Status Codes

Status Code	Description
200	OK

4.2.2 Listing Users

Function

List users in a department. If **department_id** is not specified, the user list of the organization to which the current sign-in user belongs is queried.

URI

```
GET /koodrive/ose/v1/userList
```

Table 4-23 Query Parameters

Parameter	Mandatory	Type	Description
deptId	No	String	Department ID.

Parameter	Mandatory	Type	Description
isDirect	No	Boolean	Whether the user belongs to the root department. Default value: false.
offset	Yes	String	Offset. Minimum value: 0.
limit	Yes	String	Maximum number of records to be returned. Value range: 1 to 100.
keyWord	No	String	Search keyword. You can use name as the search criterion.

Request Parameters

Table 4-24 Request header parameters

Parameter	Mandatory	Type	Description
Authorization	Yes	String	Access token. Token authentication is used to call KooDrive APIs. A token indicates the permission. When an API is called, the token is added to the request header to obtain the operation permission. For details about how to obtain an access token, see the corresponding developer guide. The format is Bearer +{ <i>access_token</i> }.
X-Traceid	No	String	Message log trace ID. The value contains 58 bits.
language	No	String	Language code, which complies with the internationalization specifications. For example, en-US indicates English (United States). English (United States) is used by default.
X-User-Id	Yes	String	User ID, which is used for app authentication.
X-Date	Yes	String	Date, which is used for app authentication.

Parameter	Mandatory	Type	Description
Host	Yes	String	Address, which is used for app authentication.

Response Parameters

Status code: 200

Table 4-25 Response body parameters

Parameter	Type	Description
code	Integer	Response code.
msg	String	Response message.
list	Array of userInfo objects	User information.
total	Integer	Total number.

Table 4-26 userInfo

Parameter	Type	Description
name	String	Name.
userId	String	User ID.
deptId	String	Department ID.
deptName	String	Department name.
mobile	String	Mobile number.
role	Integer	Role.
status	Integer	Status.
id	String	Third-party user ID.

Example Requests

Lists 10 users in department **1243693141656107521**, starting from the first user.

```
GET /koodrive/ose/v1/userList?deptId=1243693141656107521&offset=0&limit=10
```

```
Authorization:Bearer+10f88*****4791e9ff
```

Example Responses

Status code: 200

User list information.

```
{
  "list": [
    {
      "id": "1316083732377071000VW5TYWZISW50ZWdlcg==",
      "userId": "1008600000293202821",
      "deptId": "1243693141656107500VW5TYWZISW50ZWdlcg==",
      "deptName": "newDept",
      "mobile": "0086181****8439",
      "name": "Sam",
      "role": 1,
      "status": 0,
    },
    {
      "id": "1315783852559526700VW5TYWZISW50ZWdlcg==",
      "userId": "1008600000292227464",
      "deptId": "1243693141656107500VW5TYWZISW50ZWdlcg==",
      "deptName": "newDept",
      "mobile": "0086151****8338",
      "name": "test123",
      "role": 1,
      "status": 2
    }
  ],
  "total": 2,
  "code": 0,
  "msg": "success"
}
```

Status Codes

Status Code	Description
200	User list information.

4.2.3 Counting Members in an Organization or Department

Function

Count members in a department or organization. If **dept_id** is not specified, the number of all members in the current organization is queried.

URI

GET /koodrive/ose/v1/users/count

Table 4-27 Query Parameters

Parameter	Mandatory	Type	Description
deptId	No	String	Department ID.

Request Parameters

Table 4-28 Request header parameters

Parameter	Mandatory	Type	Description
Authorization	Yes	String	Access token. Token authentication is used to call KooDrive APIs. A token indicates the permission. When an API is called, the token is added to the request header to obtain the operation permission. For details about how to obtain an access token, see the corresponding developer guide. The format is Bearer+{access_token} .
X-Traceid	No	String	Message log trace ID. The value contains 58 bits.
language	No	String	Language code, which complies with the internationalization specifications. For example, en-US indicates English (United States). English (United States) is used by default.
X-User-Id	Yes	String	User ID, which is used for app authentication.
X-Date	Yes	String	Date, which is used for app authentication.
Host	Yes	String	Address, which is used for app authentication.

Response Parameters

Status code: 200

Table 4-29 Response body parameters

Parameter	Type	Description
code	Integer	Response code.
msg	String	Response information.
total	Integer	Total number of records.

Example Requests

Counts members in the current organization.

```
GET /koodrive/ose/v1/users/count?deptId=
```

```
Authorization:Bearer+10f88*****4791e9ff
```

Example Responses

Status code: 200

Total number of members.

```
{
  "total" : 218,
  "code" : 0,
  "msg" : "success"
}
```

Status Codes

Status Code	Description
200	Total number of members.

4.2.4 Creating a User

Function

Create a user.

URI

```
POST /koodrive/ose/v1/users
```

Request Parameters

Table 4-30 Request header parameters

Parameter	Mandatory	Type	Description
Authorization	Yes	String	Access token. Token authentication is used to call KooDrive APIs. A token indicates the permission. When an API is called, the token is added to the request header to obtain the operation permission. For details about how to obtain an access token, see the corresponding developer guide. The format is Bearer + <i>{access_token}</i> .
X-User-Id	Yes	String	User ID, which is used for app authentication.
X-Date	Yes	String	Date, which is used for app authentication.
Host	Yes	String	Address, which is used for app authentication.
X-Traceid	No	String	Message log trace ID. The value contains 58 bits.
language	No	String	Language code, which complies with the internationalization specifications. For example, en-US indicates English (United States). English (United States) is used by default.

Table 4-31 Request body parameters

Parameter	Mandatory	Type	Description
userId	Yes	String	User ID.
modifyUserInfoReq	Yes	modifyUserInfoReq object	Request for modifying user information.

Table 4-32 modifyUserInfoReq

Parameter	Mandatory	Type	Description
deptId	No	String	Department ID.
role	No	String	Role.

Response Parameters

Status code: 200

Table 4-33 Response body parameters

Parameter	Type	Description
data	DeptData object	Message body.
code	Integer	Information code.
msg	String	Information.

Table 4-34 DeptData

Parameter	Type	Description
id	String	Department ID.

Example Requests

Creates a user whose **userId** in OrgID is **1008600000029937613**.

```
POST /koodrive/ose/v1/users
Authorization:Bearer+10f88*****4791e9ff
{
  "userId": "1008600000029937613"
}
```

Example Responses

Status code: 200

Basic response. Only the error code and error information are returned.

```
{
  "code" : 0,
  "msg" : "success"
}
```

Status Codes

Status Code	Description
200	Basic response. Only the error code and error information are returned.

4.2.5 Modifying a User

Function

Modify information about a user.

URI

PUT /koodrive/ose/v1/users/{userId}

Table 4-35 Path Parameters

Parameter	Mandatory	Type	Description
userId	Yes	String	User ID.

Request Parameters

Table 4-36 Request header parameters

Parameter	Mandatory	Type	Description
Authorization	Yes	String	Access token. Token authentication is used to call KooDrive APIs. A token indicates the permission. When an API is called, the token is added to the request header to obtain the operation permission. For details about how to obtain an access token, see the corresponding developer guide. The format is Bearer +{ <i>access_token</i> }.
X-User-Id	Yes	String	User ID, which is used for app authentication.
X-Date	Yes	String	Date, which is used for app authentication.

Parameter	Mandatory	Type	Description
Host	Yes	String	Address, which is used for app authentication.
X-Traceid	No	String	Message log trace ID. The value contains 58 bits.
language	No	String	Language code, which complies with the internationalization specifications. For example, en-US indicates English (United States). English (United States) is used by default.

Table 4-37 Request body parameters

Parameter	Mandatory	Type	Description
deptId	No	Long	KooDrive department ID.
role	No	Integer	Role. • 0: department administrator. • 1: common user. • 2: system administrator. • 5: member with the management permissions.
status	No	Integer	User account status. • 0: enabled (can be used for sign-in). • 1: disabled (cannot be used for sign-in).

Response Parameters

Status code: 200

Table 4-38 Response body parameters

Parameter	Type	Description
code	Integer	Error code.
msg	String	Error message.

Example Requests

Modify the information about user **1289290865663084545**.

```
PUT /koodrive/ose/v1/users/1289290865663084545
```

```
Authorization:Bearer+10f88*****4791e9ff
```

Example Responses

Status code: 200

OK

```
{
  "code" : 0,
  "msg" : "success"
}
```

Status Codes

Status Code	Description
200	OK

4.2.6 Deleting a User

Function

Delete a user and the corresponding resources.

URI

```
DELETE /koodrive/ose/v1/users/{userId}
```

Table 4-39 Path Parameters

Parameter	Mandatory	Type	Description
userId	Yes	String	User ID.

Request Parameters

Table 4-40 Request header parameters

Parameter	Mandatory	Type	Description
Authorization	Yes	String	Access token. Token authentication is used to call KooDrive APIs. A token indicates the permission. When an API is called, the token is added to the request header to obtain the operation permission. For details about how to obtain an access token, see the corresponding developer guide. The format is Bearer+{access_token} .
X-Traceid	No	String	Message log trace ID. The value contains 58 bits.
language	No	String	Language code, which complies with the internationalization specifications. For example, en-US indicates English (United States). English (United States) is used by default.
X-User-Id	Yes	String	User ID, which is used for app authentication.
X-Date	Yes	String	Date, which is used for app authentication.
Host	Yes	String	Address, which is used for app authentication.

Response Parameters

Status code: 200

Table 4-41 Response body parameters

Parameter	Type	Description
code	Integer	Error code.
msg	String	Error message.

Example Requests

Delete user **1244780780316557312** and the corresponding resources.

```
DELETE /koodrive/ose/v1/users/1244780780316557312
```

```
Authorization:Bearer+10f88*****4791e9ff
```

Example Responses

Status code: 200

OK

```
{
  "code" : 0,
  "msg" : "success"
}
```

Status Codes

Status Code	Description
200	OK

4.2.7 Querying the Mobile Number of a User

Function

Query the mobile number of a user.

URI

```
GET /koodrive/ose/v1/users/mobile/{userId}
```

Table 4-42 Path Parameters

Parameter	Mandatory	Type	Description
userId	Yes	String	User ID.

Request Parameters

Table 4-43 Request header parameters

Parameter	Mandatory	Type	Description
Authorization	Yes	String	Access token. Token authentication is used to call KooDrive APIs. A token indicates the permission. When an API is called, the token is added to the request header to obtain the operation permission. For details about how to obtain an access token, see the corresponding developer guide. The format is Bearer+{access_token} .
X-Traceid	No	String	Message log trace ID. The value contains 58 bits.
language	No	String	Language code, which complies with the internationalization specifications. For example, en-US indicates English (United States). English (United States) is used by default.
X-User-Id	Yes	String	User ID, which is used for app authentication.
X-Date	Yes	String	Date, which is used for app authentication.
Host	Yes	String	Address, which is used for app authentication.

Response Parameters

Status code: 200**Table 4-44** Response body parameters

Parameter	Type	Description
code	Integer	Response code.
msg	String	Response message.
mobile	String	Mobile number.

Example Requests

Obtain the mobile number of user 1244780780316557312.

```
GET /koodrive/ose/v1/users/mobile/1244780780316557312
```

```
Authorization:Bearer+10f88*****4791e9ff
```

Example Responses

Status code: 200

OK

```
{
  "mobile" : "178*****",
  "code" : 0,
  "msg" : "success"
}
```

Status Codes

Status Code	Description
200	OK

4.2.8 Pre-verification API

Function

Pre-verification API.

URI

POST /koodrive/ose/v1/users/batchimport/preverify

Request Parameters

Table 4-45 Request header parameters

Parameter	Mandatory	Type	Description
Authorization	Yes	String	Access token. Token authentication is used to call KooDrive APIs. A token indicates the permission. When an API is called, the token is added to the request header to obtain the operation permission. For details about how to obtain an access token, see the corresponding developer guide. The format is Bearer +{ <i>access_token</i> }.
language	No	String	Language code, which complies with the internationalization specifications. For example, en-US indicates English (United States). English (United States) is used by default.
X-Traceid	No	String	Message log trace ID. The value contains 58 bits.

Table 4-46 Request body parameters

Parameter	Mandatory	Type	Description
curDeptId	Yes	Integer	ID of the selected department.
users	Yes	Array of ImportUserInfo objects	Imported user information.

Table 4-47 ImportUserInfo

Parameter	Mandatory	Type	Description
targetDeptName	No	String	Name of the target department.

Parameter	Mandatory	Type	Description
personalCapacity	Yes	Integer	Capacity of the allocated individual space. If isAllocateCapacity is set to false , the value is 0 .
isAllocateCapacity	Yes	Boolean	Whether the individual space is allocated.

Response Parameters

Status code: 200

Table 4-48 Response body parameters

Parameter	Type	Description
code	Integer	Response code.
msg	String	Response message.
data	Array of ImportUserVerifyResult objects	Result.

Table 4-49 ImportUserVerifyResult

Parameter	Type	Description
isSuccess	Integer	Import result (successful or failed).
reason	String	Failure reason.

Example Requests

Performing Pre-verification

/koodrive/ose/v1/users/batchimport/preverify

```
{
  "curDeptId": 1575416580416769793
  "users": [
    {
      "targetDeptName": "Dept",
      "personalCapacity": 10,
      "isAllocateCapacity": true
    }
  ]
}
```

Example Responses

Status code: 200

Response body of the pre-verification API.

```
{
  "code": 0,
  "msg": "Successful",
  "data": [
    "isSuccess": 0
  ]
}
```

Status Codes

Status Code	Description
200	Response body of the pre-verification API.

4.2.9 Change the maximum number of OrgID users.

Function

Change the maximum number of OrgID users.

URI

POST /koodrive/ose/v1/user/expand/{orgId}

Table 4-50 Path Parameters

Parameter	Mandatory	Type	Description
orgId	Yes	String	User ID in OrgID.

Request Parameters

Table 4-51 Request header parameters

Parameter	Mandatory	Type	Description
Authorization	Yes	String	Access token. Token authentication is used to call KooDrive APIs. A token indicates the permissions. When an API is called, the token is added to the request header to obtain the operation permissions. For details about how to obtain an access token, see the corresponding developer guide. The format is Bearer+{access_token} .
X-Traceid	No	String	Message log trace ID. The value contains 58 bits.
language	No	String	Language code, which complies with the internationalization specifications. For example, en-US indicates English (United States). English (United States) is used by default.

Response Parameters

Status code: 200

Table 4-52 Response body parameters

Parameter	Type	Description
code	Integer	Error code.
msg	String	Error message.

Example Requests

Change the maximum number of OrgID users.

```
POST /koodrive/ose/v1/user/expand/{orgId}
Authorization:Bearer+10f88*****4791e9ff
```

Example Responses

Status code: 200

Response to the request for changing the maximum number of OrgID users.

```
{
  "code" : 0,
  "msg" : "OK"
}
```

Status Codes

Status Code	Description
200	Response to the request for changing the maximum number of OrgID users.

4.3 Space Management

4.3.1 Listing Departments Spaces

Function

List department spaces.

URI

GET /koodrive/ose/v1/space/departmentList

Table 4-53 Query Parameters

Parameter	Mandatory	Type	Description
offset	Yes	String	Offset. Minimum value: 0.
limit	Yes	String	Maximum number of records to be returned. Value range: 1 to 100.
keyWord	No	String	Search keyword. You can use name and administrator as the search criteria.

Request Parameters

Table 4-54 Request header parameters

Parameter	Mandatory	Type	Description
Authorization	Yes	String	Access token. Token authentication is used to call KooDrive APIs. A token indicates the permission. When an API is called, the token is added to the request header to obtain the operation permission. For details about how to obtain an access token, see the corresponding developer guide. The format is Bearer +{ <i>access_token</i> }.
X-Traceid	No	String	Message log trace ID. The value contains 58 bits.
language	No	String	Language code, which complies with the internationalization specifications. For example, en-US indicates English (United States). English (United States) is used by default.
X-User-Id	Yes	String	User ID, which is used for app authentication.
X-Date	Yes	String	Date, which is used for app authentication.
Host	Yes	String	Address, which is used for app authentication.

Response Parameters

Status code: 200**Table 4-55** Response body parameters

Parameter	Type	Description
code	Integer	Error code.
msg	String	Error message.
total	String	Total number of records.

Parameter	Type	Description
departments	Array of departmentSpaceInfo objects	Department space information.

Table 4-56 departmentSpaceInfo

Parameter	Type	Description
id	String	Department ID.
parentId	String	ID of the parent department in KooDrive.
name	String	Department name.
tenantId	String	Tenant ID.

Example Requests

Lists the spaces of up to 10 departments.

```
GET /koodrive/cloudfile/v1/space/departmentList?offset=0&limit=10
Authorization:Bearer+10f88*****4791e9ff
```

Example Responses

Status code: 200

Department space list.

```
{
  "total" : 364,
  "departments" : [ {
    "tenantId" : "40086000004871666",
    "creator" : "369528171409614001",
    "createTime" : "2023-11-14T20:39:06.000Z",
    "modifier" : "369528171409614001",
    "updateTime" : "2023-12-26T11:40:08.000Z",
    "ownerId" : "1289173668999530369",
    "status" : 0,
    "capacity" : 1,
    "spaceUsed" : 654777,
    "containerId" : "IAADfsBFCO6WtAtuAb7e92cde625843cfb7f4ceba802e0b",
    "bizRootFileId" : "DEUI7pa0C24ArootIAADfsBFCO6WtAtuAb7e92cde625843cfb7f4ceba802e0b",
    "bizSboxFileId" : "DEUI7pa0C24AsboxIAADfsBFCO6WtAtuAb7e92cde625843cfb7f4ceba802e0b",
    "id" : "1289173668999530369",
    "parentId" : "1289171275545118721",
    "name" : "Department 1699953477584",
    "userNum" : 1
  }, {
    "tenantId" : "40086000004871666",
    "id" : "1289173650183882753",
    "parentId" : "1289171275545118721",
    "name" : "Department 1699953475619"
  }, {
```

```
{
  "tenantId" : "40086000004871666",
  "id" : "1289173631275960193",
  "parentId" : "1289171275545118721",
  "name" : "Department 1699953473454"
}, {
  "tenantId" : "40086000004871666",
  "id" : "1289173612200265729",
  "parentId" : "1289171275545118721",
  "name" : "Department 1699953470101"
}, {
  "tenantId" : "40086000004871666",
  "id" : "1289173593258788737",
  "parentId" : "1289171275545118721",
  "name" : "Department 169995346896"
}, {
  "tenantId" : "40086000004871666",
  "id" : "1289173574392809473",
  "parentId" : "1289171275545118721",
  "name" : "Department 1699953466973"
}, {
  "tenantId" : "40086000004871666",
  "id" : "1289173555140953985",
  "parentId" : "1289171275545118721",
  "name" : "Department 1699953463567"
}, {
  "tenantId" : "40086000004871666",
  "id" : "1289173535931041664",
  "parentId" : "1289171275545118721",
  "name" : "Department 1699953461741"
}, {
  "tenantId" : "40086000004871666",
  "id" : "1289173517174114305",
  "parentId" : "1289171275545118721",
  "name" : "Department 1699953459399"
}, {
  "tenantId" : "40086000004871666",
  "id" : "1289173498115196929",
  "parentId" : "1289171275545118721",
  "name" : "Department 1699953457405"
}
],
"code" : 0,
"msg" : "OK"
}
```

Status Codes

Status Code	Description
200	Department space list.

4.3.2 Querying Space Information

Function

Query the space information of an individual, department, or group.

URI

GET /koodrive/ose/v1/space/{ownerId}

Table 4-57 Path Parameters

Parameter	Mandatory	Type	Description
ownerId	Yes	String	Owner ID.

Table 4-58 Query Parameters

Parameter	Mandatory	Type	Description
type	Yes	String	Space type. • 0: department. • 1: individual. • 2: group.
containerId	No	String	When type is set to 1 and there are multiple individual spaces, containerId must be specified.

Request Parameters

Table 4-59 Request header parameters

Parameter	Mandatory	Type	Description
Authorization	Yes	String	Access token. Token authentication is used to call KooDrive APIs. A token indicates the permission. When an API is called, the token is added to the request header to obtain the operation permission. For details about how to obtain an access token, see the corresponding developer guide. The format is Bearer + <i>{access_token}</i> .
X-Traceid	No	String	Message log trace ID. The value contains 58 bits.

Parameter	Mandatory	Type	Description
language	No	String	Language code, which complies with the internationalization specifications. For example, en-US indicates English (United States). English (United States) is used by default.
X-User-Id	Yes	String	User ID, which is used for app authentication.
X-Date	Yes	String	Date, which is used for app authentication.
Host	Yes	String	Address, which is used for app authentication.

Response Parameters

Status code: 200

Table 4-60 Response body parameters

Parameter	Type	Description
code	Integer	Response code.
msg	String	Response message.
data	SpaceInfo object	Space information.

Table 4-61 SpaceInfo

Parameter	Type	Description
type	String	Owner type. 0 : department space; 1 : individual space; 2 : group space.
status	String	Status.
ownerId	String	Space owner. 1. For a department space, the department ID is returned. 2. For an individual space, the user ID is returned. 3. For a group space, the group ID is returned.

Parameter	Type	Description
containerId	String	Space ID.
bizRootFileId	String	ID of the service root directory, which stores unencrypted common files.
bizSboxFileId	String	ID of the service safe directory, which stores encrypted files.
capacity	String	Space size.
spaceUsed	String	Size of the used space.
tenantId	String	Tenant ID.
creator	String	Creator.
createTime	String	Creation time.
modifier	String	Modifier ID.
updateTime	String	Update time.
rootFileId	String	ID of the space root directory.

Example Requests

Queries the space information of user **369528171409614001**.

```
GET /koodrive/ose/v1/space/369528171409614001?type=1
```

```
Authorization:Bearer+10f88*****4791e9ff
```

Example Responses

Status code: 200

OK

```
{
  "data": {
    "tenantId": "40086000004871666",
    "creator": "369528171409614001",
    "createTime": "2023-11-07T20:36:35.000Z",
    "modifier": "369528171409614001",
    "updateTime": "2023-12-26T11:40:07.000Z",
    "ownerId": "369528171409614001",
    "type": 1,
    "status": 0,
    "capacity": 800,
    "spaceUsed": 91966408,
    "containerId": "IAADfsBFCO6WtAtuA315074383680425b8aa9a130cba2d4",
    "rootFileId": "HFFdIb642fU51JWKAUIP6mwUVc8oDNKbO",
    "bizRootFileId": "DEUI7pa0C24ArootIAADfsBFCO6WtAtuA315074383680425b8aa9a130cba2d4",
    "bizSboxFileId": "DEUI7pa0C24AsboxIAADfsBFCO6WtAtuA315074383680425b8aa9a130cba2d4"
  },
  "code": 0,
  "msg": "Success"
}
```

Status Codes

Status Code	Description
200	OK

4.3.3 Creating a Space for a Department or Individual

Function

Create a space for a department or individual.

URI

POST /koodrive/ose/v1/space/{ownerId}

Table 4-62 Path Parameters

Parameter	Mandatory	Type	Description
ownerId	Yes	String	Owner ID.

Request Parameters

Table 4-63 Request header parameters

Parameter	Mandatory	Type	Description
Authorization	Yes	String	Access token. Token authentication is used to call KooDrive APIs. A token indicates the permission. When an API is called, the token is added to the request header to obtain the operation permission. For details about how to obtain an access token, see the corresponding developer guide. The format is Bearer+{access_token} .
X-User-Id	Yes	String	User ID, which is used for app authentication.
X-Date	Yes	String	Date, which is used for app authentication.

Parameter	Mandatory	Type	Description
Host	Yes	String	Address, which is used for app authentication.
X-Traceid	No	String	Message log trace ID. The value contains 58 bits.
language	No	String	Language code, which complies with the internationalization specifications. For example, en-US indicates English (United States). English (United States) is used by default.

Table 4-64 Request body parameters

Parameter	Mandatory	Type	Description
capacity	Yes	String	Requested space size.
type	Yes	Integer	Space type. • 0: department. • 1: individual. • 2: group.
capabilities	No	Capabilities object	User permissions.

Table 4-65 Capabilities

Parameter	Mandatory	Type	Description
addChildNodePermission	Yes	Boolean	Permission to create a file or folder. The value true indicates that the permission is granted, and the value false indicates that the permission is not granted.
copyPermission	Yes	Boolean	Copy permission. The value true indicates that the permission is granted, and the value false indicates that the permission is not granted.

Parameter	Mandatory	Type	Description
deletePermission	Yes	Boolean	Delete permission. The value true indicates that the permission is granted, and the value false indicates that the permission is not granted.
downloadPermission	Yes	Boolean	Download permission. The value true indicates that the permission is granted, and the value false indicates that the permission is not granted.
editPermission	Yes	Boolean	Edit permissions. true : granted; false : not granted (editing is not supported.)
listChildNodePermission	Yes	Boolean	Permission to view the list. The value true indicates that the permission is granted, and the value false indicates that the permission is not granted.
removeChildNodePermission	Yes	Boolean	Move permission. The value true indicates that the permission is granted, and the value false indicates that the permission is not granted.
renameFilePermission	Yes	Boolean	Rename permission. The value true indicates that the permission is granted, and the value false indicates that the permission is not granted.
shareFilePermission	Yes	Boolean	Share permission. The value true indicates that the permission is granted, and the value false indicates that the permission is not granted.
uploadPermission	Yes	Boolean	Upload permission. The value true indicates that the permission is granted, and the value false indicates that the permission is not granted.
viewPermission	Yes	Boolean	Preview permission. The value true indicates that the permission is granted, and the value false indicates that the permission is not granted.

Response Parameters

Status code: 200

Table 4-66 Response body parameters

Parameter	Type	Description
data	createSpaceRsplInfo object	Space information.
code	Integer	Information code.
msg	String	Information.

Table 4-67 createSpaceRsplInfo

Parameter	Type	Description
type	Integer	Owner type. 0 : department space; 1 : individual space; 2 : group space.
status	Integer	Status.
ownerId	String	Space owner. 1. For a department space, the department ID is returned. 2. For an individual space, the user ID is returned. 3. For a group space, the group ID is returned.
containerId	String	Space ID.
bizRootFileId	String	ID of the service root directory, which stores unencrypted common files.
bizSboxFileId	String	ID of the service safe directory, which stores encrypted files.
capacity	Integer	Space size.
spaceUsed	Integer	Size of the used space.
tenantId	String	Tenant ID.
creator	String	Creator.
modifier	String	Modifier ID.
rootFileId	String	ID of the space root directory.
operatorId	Integer	Operator ID.

Example Requests

Creates a space of 1 GB for department **1289173650183882753**.

```
POST /koodrive/ose/v1/space/1289173650183882753
```

```
Authorization:Bearer+10f88*****4791e9ff
```

```
{
  "capacity": 1,
  "type": 0
}
```

Example Responses

Status code: 200

Basic response. Only the error code and error information are returned.

```
{
  "code" : 0,
  "msg" : "Success"
}
```

Status Codes

Status Code	Description
200	Basic response. Only the error code and error information are returned.

4.3.4 Modifying Space Information

Function

Modify the space information of a department or individual.

URI

```
PUT /koodrive/ose/v1/space/{ownerId}
```

Table 4-68 Path Parameters

Parameter	Mandatory	Type	Description
ownerId	Yes	String	Space owner. The value can be a department or a user ID.

Request Parameters

Table 4-69 Request header parameters

Parameter	Mandatory	Type	Description
Authorization	Yes	String	Access token. Token authentication is used to call KooDrive APIs. A token indicates the permission. When an API is called, the token is added to the request header to obtain the operation permission. For details about how to obtain an access token, see the corresponding developer guide. The format is Bearer+{access_token} .
X-Traceid	No	String	Message log trace ID. The value contains 58 bits.
language	No	String	Language code, which complies with the internationalization specifications. For example, en-US indicates English (United States). English (United States) is used by default.
X-User-Id	Yes	String	User ID, which is used for app authentication.
X-Date	Yes	String	Date, which is used for app authentication.
Host	Yes	String	Address, which is used for app authentication.

Table 4-70 Request body parameters

Parameter	Mandatory	Type	Description
status	No	String	Space status. • 0: normal (A space has been allocated and can be used.) • 1: disabled (A space has been allocated, but the used space cannot be accessed.)

Parameter	Mandatory	Type	Description
capacity	No	String	Capacity.
type	Yes	Integer	Space type. • 0: department. • 1: individual.
containerId	No	String	Space ID.

Response Parameters

Status code: 200

Table 4-71 Response body parameters

Parameter	Type	Description
code	Integer	Error code.
msg	String	Error message.

Example Requests

Update the space size of department **1289173650183882753** to 1 GB.

```
PUT /koodrive/ose/v1/space/1289173650183882753
```

```
Authorization:Bearer+10f88*****4791e9ff
```

```
{
  "status": 1,
  "type": 0
}
```

Example Responses

Status code: 200

Basic response. Only the error code and error information are returned.

```
{
  "code" : 0,
  "msg" : "Success"
}
```

Status Codes

Status Code	Description
200	Basic response. Only the error code and error information are returned.

4.3.5 Deleting a Space

Function

Delete a space.

URI

DELETE /koodrive/ose/v1/space/{ownerId}

Table 4-72 Path Parameters

Parameter	Mandatory	Type	Description
ownerId	Yes	String	Owner ID.

Table 4-73 Query Parameters

Parameter	Mandatory	Type	Description
type	Yes	Integer	Space type. • 0: department. • 1: individual.
containerId	No	String	Space ID. Multiple individual spaces exist during third-party integration. This parameter must be specified during space deletion.

Request Parameters

Table 4-74 Request header parameters

Parameter	Mandatory	Type	Description
Authorization	Yes	String	Access token. Token authentication is used to call KooDrive APIs. A token indicates the permission. When an API is called, the token is added to the request header to obtain the operation permission. For details about how to obtain an access token, see the corresponding developer guide. The format is Bearer+{access_token} .

Parameter	Mandatory	Type	Description
X-Traceid	No	String	Message log trace ID. The value contains 58 bits.
language	No	String	Language code, which complies with the internationalization specifications. For example, en-US indicates English (United States). English (United States) is used by default.
X-User-Id	Yes	String	User ID, which is used for app authentication.
X-Date	Yes	String	Date, which is used for app authentication.
Host	Yes	String	Address, which is used for app authentication.

Response Parameters

Status code: 200

Table 4-75 Response body parameters

Parameter	Type	Description
code	Integer	Error code.
msg	String	Error message.

Example Requests

Deletes the space of department **1289173650183882753**.

```
DELETE /koodrive/ose/v1/space/1289173650183882753?type=0
```

```
Authorization:Bearer+10f88*****4791e9ff
```

Example Responses

Status code: 200

Basic response. Only the error code and error information are returned.

```
{
  "code" : 0,
  "msg" : "Success"
}
```

Status Codes

Status Code	Description
200	Basic response. Only the error code and error information are returned.

4.3.6 Querying Space Details by Space ID

Function

Query space details by space ID. This API applies only to machine-to-machine calling.

URI

GET /koodrive/ose/v1/space/container/{containerId}

Table 4-76 Path Parameters

Parameter	Mandatory	Type	Description
containerId	Yes	String	Space ID.

Request Parameters

Table 4-77 Request header parameters

Parameter	Mandatory	Type	Description
Authorization	Yes	String	Access token. Token authentication is used to call KooDrive APIs. A token indicates the permission. When an API is called, the token is added to the request header to obtain the operation permission. For details about how to obtain an access token, see the corresponding developer guide. The format is Bearer +{access_token}.
X-Traceid	No	String	Message log trace ID. The value contains 58 bits.

Parameter	Mandatory	Type	Description
language	No	String	Language code, which complies with the internationalization specifications. For example, en-US indicates English (United States). English (United States) is used by default.
X-User-Id	Yes	String	User ID, which is used for app authentication.
X-Date	Yes	String	Date, which is used for app authentication.
Host	Yes	String	Address, which is used for app authentication.

Response Parameters

Status code: 200

Table 4-78 Response body parameters

Parameter	Type	Description
code	Integer	Response code.
msg	String	Response message.
data	SpaceInfo object	Space information.

Table 4-79 SpaceInfo

Parameter	Type	Description
type	String	Owner type. 0 : department space; 1 : individual space; 2 : group space.
status	String	Status.
ownerId	String	Space owner. 1. For a department space, the department ID is returned. 2. For an individual space, the user ID is returned. 3. For a group space, the group ID is returned.

Parameter	Type	Description
containerId	String	Space ID.
bizRootFileId	String	ID of the service root directory, which stores unencrypted common files.
bizSboxFileId	String	ID of the service safe directory, which stores encrypted files.
capacity	String	Space size.
spaceUsed	String	Size of the used space.
tenantId	String	Tenant ID.
creator	String	Creator.
createTime	String	Creation time.
modifier	String	Modifier ID.
updateTime	String	Update time.
rootFileId	String	ID of the space root directory.

Example Requests

Queries details about a space whose ID is
IAADfsBFCO6WtAtuAb7e92cde625843cfb7f4ceba802e0b.

```
GET /koodrive/ose/v1/space/container/IAADfsBFCO6WtAtuAb7e92cde625843cfb7f4ceba802e0b
```

```
Authorization:Bearer+10f88*****4791e9ff
```

Example Responses

Status code: 200

Space details.

```
{
  "data": {
    "tenantId": "40086000004871666",
    "creator": "369528171409614001",
    "createTime": "2023-11-14T20:39:06.000Z",
    "modifier": "369528171409614001",
    "updateTime": "2023-12-27T03:41:49.000Z",
    "ownerId": "1289173668999530369",
    "type": 0,
    "status": 0,
    "capacity": 1,
    "spaceUsed": 654777,
    "containerId": "IAADfsBFCO6WtAtuAb7e92cde625843cfb7f4ceba802e0b",
    "rootFileId": "HFaETMi24qYqOM5KQmpNY2ATjKJeAunIK",
    "bizRootFileId": "DEUI7pa0C24ArootIAADfsBFCO6WtAtuAb7e92cde625843cfb7f4ceba802e0b",
    "bizSboxFileId": "DEUI7pa0C24AsboxIAADfsBFCO6WtAtuAb7e92cde625843cfb7f4ceba802e0b"
  },
  "code": 0,
  "msg": "Success"
}
```

Status Codes

Status Code	Description
200	Space details.

4.3.7 Querying Information About a Team Space

Function

Query information about a team space.

URI

GET /koodrive/ose/v1/space/teamList

Table 4-80 Query Parameters

Parameter	Mandatory	Type	Description
offset	Yes	Integer	Offset. Minimum value: 0.
limit	Yes	Integer	Maximum number of records to be returned. Value range: 1 to 100.
keyWord	No	String	Search keyword. You can use name and ownerName as the search criteria.
teamType	No	Integer	Team type.

Request Parameters

Table 4-81 Request header parameters

Parameter	Mandatory	Type	Description
Authorization	Yes	String	Access token. Token authentication is used to call KooDrive APIs. A token indicates the permission. When an API is called, the token is added to the request header to obtain the operation permission. For details about how to obtain an access token, see the corresponding developer guide. The format is Bearer +{access_token}.
X-Traceid	No	String	Message log trace ID. The value contains 58 bits.
language	No	String	Language code, which complies with the internationalization specifications. For example, en-US indicates English (United States). English (United States) is used by default.
X-User-Id	Yes	String	User ID, which is used for app authentication.
X-Date	Yes	String	Date, which is used for app authentication.
Host	Yes	String	Address, which is used for app authentication.

Response Parameters

Status code: 200**Table 4-82** Response body parameters

Parameter	Type	Description
code	Integer	Error code.
msg	String	Error message.
total	String	Total number of records.

Parameter	Type	Description
teams	Array of TeamSpaceInfo objects	Team space list.

Table 4-83 TeamSpaceInfo

Parameter	Type	Description
id	String	ID of the department, user group, or group to which the space belongs.
status	Integer	Space status.
capacity	Integer	Space size.
spaceUsed	String	Size of the used space.
containerId	String	Space ID.
userNum	Integer	Number of users.
ownerId	String	Owner ID.
ownerName	String	Owner name.
tenantId	String	Tenant ID.
creator	String	Creator.
createTime	String	Creation time.
modifier	String	Modifier ID.
updateTime	String	Update time.
bizRootFileId	String	ID of the space root directory.
bizSboxFileId	String	ID of the space safe directory.
iconUrl	String	Icon link.
top	Integer	Whether this record is pinned to top.
role	Integer	Role.
type	Integer	Space type. 0: department space; 1: personal space; 2: group space
teamType	Integer	Team type.

Example Requests

Queries the space information of team **369528171409614001**.

```
GET /koodrive/ose/v1/space/teamList
Authorization:Bearer+10f88*****4791e9ff
```

Example Responses

Status code: 200

Space information.

```
{
  "data": {
    "tenantId": "40086000004871666",
    "creator": "369528171409614001",
    "createTime": "2023-11-07T20:36:35.000Z",
    "modifier": "369528171409614001",
    "updateTime": "2023-12-26T11:40:07.000Z",
    "ownerId": "369528171409614001",
    "type": 1,
    "status": 0,
    "capacity": 800,
    "spaceUsed": 91966408,
    "containerId": "IAADfsBFCO6WtAtuA315074383680425b8aa9a130cba2d4",
    "rootFileId": "HFFdIb642fU51JWKAUIP6mwUVc8oDNKbO",
    "bizRootFileId": "DEUI7pa0C24ArootIAADfsBFCO6WtAtuA315074383680425b8aa9a130cba2d4",
    "bizSboxFileId": "DEUI7pa0C24AsboxIAADfsBFCO6WtAtuA315074383680425b8aa9a130cba2d4"
  },
  "code": 0,
  "msg": "OK"
}
```

Status Codes

Status Code	Description
200	Space information.

4.3.8 Creating a Group Space

Function

Create a group space.

URI

POST /koodrive/ose/v1/space/group

Request Parameters

Table 4-84 Request header parameters

Parameter	Mandatory	Type	Description
Authorization	Yes	String	Access token. Token authentication is used to call KooDrive APIs. A token indicates the permission. When an API is called, the token is added to the request header to obtain the operation permission. For details about how to obtain an access token, see the corresponding developer guide. The format is Bearer +{access_token}.
X-Traceid	No	String	Message log trace ID. The value contains 58 bits.
language	No	String	Language code, which complies with the internationalization specifications. For example, en-US indicates English (United States). English (United States) is used by default.
X-User-Id	Yes	String	User ID, which is used for app authentication.
X-Date	Yes	String	Date, which is used for app authentication.
Host	Yes	String	Address, which is used for app authentication.

Table 4-85 Request body parameters

Parameter	Mandatory	Type	Description
name	Yes	String	Space name.
iconUrl	No	String	Space profile picture.
capacity	No	Integer	Space size.
addGroupUsers	Yes	Array of AddGroupUsers objects	List of users to be added to the group.

Table 4-86 AddGroupUsers

Parameter	Mandatory	Type	Description
userId	Yes	String	User ID.
template	Yes	Long	Permissions template ID. For a custom template, the value is -1 .
capabilities	No	Capabilities object	Permissions value (transferred when a template is customized).

Table 4-87 Capabilities

Parameter	Mandatory	Type	Description
addChildNodePermission	Yes	Boolean	Permission to create a file or folder. The value true indicates that the permission is granted, and the value false indicates that the permission is not granted.
copyPermission	Yes	Boolean	Copy permission. The value true indicates that the permission is granted, and the value false indicates that the permission is not granted.
deletePermission	Yes	Boolean	Delete permission. The value true indicates that the permission is granted, and the value false indicates that the permission is not granted.
downloadPermission	Yes	Boolean	Download permission. The value true indicates that the permission is granted, and the value false indicates that the permission is not granted.
editPermission	Yes	Boolean	Edit permissions. true : granted; false : not granted (editing is not supported.)
listChildNodePermission	Yes	Boolean	Permission to view the list. The value true indicates that the permission is granted, and the value false indicates that the permission is not granted.

Parameter	Mandatory	Type	Description
removeChildNodePermission	Yes	Boolean	Move permission. The value true indicates that the permission is granted, and the value false indicates that the permission is not granted.
renameFilePermission	Yes	Boolean	Rename permission. The value true indicates that the permission is granted, and the value false indicates that the permission is not granted.
shareFilePermission	Yes	Boolean	Share permission. The value true indicates that the permission is granted, and the value false indicates that the permission is not granted.
uploadPermission	Yes	Boolean	Upload permission. The value true indicates that the permission is granted, and the value false indicates that the permission is not granted.
viewPermission	Yes	Boolean	Preview permission. The value true indicates that the permission is granted, and the value false indicates that the permission is not granted.

Response Parameters

Status code: 200

Table 4-88 Response body parameters

Parameter	Type	Description
code	Integer	Error code.
msg	String	Error description.
failedList	Array of strings	Failure list.
id	String	Space ID.

Example Requests

Creates a space of 20 GB for a group.

```
POST /koodrive/ose/v1/space/

Authorization:Bearer+10f88*****4791e9ff

{
  "name": "API Demo",
  "capacity": 20,
  "iconUrl": "1",
  "userIds": []
}
```

Example Responses

Status code: 200

Basic response. Only the error code and error information are returned.

```
{
  "id" : "xxx",
  "failedList" : [ ],
  "code" : 0,
  "msg" : "OK"
}
```

Status Codes

Status Code	Description
200	Basic response. Only the error code and error information are returned.

4.3.9 Dismissing a Group Space

Function

Dismiss a team space.

URI

DELETE /koodrive/ose/v1/space/group/{groupId}

Table 4-89 Path Parameters

Parameter	Mandatory	Type	Description
groupId	Yes	String	Group ID.

Request Parameters

Table 4-90 Request header parameters

Parameter	Mandatory	Type	Description
Authorization	Yes	String	Access token. Token authentication is used to call KooDrive APIs. A token indicates the permission. When an API is called, the token is added to the request header to obtain the operation permission. For details about how to obtain an access token, see the corresponding developer guide. The format is Bearer+{access_token} .
X-Traceid	No	String	Message log trace ID. The value contains 58 bits.
language	No	String	Language code, which complies with the internationalization specifications. For example, en-US indicates English (United States). English (United States) is used by default.
X-User-Id	Yes	String	User ID, which is used for app authentication.
X-Date	Yes	String	Date, which is used for app authentication.
Host	Yes	String	Address, which is used for app authentication.

Response Parameters

Status code: 200**Table 4-91** Response body parameters

Parameter	Type	Description
code	Integer	Error code.
msg	String	Error message.

Example Requests

Deletes the space of department **1289173650183882753**.

```
DELETE /koodrive/ose/v1/space/1289173650183882753?type=2
```

```
Authorization:Bearer+10f88*****4791e9ff
```

Example Responses

Status code: 200

Basic response. Only the error code and error information are returned.

```
{
  "code" : 0,
  "msg" : "Success"
}
```

Status Codes

Status Code	Description
200	Basic response. Only the error code and error information are returned.

4.3.10 Listing Group Spaces in an Enterprise

Function

List group spaces in an enterprise. (Only tenant administrators have the permission to call this API.)

URI

GET /koodrive/ose/v1/space/groupList

Table 4-92 Query Parameters

Parameter	Mandatory	Type	Description
offset	Yes	Integer	Offset. Minimum value: 0.
limit	Yes	Integer	Maximum number of records to be returned. Value range: 1 to 100.
keyWord	No	String	Search keyword. You can use name and ownerName as the search criteria.

Request Parameters

Table 4-93 Request header parameters

Parameter	Mandatory	Type	Description
Authorization	Yes	String	Access token. Token authentication is used to call KooDrive APIs. A token indicates the permission. When an API is called, the token is added to the request header to obtain the operation permission. For details about how to obtain an access token, see the corresponding developer guide. The format is Bearer +{access_token}.
X-Traceid	No	String	Message log trace ID. The value contains 58 bits.
language	No	String	Language code, which complies with the internationalization specifications. For example, en-US indicates English (United States). English (United States) is used by default.
X-User-Id	Yes	String	User ID, which is used for app authentication.
X-Date	Yes	String	Date, which is used for app authentication.
Host	Yes	String	Address, which is used for app authentication.

Response Parameters

Status code: 200**Table 4-94** Response body parameters

Parameter	Type	Description
code	Integer	Error code.
msg	String	Error message.
total	Integer	Total number of records.

Parameter	Type	Description
groupsTotal	Integer	Total number of groups.
groupsMax	Integer	Maximum number of groups.
assignedCapacity	String	Assigned capacity.
maxCapacity	String	Maximum capacity.
groups	Array of GroupSpaceInfo objects	Group space information.

Table 4-95 GroupSpaceInfo

Parameter	Type	Description
id	String	ID of the department, user group, or group to which the space belongs.
status	Integer	Space status.
capacity	Integer	Space size.
spaceUsed	String	Size of the used space.
containerId	String	Space ID.
userNum	Integer	Number of users.
ownerId	String	Owner ID.
ownerName	String	Owner name.
tenantId	String	Tenant ID.
creator	String	Creator.
createTime	String	Creation time.
modifier	String	Modifier ID.
updateTime	String	Update time.
bizRootFileId	String	ID of the space root directory.
bizSboxFileId	String	ID of the space safe directory.
iconUrl	String	Icon link.
name	String	Space name.

Example Requests

Lists group spaces in an enterprise.

```
GET /koodrive/ose/v1/space/groupList?offset=0&limit=10
Authorization:Bearer+10f88*****4791e9ff
```

Example Responses

Status code: 200

Information about the group space list.

```
{
  "total": 1,
  "groupsTotal": 1,
  "groupsMax": 500,
  "assignedCapacity": 100,
  "maxCapacity": 2048,
  "groups": [
    {
      "tenantId": "cad444830661464d9da88784a96d960c",
      "creator": "1410172329509745795",
      "createTime": "2024-05-10T01:46:22.000Z",
      "modifier": "1410172329509745795",
      "updateTime": "2024-05-10T02:27:23.000Z",
      "ownerId": "1410172329509745795",
      "status": 0,
      "capacity": 20,
      "spaceUsed": 0,
      "containerId": "IAAE49hOR8LulgAAA1417956457328121729",
      "bizRootFileId": "DE5Hwu6WAAAAArootIAAE49hOR8LulgAAA1417956457328121729",
      "bizSboxFileId": "DE5Hwu6WAAAAAAsboxIAAE49hOR8LulgAAA1417956457328121729",
      "id": "1417956457311344513",
      "groupName": "api01",
      "iconUrl": "1",
      "ownerName": "hid99522477",
      "userNum": 1
    }
  ],
  "code": 0,
  "msg": "Successful"
}
```

Status Codes

Status Code	Description
200	Information about the group space list.

4.3.11 Listing User Spaces

Function

List user spaces in a department. If **department_id** is not specified, the user space list of the organization to which the current sign-in user belongs is queried.

URI

GET /koodrive/ose/v1/space/userList

Table 4-96 Query Parameters

Parameter	Mandatory	Type	Description
deptId	No	String	Department ID. If this parameter is not specified, the user space list of the organization is queried if the current user is a system administrator, and the user space list of the department is queried if the current user is a department administrator.
isDirect	No	Boolean	Whether the user belongs to the root department. Default value: false.
offset	Yes	String	Offset. Minimum value: 0.
limit	Yes	String	Maximum number of records to be returned. Value range: 1 to 100.
keyWord	No	String	Search keyword. You can use name and mobile as the search criteria.
spaceStatus	No	String	Space status.

Request Parameters

Table 4-97 Request header parameters

Parameter	Mandatory	Type	Description
Authorization	Yes	String	1. The format is Bearer <i>{app_access_token}</i> . The application-level token needs to be passed for calling by an application server. The token is obtained by calling an API using clientid and clientSecret obtained during application creation. 2. The application is the KooDrive server.
X-Traceid	No	String	Message log trace ID. The value contains 58 bits.

Parameter	Mandatory	Type	Description
language	No	String	Language code, which complies with the internationalization specifications. For example, en_us indicates English (United States).
X-User-Id	Yes	String	User ID, which is used for app authentication.
X-Date	Yes	String	Date, which is used for app authentication.
Host	Yes	String	Address, which is used for app authentication.

Response Parameters

Status code: 200

Table 4-98 Response body parameters

Parameter	Type	Description
code	Integer	Response code.
msg	String	Response message.
users	Array of userSpaceInfo objects	User space information.
total	String	Total number of records.

Table 4-99 userSpaceInfo

Parameter	Type	Description
name	String	Username.
deptId	String	Department ID.
deptName	String	Department name.
mobile	String	Mobile number.
role	Integer	User role.
status	Integer	User account status.
containerId	String	Space ID.

Parameter	Type	Description
capacity	Long	Individual space size.
spaceUsed	Long	Size of the used space.
tenantId	String	Tenant ID.
id	String	User space ID.
userId	String	User ID.
spaceStatus	String	Space status.

Example Requests

Lists user spaces in a department.

```
GET /koodrive/ose/v1/space/userList?deptId=&isDirect=&offset=0&limit=100&keyWord
Authorization:Bearer+10f88*****4791e9ff
```

Example Responses

Status code: 200

Information about the user space list.

```
{
  "total" : 1,
  "users" : [ {
    "tenantId" : "cad444830661464d9da88784a96d960c",
    "status" : 0,
    "capacity" : 10,
    "spaceUsed" : 189,
    "containerId" : "IAAE49hOR8LulgAAA1410765425310141185",
    "id" : "1410765364786334592",
    "role" : 1,
    "name" : "xx",
    "deptName" : "xxx",
    "userId" : "1008600000445114904",
    "deptId" : 1410183811475666000,
    "mobile" : "0086147****6900",
    "spaceStatus" : "0"
  } ],
  "code" : 0,
  "msg" : "OK"
}
```

Status Codes

Status Code	Description
200	Information about the user space list.

4.3.12 Obtains space information.

Function

Obtains space information. (A user may have multiple spaces. This API is used to obtain the space information list.)

URI

GET /koodrive/ose/v2/space/{owner_id}

Table 4-100 Path Parameters

Parameter	Mandatory	Type	Description
owner_id	Yes	String	User ID.

Table 4-101 Query Parameters

Parameter	Mandatory	Type	Description
type	No	String	Space type.

Request Parameters

Table 4-102 Request header parameters

Parameter	Mandatory	Type	Description
X-User-Id	Yes	String	User ID, which is used for app authentication.
X-Date	Yes	String	Date, which is used for app authentication.
Host	Yes	String	Address, which is used for app authentication.

Parameter	Mandatory	Type	Description
Authorization	Yes	String	1. The format is Bearer {app_access_token}. The application-level token needs to be passed for calling by an application server. The token is obtained by calling an API using clientid and clientSecret obtained during application creation. 2. The application is the KooDrive server.

Response Parameters

Status code: 200

Table 4-103 Response body parameters

Parameter	Type	Description
code	Integer	Information code.
msg	String	Information.
data	Array of SpaceInfoV2 objects	Space list.

Table 4-104 SpaceInfoV2

Parameter	Type	Description
type	String	Owner type. 0 : department space; 1 : individual space; 2 : group space.
status	String	Status.
ownerId	String	Space owner. 1. For a department space, the department ID is returned. 2. For an individual space, the user ID is returned. 3. For a group space, the group ID is returned.
containerId	String	Space ID.

Parameter	Type	Description
bizRootFileId	String	ID of the service root directory, which stores unencrypted common files.
bizSboxFileId	String	ID of the service safe directory, which stores encrypted files.
capacity	String	Space size.
spaceUsed	String	Size of the used space.
tenantId	String	Tenant ID.
creator	String	Creator.
modifier	String	Modifier ID.
rootFileId	String	ID of the space root directory.

Example Requests

Obtains space information. (A user may have multiple spaces. This API is used to obtain the space information list.)

```
GET /koodrive/ose/v2/space/12156464
```

```
Authorization: HMAC-SHA256
AppId=a378331eca141163119eb602adb67b7802cc79cd33ba44c7d2fe61d1586c96a1,SignedHeaders=host;x-date;x-user-id,Signature=bd355f202be40f95bf9510fd7bd48ad711a7d144c01df07d515ee0fbf3a47416
X-User-Id: 1505084218764547200
Host: 10.32.45.165
X-Date: 20240909T033325Z
```

Example Responses

Status code: 200

Response to the request for obtaining space information.

```
{
  "data": {
    "tenantId": "0929b397a3424384b32cf8f96d9f35e4",
    "creator": "1465814559892958208",
    "modifier": "1465814559892958208",
    "ownerId": 1517293342025685000,
    "type": 1,
    "status": 0,
    "capacity": 1,
    "spaceUsed": 0,
    "containerId": "IAACk0hRXpq9DAWkA1537830432752646913",
    "rootFileId": "HFNKeRWAXJU4ittbTKM7OQCFOOjMDWV",
    "bizRootFileId": "DFFemr0MBaQAroutIAACk0hRXpq9DAWkA1537830432752646913",
    "bizSboxFileId": "DFFemr0MBaQAsboxIAACk0hRXpq9DAWkA1537830432752646913",
    "operatorId": 1465814559892958200,
    "name": "121-2"
  },
  "code": 0,
  "msg": "Operation successful."
}
```

Status Codes

Status Code	Description
200	Response to the request for obtaining space information.

4.3.13 Obtaining the Space Allocation Status

Function

Obtain the allocated and total space size of a tenant.

URI

GET /koodrive/ose/v1/space/allocation/get

Request Parameters

Table 4-105 Request header parameters

Parameter	Mandatory	Type	Description
Authorization	Yes	String	Access token. Token authentication is used to call KooDrive APIs. A token indicates the permissions. When an API is called, the token is added to the request header to obtain the operation permissions. For details about how to obtain an access token, see the corresponding developer guide. The format is Bearer +{access_token}.
X-Traceid	No	String	Message log trace ID. The value contains 58 bits.
language	No	String	Language code, which complies with the internationalization specifications. For example, en-US indicates English (United States). English (United States) is used by default.
X-User-Id	Yes	String	User ID, which is used for app authentication.

Parameter	Mandatory	Type	Description
X-Date	Yes	String	Date, which is used for app authentication.
Host	Yes	String	Address, which is used for app authentication.

Response Parameters

Status code: 200

Table 4-106 Response body parameters

Parameter	Type	Description
code	String	Error code.
msg	String	Error message.
data	Array of GetSpaceAllocatedData objects	Space allocation status.

Table 4-107 GetSpaceAllocatedData

Parameter	Type	Description
type	Integer	Space type.
allocateCapacity	Long	Allocated size, in GB.
totalCapacity	Long	Total size, in GB.

Example Requests

Obtaining the Allocated and Total Space Size of a Tenant

```
/koodrive/ose/v1/space/allocation/get
```

```
Authorization: HMAC-SHA256
AppId=a378331eca141163119eb602adb67b7802cc79cd33ba44c7d2fe61d1586c96a1,SignedHeaders=host;x-date;x-user-id,Signature=bd355f202be40f95bf9510fd7bd48ad711a7d144c01df07d515ee0fbf3a47416
X-User-Id: 1505084218764547200
Host: 10.32.45.165
X-Date: 20240909T033325Z
```

Example Responses

Status code: 200

Obtains the space allocation status.

```
{
  "data": {
    "type": "0",
    "allocateCapacity": "1000",
    "totalCapacity": "2000"
  },
  "code": 0,
  "msg": "Operation successful."
}
```

Status Codes

Status Code	Description
200	Obtains the space allocation status.

4.3.14 Allocating Space

Function

Allocate the unused space across different types, including individual, group, and department spaces.

URI

POST /koodrive/ose/v1/space/allocation/transfer

Request Parameters

Table 4-108 Request header parameters

Parameter	Mandatory	Type	Description
Authorization	Yes	String	Access token. Token authentication is used to call KooDrive APIs. A token indicates the permissions. When an API is called, the token is added to the request header to obtain the operation permissions. For details about how to obtain an access token, see the corresponding developer guide. The format is Bearer +{ <i>access_token</i> }.
X-Traceid	No	String	Message log trace ID. The value contains 58 bits.

Parameter	Mandatory	Type	Description
language	No	String	Language code, which complies with the internationalization specifications. For example, en-US indicates English (United States). English (United States) is used by default.
X-User-Id	Yes	String	User ID, which is used for app authentication.
X-Date	Yes	String	Date, which is used for app authentication.
Host	Yes	String	Address, which is used for app authentication.

Table 4-109 Request body parameters

Parameter	Mandatory	Type	Description
originType	Yes	Integer	Source space type.
target	Yes	Array of TransferUnusedSpaceData objects	Space allocation request object.

Table 4-110 TransferUnusedSpaceData

Parameter	Mandatory	Type	Description
type	Yes	Integer	Space type. • 0: department. • 1: individual. • 2: group.
expandCapacity	Yes	Integer	Size of the space to be expanded, in GB.

Response Parameters

Status code: 200

Table 4-111 Response body parameters

Parameter	Type	Description
code	String	Error code.
msg	String	Error message.

Example Requests

Allocate the unused space across different types, including individual, group, and department spaces.

```
/koodrive/ose/v1/space/allocation/transfer

Authorization:Bearer+c69b0f40334782d560bb154032cf22ef43d671843c4ffbad

{
  "originType":1,
  "target":{
    "type": 1,
    "expandCapacity": "1000",
  }
}
```

Example Responses

Status code: 200

Allocates space.

```
{
  "code": 0,
  "msg": "Successful",
}
```

Status Codes

Status Code	Description
200	Allocates space.

4.3.15 Querying Space Usage Overview

Function

Query space usage overview, total number, total space capacity, and used total space.

URI

GET /koodrive/ose/v1/space/usage/overview

Request Parameters

Table 4-112 Request header parameters

Parameter	Mandatory	Type	Description
Authorization	Yes	String	Access token. Token authentication is used to call KooDrive APIs. A token indicates the permission. When an API is called, the token is added to the request header to obtain the operation permission. For details about how to obtain an access token, see the corresponding developer guide. The format is Bearer +{ <i>access_token</i> }.
X-Traceid	No	String	Message log trace ID. The value contains 58 bits.
language	No	String	Language code, which complies with the internationalization specifications. For example, en-US indicates English (United States). English (United States) is used by default.
X-User-Id	Yes	String	User ID, which is used for app authentication.
X-Date	Yes	String	Date, which is used for app authentication.
Host	Yes	String	Address, which is used for app authentication.

Response Parameters

Status code: 200**Table 4-113** Response body parameters

Parameter	Type	Description
code	Integer	Return code.
msg	String	Description.

Parameter	Type	Description
data	SpaceQuotaUsage object	Query result.

Table 4-114 SpaceQuotaUsage

Parameter	Type	Description
quota	String	Quota.
totalAllocation	Long	Total allocated quota.
totalCapacity	Long	Total quota.
totalUsed	Long	Total used quota.

Example Requests

Query space usage overview, total number, total space capacity, and used total space.

```
/koodrive/ose/v1/space/usage/overview
```

```
Authorization:Bearer+c69b0f40334782d560bb154032cf22ef43d671843c4ffbad
```

Example Responses

Status code: 200

OK

```
{  
  "code" : 0,  
  "msg" : "success"  
}
```

Status Codes

Status Code	Description
200	OK

4.3.16 Querying Space Usage by Quota

Function

Query the total allocated quota, total space, and total used space by allocated quota.

URI

GET /koodrive/ose/v1/space/usage/quota

Table 4-115 Query Parameters

Parameter	Mandatory	Type	Description
limit	No	Integer	Query quantity.
offset	No	Integer	Offset.

Request Parameters

Table 4-116 Request header parameters

Parameter	Mandatory	Type	Description
Authorization	Yes	String	Access token. Token authentication is used to call KooDrive APIs. A token indicates the permission. When an API is called, the token is added to the request header to obtain the operation permission. For details about how to obtain an access token, see the corresponding developer guide. The format is Bearer+{access_token} .
X-Traceid	No	String	Message log trace ID. The value contains 58 bits.
language	No	String	Language code, which complies with the internationalization specifications. For example, en-US indicates English (United States). English (United States) is used by default.
X-User-Id	Yes	String	User ID, which is used for app authentication.
X-Date	Yes	String	Date, which is used for app authentication.
Host	Yes	String	Address, which is used for app authentication.

Response Parameters

Status code: 200

Table 4-117 Response body parameters

Parameter	Type	Description
code	Integer	Return code.
msg	String	Description.
data	Array of SpaceQuotaUsage objects	Query result.
total	Integer	Total allocations.

Table 4-118 SpaceQuotaUsage

Parameter	Type	Description
quota	String	Quota.
totalAllocation	Long	Total allocated quota.
totalCapacity	Long	Total quota.
totalUsed	Long	Total used quota.

Example Requests

Query the total allocated quota, total space, and total used space by allocated quota.

```
/koodrive/ose/v1/space/usage/quota
Authorization:Bearer+c69b0f40334782d560bb154032cf22ef43d671843c4ffbad
```

Example Responses

Status code: 200

OK

```
{
  "code" : 0,
  "msg" : "success"
}
```

Status Codes

Status Code	Description
200	OK

4.3.17 Querying Space Usage by User

Function

Query user space details by user.

URI

POST /koodrive/ose/v1/space/usage/user

Request Parameters

Table 4-119 Request header parameters

Parameter	Mandatory	Type	Description
Authorization	Yes	String	Access token. Token authentication is used to call KooDrive APIs. A token indicates the permission. When an API is called, the token is added to the request header to obtain the operation permission. For details about how to obtain an access token, see the corresponding developer guide. The format is Bearer +{ <i>access_token</i> }.
X-Traceid	No	String	Message log trace ID. The value contains 58 bits.
language	No	String	Language code, which complies with the internationalization specifications. For example, en-US indicates English (United States). English (United States) is used by default.
X-User-Id	Yes	String	User ID, which is used for app authentication.

Parameter	Mandatory	Type	Description
X-Date	Yes	String	Date, which is used for app authentication.
Host	Yes	String	Address, which is used for app authentication.

Table 4-120 Request body parameters

Parameter	Mandatory	Type	Description
userIds	No	Array of strings	User arrays.
limit	No	Integer	Query quantity.
offset	No	Integer	Offset.

Response Parameters

Status code: 200

Table 4-121 Response body parameters

Parameter	Type	Description
code	Integer	Return code.
msg	String	Description.
data	Array of UserSpaceQuota objects	Query result.
total	Integer	Total queries.

Table 4-122 UserSpaceQuota

Parameter	Type	Description
quota	String	Quota.
userId	String	User ID.
used	Double	Used quota.
createTime	String	Creation time.
effectiveTime	String	Validity period.

Parameter	Type	Description
expirationTime	String	Expiration time.

Example Requests

Query user space details by user.

```
/koodrive/ose/v1/space/usage/user
```

```
Authorization:Bearer+c69b0f40334782d560bb154032cf22ef43d671843c4ffbad
```

```
{
  "limit": 10,
  "offset": 0,
  "userIds": [
    "232323",
    "34343434"
  ]
}
```

Example Responses

Status code: 200

OK

```
{
  "code" : 0,
  "msg" : "success"
}
```

Status Codes

Status Code	Description
200	OK

4.4 Group Management

4.4.1 Creating a User Group

Function

Create a user group.

URI

POST /koodrive/ose/v1/usergroups

Request Parameters

Table 4-123 Request header parameters

Parameter	Mandatory	Type	Description
Authorization	Yes	String	Access token. Token authentication is used to call KooDrive APIs. A token indicates the permission. When an API is called, the token is added to the request header to obtain the operation permission. For details about how to obtain an access token, see the corresponding developer guide. The format is Bearer+{access_token} .
X-Traceid	No	String	Message log trace ID. The value contains 58 bits.
language	No	String	Language code, which complies with the internationalization specifications. For example, en-US indicates English (United States). English (United States) is used by default.
X-User-Id	Yes	String	User ID, which is used for app authentication.
X-Date	Yes	String	Date, which is used for app authentication.
Host	Yes	String	Address, which is used for app authentication.

Table 4-124 Request body parameters

Parameter	Mandatory	Type	Description
groupName	Yes	String	User group name, which cannot contain <> :"*?/\ or emojis. The value cannot be two periods (..), a period (.), or a space.
sourceType	Yes	Integer	User group type.

Response Parameters

Status code: 200

Table 4-125 Response body parameters

Parameter	Type	Description
id	String	Group ID.
code	Integer	Information code.
msg	String	Information.

Example Requests

Creates a group.

```
POST /koodrive/ose/v1/usergroups
```

```
Authorization:Bearer+c69b0f40334782d560bb154032cf22ef43d671843c4ffbad
```

```
{
  "capacity": 1,
  "type": 0
}
```

Example Responses

Status code: 200

Basic response. For a successful response, the ID of the created user group is returned. For an error response, only the error code and error information are returned.

```
{
  "code" : 0,
  "msg" : "OK",
  "id" : "xxx"
}
```

Status Codes

Status Code	Description
200	Basic response. For a successful response, the ID of the created user group is returned. For an error response, only the error code and error information are returned.

4.4.2 Listing User Groups

Function

List groups that a user joins.

URI

GET /koodrive/ose/v1/usergroups

Table 4-126 Query Parameters

Parameter	Mandatory	Type	Description
pageSize	Yes	Integer	Number of records to be returned on each page. Default and maximum value: 100. It is possible that partial or empty result pages are returned before the end of the result list has been reached.
pageCursor	Yes	String	Current page cursor, which is obtained from nextCursor of the previous response.
groupName	No	String	User group name.
sourceType	Yes	Integer	User group type.

Request Parameters

Table 4-127 Request header parameters

Parameter	Mandatory	Type	Description
Authorization	Yes	String	Access token. Token authentication is used to call KooDrive APIs. A token indicates the permission. When an API is called, the token is added to the request header to obtain the operation permission. For details about how to obtain an access token, see the corresponding developer guide. The format is Bearer+{access_token} .
X-Traceid	No	String	Message log trace ID. The value contains 58 bits.

Parameter	Mandatory	Type	Description
language	No	String	Language code, which complies with the internationalization specifications. For example, en-US indicates English (United States). English (United States) is used by default.
X-User-Id	Yes	String	User ID, which is used for app authentication.
X-Date	Yes	String	Date, which is used for app authentication.
Host	Yes	String	Address, which is used for app authentication.

Response Parameters

Status code: 200

Table 4-128 Response body parameters

Parameter	Type	Description
code	Integer	Response code.
msg	String	Response information.
nextCursor	String	Pagination cursor. If the cursor does not exist, the last record has been returned.
userGroupList	Array of UserGroupInfo objects	User group information.
total	Integer	Total number of records.

Table 4-129 UserGroupInfo

Parameter	Type	Description
id	String	User group ID.
groupName	String	User group name.
ownerId	String	Creator ID.

Parameter	Type	Description
createdTime	String	Creation time.
updatedAt	String	Update time.

Example Requests

Lists the groups that a user joins.

```
GET /koodrive/ose/v1/usergroups
```

```
Authorization:Bearer+c69b0f40334782d560bb154032cf22ef43d671843c4ffbad
```

Example Responses

Status code: 200

Group list information.

```
{
  "total" : 2,
  "userGroupList" : [ {
    "id" : "1407237551361847809",
    "groupName" : "7",
    "ownerId" : "1395476983395324033",
    "createdTime" : "2024-04-25T06:49:49.000Z",
    "updatedAt" : "2024-04-25T06:49:49.000Z"
  }, {
    "id" : "1404926806536180481",
    "groupName" : "111",
    "ownerId" : "1395476983395324033",
    "createdTime" : "2024-04-22T02:18:46.000Z",
    "updatedAt" : "2024-04-22T02:18:46.000Z"
  } ],
  "code" : 0,
  "msg" : "OK"
}
```

Status Codes

Status Code	Description
200	Group list information.

4.4.3 Modifying Group Information

Function

Modify group information.

URI

```
PUT /koodrive/ose/v1/usergroups/{groupId}
```

Table 4-130 Path Parameters

Parameter	Mandatory	Type	Description
groupId	Yes	String	Group ID.

Request Parameters

Table 4-131 Request header parameters

Parameter	Mandatory	Type	Description
Authorization	Yes	String	Access token. Token authentication is used to call KooDrive APIs. A token indicates the permission. When an API is called, the token is added to the request header to obtain the operation permission. For details about how to obtain an access token, see the corresponding developer guide. The format is Bearer + <i>{access_token}</i> .
X-Traceid	No	String	Message log trace ID. The value contains 58 bits.
language	No	String	Language code, which complies with the internationalization specifications. For example, en-US indicates English (United States). English (United States) is used by default.
X-User-Id	Yes	String	User ID, which is used for app authentication.
X-Date	Yes	String	Date, which is used for app authentication.
Host	Yes	String	Address, which is used for app authentication.

Table 4-132 Request body parameters

Parameter	Mandatory	Type	Description
groupName	Yes	String	User group name.

Parameter	Mandatory	Type	Description
userId	No	String	User ID.
role	No	String	User group role.
iconUrl	No	String	Link of the group profile picture.
top	No	String	Whether this record is pinned to top. 1 : pinned to top. 0 : displayed in sequence.
sourceType	Yes	Integer	User group type.

Response Parameters

Status code: 200

Table 4-133 Response body parameters

Parameter	Type	Description
code	Integer	Response code.
msg	String	Response information.

Example Requests

Update the group information of department **1289173650183882753**.

```
PUT /koodrive/ose/v1/usergroup/1289173650183882753
```

```
Authorization:Bearer+c69b0f40334782d560bb154032cf22ef43d671843c4ffbad
```

```
{
  "groupName": "123",
  "sourceType": 0
}
```

Example Responses

Status code: 200

OK

```
{
  "code" : 0,
  "msg" : "Success"
}
```

Status Codes

Status Code	Description
200	OK

4.4.4 Deleting a Group

Function

Delete a group.

URI

DELETE /koodrive/ose/v1/usergroups/{groupId}

Table 4-134 Path Parameters

Parameter	Mandatory	Type	Description
groupId	Yes	String	Group ID.

Request Parameters

Table 4-135 Request header parameters

Parameter	Mandatory	Type	Description
Authorization	Yes	String	Access token. Token authentication is used to call KooDrive APIs. A token indicates the permission. When an API is called, the token is added to the request header to obtain the operation permission. For details about how to obtain an access token, see the corresponding developer guide. The format is Bearer+{access_token} .
X-Traceid	No	String	Message log trace ID. The value contains 58 bits.

Parameter	Mandatory	Type	Description
language	No	String	Language code, which complies with the internationalization specifications. For example, en-US indicates English (United States). English (United States) is used by default.
X-User-Id	Yes	String	User ID, which is used for app authentication.
X-Date	Yes	String	Date, which is used for app authentication.
Host	Yes	String	Address, which is used for app authentication.

Response Parameters

Status code: 200

Table 4-136 Response body parameters

Parameter	Type	Description
code	Integer	Error code.
msg	String	Error message.

Example Requests

Deletes group **1289173650183882753**.

```
DELETE /koodrive/ose/v1/usergroup/1289173650183882753
```

```
Authorization:Bearer+c69b0f40334782d560bb154032cf22ef43d671843c4ffbad
```

Example Responses

Status code: 200

OK

```
{
  "code" : 0,
  "msg" : "Success"
}
```

Status Codes

Status Code	Description
200	OK

4.4.5 Listing Members in a User Group

Function

List members in a group.

URI

GET /koodrive/ose/v1/usergroups/{groupId}/members

Table 4-137 Path Parameters

Parameter	Mandatory	Type	Description
groupId	Yes	String	Group ID.

Table 4-138 Query Parameters

Parameter	Mandatory	Type	Description
offset	Yes	Integer	Offset. Minimum value: 0.
limit	Yes	Integer	Maximum number of records to be returned. Value range: 1 to 100.
keyWord	No	String	Search keyword. You can use name and ownerName as the search criteria.

Request Parameters

Table 4-139 Request header parameters

Parameter	Mandatory	Type	Description
Authorization	Yes	String	Access token. Token authentication is used to call KooDrive APIs. A token indicates the permission. When an API is called, the token is added to the request header to obtain the operation permission. For details about how to obtain an access token, see the corresponding developer guide. The format is Bearer +{ <i>access_token</i> }.
X-Traceid	No	String	Message log trace ID. The value contains 58 bits.
language	No	String	Language code, which complies with the internationalization specifications. For example, en-US indicates English (United States). English (United States) is used by default.
X-User-Id	Yes	String	User ID, which is used for app authentication.
X-Date	Yes	String	Date, which is used for app authentication.
Host	Yes	String	Address, which is used for app authentication.

Response Parameters

Status code: 200**Table 4-140** Response body parameters

Parameter	Type	Description
code	Integer	Response code.
msg	String	Response information.

Parameter	Type	Description
total	Integer	Total number of members in a user group.
userGroupMemberInfos	Array of MemberInfo objects	Member list.

Table 4-141 MemberInfo

Parameter	Type	Description
userId	String	Member user ID.
userName	String	Username.
deptId	String	Department ID.
deptName	String	Department name.
mobile	String	Mobile number.
createTime	String	Time when the member is added.
updateTime	String	Update time.
role	Integer	Role.
top	Integer	Top ID. 1: top. 0: display in sequence. Default value: 0.

Example Requests

List members in group **369528171409614001**.

```
GET /koodrive/ose/v1/usergroups/369528171409614001/members
```

```
Authorization:Bearer+c69b0f40334782d560bb154032cf22ef43d671843c4ffbad
```

Example Responses

Status code: 200

OK

```
{
  "data": {
    "tenantId": "40086000004871666",
    "creator": "369528171409614001",
    "createTime": "2023-11-07T20:36:35.000Z",
    "modifier": "369528171409614001",
    "updateTime": "2023-12-26T11:40:07.000Z",
    "ownerId": "369528171409614001",
    "type": 1,
    "status": 0,
    "capacity": 800,
  }
}
```

```
"spaceUsed" : 91966408,
"containerId" : "IAADfsBFCO6WtAtuA315074383680425b8aa9a130cba2d4",
"rootFileId" : "HFFdIb642fU51JWKAUIP6mwUVc8oDNKbO",
"bizRootFileId" : "DEUI7pa0C24ArootIAADfsBFCO6WtAtuA315074383680425b8aa9a130cba2d4",
"bizSboxFileId" : "DEUI7pa0C24AsboxIAADfsBFCO6WtAtuA315074383680425b8aa9a130cba2d4"
},
"code" : 0,
"msg" : "Success"
}
```

Status Codes

Status Code	Description
200	OK

4.4.6 Adding Members to a User Group

Function

Add members to a user group.

URI

POST /koodrive/ose/v1/usergroups/{groupId}/members/batchAdd

Table 4-142 Path Parameters

Parameter	Mandatory	Type	Description
groupId	Yes	String	Group ID.

Request Parameters

Table 4-143 Request header parameters

Parameter	Mandatory	Type	Description
Authorization	Yes	String	Access token. Token authentication is used to call KooDrive APIs. A token indicates the permission. When an API is called, the token is added to the request header to obtain the operation permission. For details about how to obtain an access token, see the corresponding developer guide. The format is Bearer +{ <i>access_token</i> }.
X-Traceid	No	String	Message log trace ID. The value contains 58 bits.
language	No	String	Language code, which complies with the internationalization specifications. For example, en-US indicates English (United States). English (United States) is used by default.
X-User-Id	Yes	String	User ID, which is used for app authentication.
X-Date	Yes	String	Date, which is used for app authentication.
Host	Yes	String	Address, which is used for app authentication.

Table 4-144 Request body parameters

Parameter	Mandatory	Type	Description
amendModRoles	Yes	Array of AmendModRole objects	User permission information to be updated.

Table 4-145 AmendModRole

Parameter	Mandatory	Type	Description
userId	Yes	Long	User ID.
template	Yes	Long	Permission template ID. For an anonymous template, set this parameter to -1 . (This parameter is optional when members are added to or deleted from a user group in batches.)
capabilities	No	Capabilities object	Permission value (transferred when a template is customized).

Table 4-146 Capabilities

Parameter	Mandatory	Type	Description
addChildNodePermission	Yes	Boolean	Permission to create a file or folder. The value true indicates that the permission is granted, and the value false indicates that the permission is not granted.
copyPermission	Yes	Boolean	Copy permission. The value true indicates that the permission is granted, and the value false indicates that the permission is not granted.
deletePermission	Yes	Boolean	Delete permission. The value true indicates that the permission is granted, and the value false indicates that the permission is not granted.
downloadPermission	Yes	Boolean	Download permission. The value true indicates that the permission is granted, and the value false indicates that the permission is not granted.
editPermission	Yes	Boolean	Edit permissions. true : granted; false : not granted (editing is not supported.)

Parameter	Mandatory	Type	Description
listChildNodePermission	Yes	Boolean	Permission to view the list. The value true indicates that the permission is granted, and the value false indicates that the permission is not granted.
removeChildNodePermission	Yes	Boolean	Move permission. The value true indicates that the permission is granted, and the value false indicates that the permission is not granted.
renameFilePermission	Yes	Boolean	Rename permission. The value true indicates that the permission is granted, and the value false indicates that the permission is not granted.
shareFilePermission	Yes	Boolean	Share permission. The value true indicates that the permission is granted, and the value false indicates that the permission is not granted.
uploadPermission	Yes	Boolean	Upload permission. The value true indicates that the permission is granted, and the value false indicates that the permission is not granted.
viewPermission	Yes	Boolean	Preview permission. The value true indicates that the permission is granted, and the value false indicates that the permission is not granted.

Response Parameters

Status code: 200

Table 4-147 Response body parameters

Parameter	Type	Description
code	Integer	Response code.
msg	String	Response information.
status	Integer	Response status. 0 : all successful; 1 : partially successful; 2 : all failed.

Parameter	Type	Description
failedList	Array of strings	Failed response list.

Example Requests

Add users to group **369528171409614001**.

```
POST /koodrive/ose/v1/usergroups/369528171409614001/members/batchAdd
```

```
Authorization:Bearer+c69b0f40334782d560bb154032cf22ef43d671843c4ffbad
```

```
{
  "userIds": ["3432423464657862424","132543141414141414"]
}
```

Example Responses

Status code: 200

OK

```
{
  "code" : 0,
  "msg" : "Success",
  "id" : "xxx"
}
```

Status Codes

Status Code	Description
200	OK

4.4.7 Deleting Members from a User Group

Function

Delete members from a user group.

URI

```
POST /koodrive/ose/v1/usergroups/{groupId}/members/batchDelete
```

Table 4-148 Path Parameters

Parameter	Mandatory	Type	Description
groupId	Yes	String	Group ID.

Request Parameters

Table 4-149 Request header parameters

Parameter	Mandatory	Type	Description
Authorization	Yes	String	Access token. Token authentication is used to call KooDrive APIs. A token indicates the permission. When an API is called, the token is added to the request header to obtain the operation permission. For details about how to obtain an access token, see the corresponding developer guide. The format is Bearer +{ <i>access_token</i> }.
X-Traceid	No	String	Message log trace ID. The value contains 58 bits.
language	No	String	Language code, which complies with the internationalization specifications. For example, en-US indicates English (United States). English (United States) is used by default.
X-User-Id	Yes	String	User ID, which is used for app authentication.
X-Date	Yes	String	Date, which is used for app authentication.
Host	Yes	String	Address, which is used for app authentication.

Table 4-150 Request body parameters

Parameter	Mandatory	Type	Description
amendModRoles	Yes	Array of AmendModRoleDelete objects	List of users to be deleted.

Table 4-151 AmendModRoleDelete

Parameter	Mandatory	Type	Description
userId	Yes	Long	User ID.

Response Parameters

Status code: 200

Table 4-152 Response body parameters

Parameter	Type	Description
code	Integer	Response code.
msg	String	Response information.
status	Integer	Response status. 0 : all successful; 1 : partially successful; 2 : all failed.
failedList	Array of strings	List of IDs of failed files.

Example Requests

Delete users from group **369528171409614001**.

```
POST /koodrive/ose/v1/usergroups/369528171409614001/members/batchDelete
```

```
Authorization: Bearer+c69b0f40334782d560bb154032cf22ef43d671843c4ffbad
```

```
{
  "userIds": ["3432423464657862424","1325431414141414"]
}
```

Example Responses

Status code: 200

OK

```
{
  "code" : 0,
  "msg" : "Success",
  "id" : "xxx"
}
```

Status Codes

Status Code	Description
200	OK

4.5 Session Management

4.5.1 Checking Whether a User Session Is Invalid Based on Token Information

Function

Check whether a user session is invalid based on token information.

URI

GET /koodrive/ose/v1/session/auth

Request Parameters

Table 4-153 Request header parameters

Parameter	Mandatory	Type	Description
Authorization	Yes	String	Access token. Token authentication is used to call KooDrive APIs. A token indicates the permission. When an API is called, the token is added to the request header to obtain the operation permission. For details about how to obtain an access token, see the corresponding developer guide. The format is Bearer +{access_token}.
X-Traceid	No	String	Message log trace ID. The value contains 58 bits.
language	No	String	Language code, which complies with the internationalization specifications. For example, en-US indicates English (United States). English (United States) is used by default.

Response Parameters

Status code: 200

Table 4-154 Response body parameters

Parameter	Type	Description
code	Integer	Error code.
msg	String	Error message.
data	OrgUserInfo object	User information.

Table 4-155 OrgUserInfo

Parameter	Type	Description
role	String	Role. • 0: common administrator. • 1: common user. • 2: super administrator.
innerUserId	String	Internal user ID.
userName	String	Username.
orgId	String	orgId
orgName	String	Name in OrgID.
tenantId	String	Tenant code, that is, enterprise code.
userCount	Integer	Number of users.
deptId	String	Department ID.
userId	String	User ID.

Example Requests

Request for verifying a token.

```
GET /koodrive/ose/v1/session/auth
```

```
Authorization:Bearer+10f88*****4791e9ff
```

Example Responses

Status code: 200

User information.

```
{
  "data": {
    "role": "2",
    "userName": "Tenant Administrator",
    "innerUserId": "369528171409614001",
    "userId": "1008600000016806899",
```

```
"tenantId": "40086000004871666",  
"orgId": "9190086000001210958",  
"orgName": "KooDrive",  
"deptId": 1395496464656556464  
"userCount": 7000  
},  
"code": 0,  
"msg": "success"  
}
```

Status Codes

Status Code	Description
200	User information.

4.5.2 Obtaining the URL of an OrgID Authorization Code for KooDrive

Function

Obtain the URL of an OrgID authorization code for KooDrive.

URI

GET /koodrive/ose/v1/session/authCodeURL

Table 4-156 Query Parameters

Parameter	Mandatory	Type	Description
domain	Yes	String	Frontend domain name.

Request Parameters

Table 4-157 Request header parameters

Parameter	Mandatory	Type	Description
X-Traceid	No	String	Message log trace ID. The value contains 58 bits.

Parameter	Mandatory	Type	Description
language	No	String	Language code, which complies with the internationalization specifications. For example, en-US indicates English (United States). English (United States) is used by default.

Response Parameters

Status code: 200

Table 4-158 Response body parameters

Parameter	Type	Description
uri	String	Login address of OrgID.
orgIdHost	String	Domain host of OrgID.
code	Integer	Response code.
msg	String	Response message.

Example Requests

Obtain the OrgID authorization code.

```
GET /koodrive/ose/v1/session/authCodeURL?domain=cn.myhuaweicloud-koodrive.com
```

Example Responses

Status code: 200

URL of an OrgID authorization code for KooDrive.

```
{
  "uri" : "https://orgid-beta.ulanqab.huawei.com/oauth2/authorize?
response_type=code&client_id=be93d606a69a214642bf324e147af3366aef98f2cb1eb0b51bf8a27647d135b0&
scope=phone+profile+email&redirect_uri=https://kdconsole-sec.hwcloudtest.cn/cloudfile/index.html",
  "orgIdHost" : "https://orgid-beta.ulanqab.huawei.com",
  "code" : 0,
  "msg" : "success"
}
```

Status Codes

Status Code	Description
200	URL of an OrgID authorization code for KooDrive.

4.5.3 Initializing and Creating a Session

Function

Initialize and create a session.

URI

POST /koodrive/ose/v1/session/

Request Parameters

Table 4-159 Request header parameters

Parameter	Mandatory	Type	Description
X-Traceid	No	String	Message log trace ID. The value contains 58 bits.
language	No	String	Language code, which complies with the internationalization specifications. For example, en-US indicates English (United States). English (United States) is used by default.

Table 4-160 Request body parameters

Parameter	Mandatory	Type	Description
code	Yes	String	Authorization code.

Response Parameters

Status code: 200

Table 4-161 Response body parameters

Parameter	Type	Description
code	Integer	Response code.
msg	String	Response information.
data	SessionUserDto object	Authorization code required by the service API.

Table 4-162 SessionUserDto

Parameter	Type	Description
accessToken	String	Authorization code required by the service API.
sessionId	String	Session ID.
userId	String	User ID.
userInfo	SessionUserInfo object	Enterprise-level user information.

Table 4-163 SessionUserInfo

Parameter	Type	Description
role	String	Role. • 0: common administrator. • 1: common user. • 2: super administrator.
userName	String	Username.
innerUserId	String	Internal user ID.
userId	String	External user ID.
tenantId	String	Tenant code, that is, enterprise code.
orgId	String	orgId
orgName	String	Name in OrgID.
xHwSchema	String	Database object set allocated to the tenant.
userCount	Integer	Number of users.
deptId	String	Department ID.

Example Requests

Request for initializing a session.

```
POST /koodrive/ose/v1/session

{
  "code" :
  "FrbMohdqi86v6sMZlFSSuG3E0_9RsDpL08BIYfNQPhvibLET266cQhDI_WczEXJOAoloKGCdqN2shKX1yfqrVci8n
  SFdMlxljNFhoffVvH93uSzloyFxK4P7yhY6fDXa",
  "domain" : "kdconsole-***_***_*****.cn:8080"
}
```

Example Responses

Status code: 200

Session response information.

```
{
  "data": {
    "accessToken": "Bearer 6ebb6266dd5cdefa1d7126af2eb6173ce0a054d8ba4295be",
    "sessionId": "c17c8903e9382a0aa1b82e9d42cb82ba12760a18d6cf018d",
    "userId": "1008600000701011122",
    "userInfo": {
      "role": "2",
      "userName": "199*****04",
      "innerUserId": "1574641576007768198",
      "userId": "1008600000701011122",
      "tenantId": "28389189a7744593a59940c0d0fcd451",
      "orgId": "9190086000001721760",
      "orgName": "lym09",
      "deptId": "1574641574824974465",
      "userCount": 40,
      "xhwSchema": "tenants1_liantiao"
    }
  },
  "code": 0,
  "msg": "Successful"
}
```

Status Codes

Status Code	Description
200	Session response information.

4.5.4 Refreshing a Session

Function

Refresh a session.

URI

POST /koodrive/ose/v1/session/refresh

Request Parameters

Table 4-164 Request header parameters

Parameter	Mandatory	Type	Description
Authorization	Yes	String	Access token. Token authentication is used to call KooDrive APIs. A token indicates the permission. When an API is called, the token is added to the request header to obtain the operation permission. For details about how to obtain an access token, see the corresponding developer guide. The format is Bearer +{access_token}.
X-Traceid	No	String	Message log trace ID. The value contains 58 bits.
language	No	String	Language code, which complies with the internationalization specifications. For example, en-US indicates English (United States). English (United States) is used by default.
x-session-id	Yes	String	Session ID.

Response Parameters

Status code: 200

Table 4-165 Response body parameters

Parameter	Type	Description
code	Integer	Response code.
msg	String	Response information.
accessToken	String	Authentication.

Example Requests

Request for refreshing a session.

```
POST /koodrive/ose/v1/session/refresh
```

```
Authorization:Bearer+10f88d*****a544791e9ff
x-session-id:b49*****ee67d90c07be
```

Example Responses

Status code: 200

Session refresh result.

```
{
  "accessToken": Bearer+013b4daf12f4099a6eb74e2708000cb7a418409192f3e149,
  "code": 0,
  "msg": "success"
}
```

Status Codes

Status Code	Description
200	Session refresh result.

4.5.5 Signing In and Signing Out

Function

Clear session information when a member signs out.

URI

GET /koodrive/ose/v1/session/logoff

Request Parameters

Table 4-166 Request header parameters

Parameter	Mandatory	Type	Description
Authorization	No	String	Access token. Token authentication is used to call KooDrive APIs. A token indicates the permission. When an API is called, the token is added to the request header to obtain the operation permission. For details about how to obtain an access token, see the corresponding developer guide. The format is Bearer+{access_token} .

Parameter	Mandatory	Type	Description
X-Traceid	No	String	Message log trace ID. The value contains 58 bits.
language	No	String	Language code, which complies with the internationalization specifications. For example, en-US indicates English (United States). English (United States) is used by default.

Response Parameters

Status code: 200

Table 4-167 Response body parameters

Parameter	Type	Description
code	Integer	Error code.
msg	String	Error message.

Example Requests

Sign-out request.

```
GET /koodrive/ose/v1/session/logoff
```

```
Authorization:Bearer+10f88d0*****a544791e9ff
```

Example Responses

Status code: 200

Basic response. Only the error code and error information are returned.

```
{
  "code" : 0,
  "msg" : "success"
}
```

Status Codes

Status Code	Description
200	Basic response. Only the error code and error information are returned.

4.6 Service Subscription

4.6.1 Obtaining the Subscription Status

Function

Obtain the subscription status of the management console service.

URI

GET /koodrive/ose/v1/service

Request Parameters

Table 4-168 Request header parameters

Parameter	Mandatory	Type	Description
Authorization	Yes	String	Access token. Token authentication is used to call KooDrive APIs. A token indicates the permission. When an API is called, the token is added to the request header to obtain the operation permission. For details about how to obtain an access token, see the corresponding developer guide. The format is Bearer +{ <i>access_token</i> }.
language	No	String	Language code, which complies with the internationalization specifications. For example, en-US indicates English (United States). English (United States) is used by default.
X-User-Id	Yes	String	User ID, which is used for app authentication.
X-Date	Yes	String	Date, which is used for app authentication.
Host	Yes	String	Address, which is used for app authentication.

Response Parameters

Status code: 200

Table 4-169 Response body parameters

Parameter	Type	Description
code	Integer	Response code.
msg	String	Response message.
data	ServiceStatus object	Cloud service subscription status.

Table 4-170 ServiceStatus

Parameter	Type	Description
status	Integer	Service status. • 0: normal (The cloud service restores, for example, after being unfrozen.) • 1: frozen (Resources and data are reserved but the cloud service cannot be used.)
spaceCapacity	Integer	Space quota.
userCount	Integer	OrgID user quota.
groupSpaceSize	Integer	Default size of the team space. 0 indicates that no space is enabled.
personalSpaceSize	Integer	Default size of the individual space. 0 indicates that no space is enabled.
organizationName	String	Organization name.
organizationId	String	Organization ID.
rootDeptCode	String	Root department code generated after the organization is created in OrgID.
tenantId	String	Tenant ID.
departmentSpaceSize	Integer	Default size of the department space. 0 indicates that no space is enabled.
aiAvailable	Boolean	Whether AI is enabled.
wpsAvailable	Boolean	Whether WPS is enabled.
productType	String	Product type.

Parameter	Type	Description
manualAuditOpen	String	Manual review switch.
publicShareFlag	String	Sharing switch.
aiFlag	String	AI switch.
telcomFlag	String	South Africa AIS switch

Example Requests

Request for obtaining the subscription status of the management console service.

```
GET /koodrive/ose/v1/service
```

```
Authorization:Bearer+10f88d*****4791e9ff
```

Example Responses

Status code: 200

Service status.

```
{
  "data": {
    "tenantId": "40086000004871666",
    "status": 0,
    "spaceCapacity": 10000,
    "userCount": 7000,
    "personalSpaceSize": 0,
    "groupSpaceSize": 10,
    "organizationName": "KooDrive",
    "organizationId": "9190086000001210958",
    "rootDeptCode": "aed8a3763f9b4177beb2dd8bce1a3885",
    "departmentSpaceSize": 0,
    "productType": "2",
    "wpsAvailable": true,
    "aiAvailable": true
  },
  "code": 0,
  "msg": "Successful"
}
```

Status Codes

Status Code	Description
200	Service status.

4.6.2 Querying Service Usage

Function

Query service usage (space and OrgID user quotas).

URI

GET /koodrive/ose/v1/service/quotaUsed

Request Parameters

Table 4-171 Request header parameters

Parameter	Mandatory	Type	Description
Authorization	No	String	Access token. Token authentication is used to call KooDrive APIs. A token indicates the permissions. When an API is called, the token is added to the request header to obtain the operation permissions. For details about how to obtain an access token, see the corresponding developer guide. The format is Bearer +{access_token}.
X-Traceid	No	String	Message log trace ID. The value contains 58 bits.
X-User-Id	Yes	String	User ID, which is used for app authentication.
X-Date	Yes	String	Date, which is used for app authentication.
Host	Yes	String	Address, which is used for app authentication.

Response Parameters

Status code: 200

Table 4-172 Response body parameters

Parameter	Type	Description
code	Integer	Response code.
msg	String	Response message.
data	data object	Current service usage.

Table 4-173 data

Parameter	Type	Description
spaceQuotaUsed	Integer	Used space quota.
userCount	Integer	Number of created OrgID users.
spaceCapacity	Integer	Total space capacity subscribed by the tenant, in GB.
userMaxCount	Integer	User quantity subscribed by the tenant.
spaceUsed	Integer	Used space.
deptSpaceQuota	Integer	Department space quota.
personalSpaceQuota	Integer	Individual space quota.
groupSpaceQuota	Integer	Group space quota.
reservedSpaceQuota	Integer	Reserved space quota.
deptSpaceUsed	Integer	Used department space.
deptSpaceQuotaUsed	Integer	Used department space quota.
personalSpaceUsed	Integer	Used individual space.
personalSpaceQuotaUsed	Integer	Used individual space quota.
groupSpaceUsed	Integer	Used group space.
groupSpaceQuotaUsed	Integer	Used group space quota.
packageDownloadExpires	Integer	Expiration time of package download.
productType	String	Product type.

Example Requests

Query the current service usage.

```
GET /koodrive/ose/v1/service/quotaUsed
```

```
Authorization:Bearer+10f88d*****4791e9f
```

Example Responses

Status code: 200

Response for querying service usage.

```
{
  "data": {
    "spaceUsed": 7753298,
    "spaceCapacity": 10240,
    "deptSpaceQuota": 6144,
    "personalSpaceQuota": 2048,
    "groupSpaceQuota": 2048,
    "reservedSpaceQuota": 0,
    "spaceQuotaUsed": 327,
    "deptSpaceUsed": 1975057,
    "deptSpaceQuotaUsed": 42,
    "personalSpaceUsed": 3933426,
    "personalSpaceQuotaUsed": 35,
    "groupSpaceUsed": 1844815,
    "groupSpaceQuotaUsed": 250,
    "userCount": 20,
    "userMaxCount": 100,
    "packageDownloadExpires": 7,
    "productType": "1"
  },
  "code": 0,
  "msg": "success"
}
```

Status Codes

Status Code	Description
200	Response for querying service usage.

4.7 Enterprise Settings

4.7.1 Setting the Expiration Time of a Compressed Package

Function

Set the expiration time of a compressed package generated during package download.

URI

POST /koodrive/ose/v1/org/package

Request Parameters

Table 4-174 Request header parameters

Parameter	Mandatory	Type	Description
X-Traceid	No	String	Message log trace ID. The value contains 58 bits.

Parameter	Mandatory	Type	Description
language	No	String	Language code, which complies with the internationalization specifications. For example, en_us indicates English (United States).
Authorization	Yes	String	Access token. Token authentication is used to call KooDrive APIs. A token indicates the permission. When an API is called, the token is added to the request header to obtain the operation permission. For details about how to obtain an access token, see the corresponding developer guide. The format is Bearer + <i>{access_token}</i> .
X-User-Id	Yes	String	User ID, which is used for app authentication.
X-Date	Yes	String	Date, which is used for app authentication.
Host	Yes	String	Address, which is used for app authentication.

Table 4-175 Request body parameters

Parameter	Mandatory	Type	Description
tenantId	No	String	Tenant ID.
packageDownloadExpires	Yes	Integer	Time for invalidating and deleting the temporary package generated during package download. Default value: 7. Value range: [1, 30].

Response Parameters

Status code: 200

Table 4-176 Response body parameters

Parameter	Type	Description
code	Integer	Error code.
msg	String	Error message.

Example Requests

Set the expiration time of a compressed package generated during package download.

```
POST /koodrive/ose/v1/org/package
{
  "packageDownloadExpires" : 6
}
```

Example Responses

Status code: 200

Result of setting the expiration time of a compressed package generated during package download.

```
{
  "code" : 0,
  "msg" : "Success."
}
```

Status Codes

Status Code	Description
200	Result of setting the expiration time of a compressed package generated during package download.

4.8 Other APIs

4.8.1 Obtain the JavaScript SDK.

Function

Obtain the JavaScript SDK.

URI

GET /koodrive/ose/v1/sdk/get-js-sdk-info

Request Parameters

Table 4-177 Request header parameters

Parameter	Mandatory	Type	Description
Authorization	Yes	String	Access token. Token authentication is used to call KooDrive APIs. A token indicates the permission. When an API is called, the token is added to the request header to obtain the operation permission. For details about how to obtain an access token, see the corresponding developer guide. The format is Bearer+{access_token} .
X-Traceid	No	String	Message log trace ID. The value contains 58 bits.

Response Parameters

Status code: 200

Table 4-178 Response body parameters

Parameter	Type	Description
code	Integer	Response code.
msg	String	Response information.
data	JsSdkData object	JavaScript SDK information.

Table 4-179 JsSdkData

Parameter	Type	Description
page_token_key	String	Parameter returned by the backend API.
page_token	String	Parameter returned by the backend API.
js_sdk_url	String	JavaScript SDK address.
retry_js_sdk_url	String	JavaScript SDK address.
transaction_id	String	Transaction ID.

Parameter	Type	Description
orgid_config	String	Parameter returned by the backend API. The value must be a JSON string. sdk_auth_code can be used only once. The backend must obtain it again for each initialization.

Example Requests

Obtain the JavaScript SDK.

```
GET /koodrive/ose/sdk/get-js-sdk-info
```

```
Authorization:Bearer+10f88*****4791e9f
```

Example Responses

Status code: 200

Obtain the JavaScript SDK response.

```
{
  "data": {
    "page_token_key": "1724663471194",
    "page_token": "752*****2aa",
    "js_sdk_url": "https://orgid-beta.ulanhqab.huawei.com/orgid/console-web/jssdk/jssdk.umd.js",
    "retry_js_sdk_url": "https://orgid-beta.ulanhqab.huawei.com/orgid/console-web/jssdk/jssdk.umd.js",
    "transaction_id": "1724663471194",
    "orgid_config": "{\"sdk_auth_code\":\"043*****5e1\", \"organization_source\":\"HUAWEI_ID\"}"
  },
  "code": 0,
  "msg": "Successful."
}
```

Status Codes

Status Code	Description
200	Obtain the JavaScript SDK response.

4.9 Permissions Templates

4.9.1 Creating a Permissions Template

Function

Create a permissions template.

URI

POST /koodrive/ose/v1/permission/template/create

Request Parameters

Table 4-180 Request header parameters

Parameter	Mandatory	Type	Description
Authorization	Yes	String	The format is Bearer {app_access_token} . The application-level token needs to be passed for calling by an application server. The token is obtained by calling an API using clientid and clientSecret obtained during application creation.
X-User-Id	Yes	String	User ID, which is used for app authentication.
X-Date	Yes	String	Date, which is used for app authentication.
Host	No	String	Address, which is used for app authentication.

Table 4-181 Request body parameters

Parameter	Mandatory	Type	Description
name	Yes	String	Permissions template name. The value contains up to 24 characters. Letters and digits are allowed.
description	No	String	Permissions template description. The value contains up to 50 characters.
type	Yes	Integer	Permissions template type. 0 : preset; 1 : custom.
company	Yes	String	Enterprise to which the permissions template belongs. The value can be an organization ID or an application ID.

Parameter	Mandatory	Type	Description
capabilities	Yes	Capabilities object	Permissions values. The value of ControlService needs to be converted into the decimal value of the final permissions and saved to the database.

Table 4-182 Capabilities

Parameter	Mandatory	Type	Description
addChildNodePermission	Yes	Boolean	Permission to create a file or folder. The value true indicates that the permission is granted, and the value false indicates that the permission is not granted.
copyPermission	Yes	Boolean	Copy permission. The value true indicates that the permission is granted, and the value false indicates that the permission is not granted.
deletePermission	Yes	Boolean	Delete permission. The value true indicates that the permission is granted, and the value false indicates that the permission is not granted.
downloadPermission	Yes	Boolean	Download permission. The value true indicates that the permission is granted, and the value false indicates that the permission is not granted.
editPermission	Yes	Boolean	Edit permissions. true : granted; false : not granted (editing is not supported.)
listChildNodePermission	Yes	Boolean	Permission to view the list. The value true indicates that the permission is granted, and the value false indicates that the permission is not granted.
removeChildNodePermission	Yes	Boolean	Move permission. The value true indicates that the permission is granted, and the value false indicates that the permission is not granted.

Parameter	Mandatory	Type	Description
renameFilePermission	Yes	Boolean	Rename permission. The value true indicates that the permission is granted, and the value false indicates that the permission is not granted.
shareFilePermission	Yes	Boolean	Share permission. The value true indicates that the permission is granted, and the value false indicates that the permission is not granted.
uploadPermission	Yes	Boolean	Upload permission. The value true indicates that the permission is granted, and the value false indicates that the permission is not granted.
viewPermission	Yes	Boolean	Preview permission. The value true indicates that the permission is granted, and the value false indicates that the permission is not granted.

Response Parameters

Status code: 200

Table 4-183 Response body parameters

Parameter	Type	Description
code	Integer	Response code.
msg	String	Response message.
data	PermissionTemplate object	Permissions template information.

Table 4-184 PermissionTemplate

Parameter	Type	Description
id	String	Unique ID of a permissions template.
name	String	Permissions template name.
description	String	Permissions template description.

Parameter	Type	Description
templateType	Integer	Permissions template type. 0 : preset; 1 : custom.
status	Integer	Permissions template status. 0 : disabled; 1 : enabled.
company	String	Enterprise to which the permissions template belongs. The value can be an organization ID or an application ID.
createTime	String	Time when the permissions template is created.
updateTime	String	Time when the permissions template is updated.
capabilities	Capabilities object	Permissions value.

Table 4-185 Capabilities

Parameter	Type	Description
addChildNodePermission	Boolean	Permission to create a file or folder. The value true indicates that the permission is granted, and the value false indicates that the permission is not granted.
copyPermission	Boolean	Copy permission. The value true indicates that the permission is granted, and the value false indicates that the permission is not granted.
deletePermission	Boolean	Delete permission. The value true indicates that the permission is granted, and the value false indicates that the permission is not granted.
downloadPermission	Boolean	Download permission. The value true indicates that the permission is granted, and the value false indicates that the permission is not granted.
editPermission	Boolean	Edit permissions. true : granted; false : not granted (editing is not supported.)
listChildNodePermission	Boolean	Permission to view the list. The value true indicates that the permission is granted, and the value false indicates that the permission is not granted.

Parameter	Type	Description
removeChildNode Permission	Boolean	Move permission. The value true indicates that the permission is granted, and the value false indicates that the permission is not granted.
renameFilePermission	Boolean	Rename permission. The value true indicates that the permission is granted, and the value false indicates that the permission is not granted.
shareFilePermission	Boolean	Share permission. The value true indicates that the permission is granted, and the value false indicates that the permission is not granted.
uploadPermission	Boolean	Upload permission. The value true indicates that the permission is granted, and the value false indicates that the permission is not granted.
viewPermission	Boolean	Preview permission. The value true indicates that the permission is granted, and the value false indicates that the permission is not granted.

Example Requests

```
/koodrive/ose/v1/permission/template/create
```

```
{
  "company" : "*****",
  "name" : "*****",
  "templateType" : 1,
  "description" : "",
  "capabilities" : {
    "listChildNodePermission" : true,
    "viewPermission" : false,
    "editPermission" : false,
    "uploadPermission" : false,
    "downloadPermission" : false,
    "shareFilePermission" : false,
    "removeChildNodePermission" : false,
    "copyPermission" : false,
    "renameFilePermission" : false,
    "deletePermission" : false,
    "addChildNodePermission" : false
  }
}
```

Example Responses

Status code: 200

Response body for creating a template.

```
{
  "data" : {
```

```
{
  "id": "1590*****52215169",
  "name": "*****",
  "description": "",
  "templateType": 1,
  "status": 0,
  "company": "*****",
  "createTime": "2025-01-03T07:56:29.450Z",
  "updateTime": "2025-01-03T07:56:29.450Z",
  "capabilities": {
    "addChildNodePermission": false,
    "copyPermission": false,
    "deletePermission": false,
    "downloadPermission": false,
    "editPermission": false,
    "listChildNodePermission": true,
    "removeChildNodePermission": false,
    "renameFilePermission": false,
    "shareFilePermission": false,
    "uploadPermission": false,
    "viewPermission": false
  },
  "code": 0,
  "msg": "Successful."
}
```

Status Codes

Status Code	Description
200	Response body for creating a template.

4.9.2 Editing a Permissions Template

Function

Edit a permissions template.

URI

POST /koodrive/ose/v1/permission/template/edit

Request Parameters

Table 4-186 Request header parameters

Parameter	Mandatory	Type	Description
Authorization	Yes	String	The format is Bearer <i>{app_access_token}</i> . The application-level token needs to be passed for calling by an application server. The token is obtained by calling an API using clientid and clientSecret obtained during application creation.
X-User-Id	Yes	String	User ID, which is used for app authentication.
X-Date	Yes	String	Date, which is used for app authentication.
Host	No	String	Address, which is used for app authentication.

Table 4-187 Request body parameters

Parameter	Mandatory	Type	Description
id	Yes	Long	Template ID.
name	Yes	String	Template name.
description	No	String	Description.
capabilities	No	Capabilities object	Permissions.

Table 4-188 Capabilities

Parameter	Mandatory	Type	Description
addChildNode Permission	Yes	Boolean	Permission to create a file or folder. The value true indicates that the permission is granted, and the value false indicates that the permission is not granted.

Parameter	Mandatory	Type	Description
copyPermission	Yes	Boolean	Copy permission. The value true indicates that the permission is granted, and the value false indicates that the permission is not granted.
deletePermission	Yes	Boolean	Delete permission. The value true indicates that the permission is granted, and the value false indicates that the permission is not granted.
downloadPermission	Yes	Boolean	Download permission. The value true indicates that the permission is granted, and the value false indicates that the permission is not granted.
editPermission	Yes	Boolean	Edit permissions. true : granted; false : not granted (editing is not supported.)
listChildNodePermission	Yes	Boolean	Permission to view the list. The value true indicates that the permission is granted, and the value false indicates that the permission is not granted.
removeChildNodePermission	Yes	Boolean	Move permission. The value true indicates that the permission is granted, and the value false indicates that the permission is not granted.
renameFilePermission	Yes	Boolean	Rename permission. The value true indicates that the permission is granted, and the value false indicates that the permission is not granted.
shareFilePermission	Yes	Boolean	Share permission. The value true indicates that the permission is granted, and the value false indicates that the permission is not granted.
uploadPermission	Yes	Boolean	Upload permission. The value true indicates that the permission is granted, and the value false indicates that the permission is not granted.

Parameter	Mandatory	Type	Description
viewPermission	Yes	Boolean	Preview permission. The value true indicates that the permission is granted, and the value false indicates that the permission is not granted.

Response Parameters

Status code: 200

Table 4-189 Response body parameters

Parameter	Type	Description
code	Integer	Response code.
msg	String	Response information.

Example Requests

```
/koodrive/ose/v1/permission/template/edit
```

```
{
  "id" : "1590*****215169",
  "name" : "****",
  "description" : "s",
  "capabilities" : {
    "listChildNodePermission" : true,
    "viewPermission" : false,
    "editPermission" : false,
    "uploadPermission" : false,
    "downloadPermission" : false,
    "shareFilePermission" : false,
    "removeChildNodePermission" : false,
    "copyPermission" : false,
    "renameFilePermission" : false,
    "deletePermission" : false,
    "addChildNodePermission" : false
  }
}
```

Example Responses

Status code: 200

Response body for editing a permissions template.

```
{
  "code" : 0,
  "msg" : "Successful."
}
```

Status Codes

Status Code	Description
200	Response body for editing a permissions template.

4.9.3 Modifying the Status of Permissions Templates

Function

Modify the status of permissions templates in batches.

URI

POST /koodrive/ose/v1/permission/template/status/modify

Request Parameters

Table 4-190 Request header parameters

Parameter	Mandatory	Type	Description
Authorization	Yes	String	The format is Bearer {app_access_token} . The application-level token needs to be passed for calling by an application server. The token is obtained by calling an API using clientid and clientSecret obtained during application creation.
X-User-Id	Yes	String	User ID, which is used for app authentication.
X-Date	Yes	String	Date, which is used for app authentication.
Host	No	String	Address, which is used for app authentication.

Table 4-191 Request body parameters

Parameter	Mandatory	Type	Description
id	Yes	Long	Unique ID of a permissions template.

Parameter	Mandatory	Type	Description
status	Yes	Integer	Permissions template status. 0 : disabled; 1 : enabled.

Response Parameters

Status code: 200

Table 4-192 Response body parameters

Parameter	Type	Description
code	String	Error code.
msg	String	Error message.

Example Requests

```
/koodrive/ose/v1/permission/template/status/modify  
  
{  
  "id" : "15906*****52928",  
  "status" : 1  
}
```

Example Responses

Status code: 200

Response body for modifying the status of permissions templates.

```
{  
  "code" : 0,  
  "msg" : "Successful."  
}
```

Status Codes

Status Code	Description
200	Response body for modifying the status of permissions templates.

4.9.4 Deleting Permissions Templates in Batches

Function

Delete permissions templates in batches.

URI

POST /koodrive/ose/v1/permission/template/delete

Request Parameters

Table 4-193 Request header parameters

Parameter	Mandatory	Type	Description
Authorization	Yes	String	The format is Bearer <i>{app_access_token}</i> . The application-level token needs to be passed for calling by an application server. The token is obtained by calling an API using clientid and clientSecret obtained during application creation.
X-User-Id	Yes	String	User ID, which is used for app authentication.
X-Date	Yes	String	Date, which is used for app authentication.
Host	No	String	Address, which is used for app authentication.

Table 4-194 Request body parameters

Parameter	Mandatory	Type	Description
ids	Yes	Array of longs	Permissions template ID list. 1 ≤ size ≤ 100

Response Parameters

Status code: 200

Table 4-195 Response body parameters

Parameter	Type	Description
code	String	Error code.
msg	String	Error message.

Example Requests

```
/koodrive/ose/v1/permission/template/delete  
  
{  
  "ids" : [ "1590626552448551681" ]  
}
```

Example Responses

Status code: 200

Response body.

```
{  
  "code" : 0,  
  "msg" : "Successful."  
}
```

Status Codes

Status Code	Description
200	Response body.

4.9.5 Querying Permissions Template Details Based on the Permissions Template ID Array

Function

Query permissions template details based on the permissions template ID array.

URI

POST /koodrive/ose/v1/permission/template/batchGet

Request Parameters

Table 4-196 Request header parameters

Parameter	Mandatory	Type	Description
Authorization	Yes	String	The format is Bearer <i>{app_access_token}</i> . The application-level token needs to be passed for calling by an application server. The token is obtained by calling an API using clientid and clientSecret obtained during application creation.

Parameter	Mandatory	Type	Description
X-User-Id	Yes	String	User ID, which is used for app authentication.
X-Date	Yes	String	Date, which is used for app authentication.
Host	No	String	Address, which is used for app authentication.

Table 4-197 Request body parameters

Parameter	Mandatory	Type	Description
ids	Yes	Array of longs	Permissions template ID array. $1 \leq \text{size} \leq 200$. The validity of each ID is verified, for example, whether the ID exists.

Response Parameters

Status code: 200

Table 4-198 Response body parameters

Parameter	Type	Description
code	Integer	Response code.
msg	String	Response information.
data	Array of PermissionTemplate objects	Permissions template information list.

Table 4-199 PermissionTemplate

Parameter	Type	Description
id	String	Unique ID of a permissions template.
name	String	Permissions template name.
description	String	Permissions template description.
templateType	Integer	Permissions template type. 0 : preset; 1 : custom.

Parameter	Type	Description
status	Integer	Permissions template status. 0 : disabled; 1 : enabled.
company	String	Enterprise to which the permissions template belongs. The value can be an organization ID or an application ID.
createTime	String	Time when the permissions template is created.
updateTime	String	Time when the permissions template is updated.
capabilities	Capabilities object	Permissions value.

Table 4-200 Capabilities

Parameter	Type	Description
addChildNodePermission	Boolean	Permission to create a file or folder. The value true indicates that the permission is granted, and the value false indicates that the permission is not granted.
copyPermission	Boolean	Copy permission. The value true indicates that the permission is granted, and the value false indicates that the permission is not granted.
deletePermission	Boolean	Delete permission. The value true indicates that the permission is granted, and the value false indicates that the permission is not granted.
downloadPermission	Boolean	Download permission. The value true indicates that the permission is granted, and the value false indicates that the permission is not granted.
editPermission	Boolean	Edit permissions. true : granted; false : not granted (editing is not supported.)
listChildNodePermission	Boolean	Permission to view the list. The value true indicates that the permission is granted, and the value false indicates that the permission is not granted.

Parameter	Type	Description
removeChildNodePermission	Boolean	Move permission. The value true indicates that the permission is granted, and the value false indicates that the permission is not granted.
renameFilePermission	Boolean	Rename permission. The value true indicates that the permission is granted, and the value false indicates that the permission is not granted.
shareFilePermission	Boolean	Share permission. The value true indicates that the permission is granted, and the value false indicates that the permission is not granted.
uploadPermission	Boolean	Upload permission. The value true indicates that the permission is granted, and the value false indicates that the permission is not granted.
viewPermission	Boolean	Preview permission. The value true indicates that the permission is granted, and the value false indicates that the permission is not granted.

Example Requests

```
/koodrive/ose/v1/permission/template/batchGet
{
  "ids" : [ "1590626552448551681" ]
}
```

Example Responses

Status code: 200
Response body.

```
{
  "data" : [ {
    "id" : "*****",
    "name" : "File List, Preview, Download, and Share",
    "description" : "File list, preview, download, and share.",
    "templateType" : 1,
    "status" : 1,
    "company" : "*****",
    "createTime" : "2024-12-19T07:59:34.032Z",
    "updateTime" : "2024-12-19T07:59:57.786Z",
    "capabilities" : {
      "addChildNodePermission" : false,
      "copyPermission" : false,
      "deletePermission" : false,
      "downloadPermission" : true,
      "editPermission" : false,
      "listChildNodePermission" : true,
      "removeChildNodePermission" : false,
```

```
{
  "renameFilePermission" : false,
  "shareFilePermission" : true,
  "uploadPermission" : false,
  "viewPermission" : true
},
{
  "code" : 0,
  "msg" : "success"
}
```

Status Codes

Status Code	Description
200	Response body.

4.9.6 Listing Permissions Templates by Condition

Function

List permissions templates by condition.

URI

GET /koodrive/ose/v1/permission/template/list

Table 4-201 Query Parameters

Parameter	Mandatory	Type	Description
limit	Yes	Integer	Maximum number of records to be returned. Value range: 1 to 100.
offset	Yes	Integer	Offset. Minimum value: 0.
id	No	Long	Unique ID of a permissions template.
templateType	No	Integer	Permissions template type. 0 : preset; 1 : custom.
status	No	Integer	Permissions template status. 0 : disabled; 1 : enabled.
orderByTime	No	Integer	Sorted by createTime . The value can only be 0 (descending order) or 1 (ascending order).
preBefore	No	Boolean	Whether preset templates are placed on the top or at the bottom.

Request Parameters

Table 4-202 Request header parameters

Parameter	Mandatory	Type	Description
Authorization	Yes	String	The format is Bearer {app_access_token} . The application-level token needs to be passed for calling by an application server. The token is obtained by calling an API using clientid and clientSecret obtained during application creation.
X-User-Id	Yes	String	User ID, which is used for app authentication.
X-Date	Yes	String	Date, which is used for app authentication.
Host	No	String	Address, which is used for app authentication.

Response Parameters

Status code: 200

Table 4-203 Response body parameters

Parameter	Type	Description
code	Integer	Response code.
msg	String	Response information.
data	Array of PermissionTemplate objects	Permissions template information.
total	Integer	Total number of permissions templates (including preset templates) in the current enterprise.

Table 4-204 PermissionTemplate

Parameter	Type	Description
id	String	Unique ID of a permissions template.

Parameter	Type	Description
name	String	Permissions template name.
description	String	Permissions template description.
templateType	Integer	Permissions template type. 0 : preset; 1 : custom.
status	Integer	Permissions template status. 0 : disabled; 1 : enabled.
company	String	Enterprise to which the permissions template belongs. The value can be an organization ID or an application ID.
createTime	String	Time when the permissions template is created.
updateTime	String	Time when the permissions template is updated.
capabilities	Capabilities object	Permissions value.

Table 4-205 Capabilities

Parameter	Type	Description
addChildNodePermission	Boolean	Permission to create a file or folder. The value true indicates that the permission is granted, and the value false indicates that the permission is not granted.
copyPermission	Boolean	Copy permission. The value true indicates that the permission is granted, and the value false indicates that the permission is not granted.
deletePermission	Boolean	Delete permission. The value true indicates that the permission is granted, and the value false indicates that the permission is not granted.
downloadPermission	Boolean	Download permission. The value true indicates that the permission is granted, and the value false indicates that the permission is not granted.
editPermission	Boolean	Edit permissions. true : granted; false : not granted (editing is not supported.)

Parameter	Type	Description
listChildNodePermission	Boolean	Permission to view the list. The value true indicates that the permission is granted, and the value false indicates that the permission is not granted.
removeChildNodePermission	Boolean	Move permission. The value true indicates that the permission is granted, and the value false indicates that the permission is not granted.
renameFilePermission	Boolean	Rename permission. The value true indicates that the permission is granted, and the value false indicates that the permission is not granted.
shareFilePermission	Boolean	Share permission. The value true indicates that the permission is granted, and the value false indicates that the permission is not granted.
uploadPermission	Boolean	Upload permission. The value true indicates that the permission is granted, and the value false indicates that the permission is not granted.
viewPermission	Boolean	Preview permission. The value true indicates that the permission is granted, and the value false indicates that the permission is not granted.

Example Requests

```
/koodrive/cloudfile/v1/permission/template/list?offset=0&limit=20&orderByTime=0&templateType=1
Authorization:Bearer+10f88*****4791e9f
```

Example Responses

Status code: 200

Response body.

```
{
  "total" : 1,
  "data" : [ {
    "id" : "*****",
    "name" : "*****",
    "description" : "",
    "templateType" : 1,
    "status" : 1,
    "company" : "*****",
    "createTime" : "2025-01-03T08:15:14.339Z",
    "updateTime" : "2025-01-03T08:54:47.814Z",
    "capabilities" : {
      "addChildNodePermission" : false,
      "copyPermission" : false,

```

```
{
  "deletePermission" : false,
  "downloadPermission" : false,
  "editPermission" : false,
  "listChildNodePermission" : true,
  "removeChildNodePermission" : false,
  "renameFilePermission" : false,
  "shareFilePermission" : false,
  "uploadPermission" : false,
  "viewPermission" : false
}
},
"code" : 0,
"msg" : "Successful."
}
```

Status Codes

Status Code	Description
200	Response body.

4.9.7 Adding or Modifying the Association Relationship of the Initial Member Permissions

Function

Add or modify the association relationship with the initial member permissions. If an association relationship does not exist in the table, it will be added. If it exists in the table, it will be modified.

URI

POST /koodrive/ose/v1/permission/member/initial

Request Parameters

Table 4-206 Request header parameters

Parameter	Mandatory	Type	Description
Authorization	Yes	String	The format is Bearer <i>{app_access_token}</i> . The application-level token needs to be passed for calling by an application server. The token is obtained by calling an API using clientid and clientSecret obtained during application creation.
X-User-Id	Yes	String	User ID, which is used for app authentication.

Parameter	Mandatory	Type	Description
X-Date	Yes	String	Date, which is used for app authentication.
Host	No	String	Address, which is used for app authentication.

Table 4-207 Request body parameters

Parameter	Mandatory	Type	Description
spaceId	Yes	Long	Group or department ID.
templateId	Yes	String	Permissions template ID. For an anonymous template, the value is -1 .
capabilities	No	Capabilities object	This field is required for an anonymous template, but it is optional for a named template.

Table 4-208 Capabilities

Parameter	Mandatory	Type	Description
addChildNodePermission	Yes	Boolean	Permission to create a file or folder. The value true indicates that the permission is granted, and the value false indicates that the permission is not granted.
copyPermission	Yes	Boolean	Copy permission. The value true indicates that the permission is granted, and the value false indicates that the permission is not granted.
deletePermission	Yes	Boolean	Delete permission. The value true indicates that the permission is granted, and the value false indicates that the permission is not granted.
downloadPermission	Yes	Boolean	Download permission. The value true indicates that the permission is granted, and the value false indicates that the permission is not granted.

Parameter	Mandatory	Type	Description
editPermission	Yes	Boolean	Edit permissions. true : granted; false : not granted (editing is not supported.)
listChildNodePermission	Yes	Boolean	Permission to view the list. The value true indicates that the permission is granted, and the value false indicates that the permission is not granted.
removeChildNodePermission	Yes	Boolean	Move permission. The value true indicates that the permission is granted, and the value false indicates that the permission is not granted.
renameFilePermission	Yes	Boolean	Rename permission. The value true indicates that the permission is granted, and the value false indicates that the permission is not granted.
shareFilePermission	Yes	Boolean	Share permission. The value true indicates that the permission is granted, and the value false indicates that the permission is not granted.
uploadPermission	Yes	Boolean	Upload permission. The value true indicates that the permission is granted, and the value false indicates that the permission is not granted.
viewPermission	Yes	Boolean	Preview permission. The value true indicates that the permission is granted, and the value false indicates that the permission is not granted.

Response Parameters

Status code: 200

Table 4-209 Response body parameters

Parameter	Type	Description
code	String	Error code.
msg	String	Error message.

Example Requests

```
/koodrive/ose/v1/permission/member/initial

{
  "spaceId" : "*****",
  "templateId" : "*****",
  "capabilities" : {
    "addChildNodePermission" : false,
    "copyPermission" : false,
    "deletePermission" : false,
    "downloadPermission" : true,
    "editPermission" : false,
    "listChildNodePermission" : true,
    "removeChildNodePermission" : false,
    "renameFilePermission" : false,
    "shareFilePermission" : false,
    "uploadPermission" : false,
    "viewPermission" : true
  }
}
```

Example Responses

Status code: 200

Response body.

```
{
  "code" : 0,
  "msg" : "success"
}
```

Status Codes

Status Code	Description
200	Response body.

4.9.8 Querying Whether a Permissions Template Is Used

Function

Query whether a permissions template is used.

URI

GET /koodrive/ose/v1/permission/template/ref/{id}

Table 4-210 Path Parameters

Parameter	Mandatory	Type	Description
id	Yes	Long	Permissions template ID.

Request Parameters

Table 4-211 Request header parameters

Parameter	Mandatory	Type	Description
Authorization	Yes	String	The format is Bearer <i>{app_access_token}</i> . The application-level token needs to be passed for calling by an application server. The token is obtained by calling an API using clientid and clientSecret obtained during application creation.
X-User-Id	Yes	String	User ID, which is used for app authentication.
X-Date	Yes	String	Date, which is used for app authentication.
Host	No	String	Address, which is used for app authentication.

Response Parameters

Status code: 200

Table 4-212 Response body parameters

Parameter	Type	Description
templateRef	Boolean	Whether the permissions template is used.
code	Integer	Response code.
msg	String	Response information.

Example Requests

```
/koodrive/ose/v1/permission/template/ref/{1*****681}
```

```
Authorization:Bearer+10f88*****4791e9f
```

Example Responses

Status code: 200

Response body for querying whether a permissions template is used.

```
{
  "templateRef" : false,
  "code" : 0,
  "msg" : "Successful."
}
```

Status Codes

Status Code	Description
200	Response body for querying whether a permissions template is used.

4.10 Audit Log Management

4.10.1 Querying Audit Logs

Function

Query audit logs.

URI

POST /koodrive/ose/v1/auditlog

Request Parameters

Table 4-213 Request body parameters

Parameter	Mandatory	Type	Description
operTimeFrom	No	String	Operation start time.
operTimeTo	No	String	Operation end time.
operatorName	No	String	Operator account name.
operations	No	Array of strings	Operation type to be searched for. Multiple operation types can be filtered.

Parameter	Mandatory	Type	Description
excludedOperations	No	Array of strings	Operation types to be excluded. Multiple operation types can be filtered.
operateResult	No	String	Operation result.
operatorIP	No	String	Operator IP address.
pageInfo	No	PageInfo object	Pagination information.
sortInfo	No	SortInfo object	Sorting information.

Table 4-214 PageInfo

Parameter	Mandatory	Type	Description
pageSize	Yes	Integer	Value range: 1 to 100. Default value: 10.
pageNum	Yes	Integer	Page number information.

Table 4-215 SortInfo

Parameter	Mandatory	Type	Description
sortType	No	Integer	Sorting type. 1: operation time (default).
sortDirection	No	Integer	Sorting order. 1: ascending; 2: descending (default).

Response Parameters

Status code: 200

Table 4-216 Response body parameters

Parameter	Type	Description
code	String	Response code.
msg	String	Response message.
total	Integer	Total number of lists.

Parameter	Type	Description
logInfoList	Array of LogInfo objects	Audit log list.

Table 4-217 LogInfo

Parameter	Type	Description
logId	String	Log ID.
tenantId	String	Tenant ID.
operatorName	String	Operator account name.
operatorId	String	Operator ID.
operateTime	String	Operation time.
operation	String	Operation type.
resource	String	Operation object, which is a resource ID.
operateResult	Integer	Operation result.
operatorIP	String	Operator IP address.
message	String	Failure cause.

Example Requests

Example request for querying audit logs by page.

```
http://10.32.45.165:8080/koodrive/ose/v1/auditlog
```

```
{
  "operTimeFrom" : "2025-01-01T00:00:01.000Z",
  "operTimeTo" : "2026-01-01T00:00:01.000Z",
  "operatorName" : "",
  "operations" : [ ],
  "excludedOperations" : [ ],
  "operateResult" : "",
  "operatorIp" : "",
  "pageInfo" : {
    "pageSize" : 10,
    "pageNum" : 0
  },
  "sortInfo" : {
    "sortType" : 1,
    "sortDirection" : 2
  }
}
```

Example Responses

Status code: 200

Response to the request for querying audit logs by page

```
{
  "total" : 184645,
  "logInfoList" : [ {
    "logId" : "1734826883142633601",
    "tenantId" : "ee33a28d0f454801b4532233258822e4",
    "operatorName" : "lrz1209",
    "operatorId" : "1605107125384798848",
    "operateTime" : "2025-07-21T09:58:48.000Z",
    "operation" : "getFile",
    "resource" : "FnNpiVn_Vkqt3sG2mc6lPC4qc419xV-Wr",
    "operateResult" : 0,
    "operatorIP" : "127.0.0.1"
  }, {
    "logId" : "1734826882849032320",
    "tenantId" : "ee33a28d0f454801b4532233258822e4",
    "operatorName" : "lrz1209",
    "operatorId" : "1605107125384798848",
    "operateTime" : "2025-07-21T09:58:33.000Z",
    "operation" : "getFile",
    "resource" : "resource is null",
    "operateResult" : 1,
    "message" : "The maximum size of the thumbnail field is 5.",
    "operatorIP" : "127.0.0.1"
  }, {
    "logId" : "1734826882530265216",
    "tenantId" : "ee33a28d0f454801b4532233258822e4",
    "operatorName" : "lrz1209",
    "operatorId" : "1605107125384798848",
    "operateTime" : "2025-07-21T09:58:25.000Z",
    "operation" : "getFile",
    "resource" : "resource is null",
    "operateResult" : 1,
    "message" : "No permission.",
    "operatorIP" : "127.0.0.1"
  }, {
    "logId" : "1734859178008241024",
    "tenantId" : "ee33a28d0f454801b4532233258822e4",
    "operatorName" : "hid42638091",
    "operatorId" : "1605107117323346560",
    "operateTime" : "2025-07-21T07:35:30.000Z",
    "operation" : "SearchFile",
    "resource" : "1",
    "operateResult" : 0,
    "operatorIP" : "10.69.250.244"
  }, {
    "logId" : "1734859177127437185",
    "tenantId" : "ee33a28d0f454801b4532233258822e4",
    "operatorName" : "hid42638091",
    "operatorId" : "1605107117323346560",
    "operateTime" : "2025-07-21T07:35:29.976Z",
    "operation" : "GetUser",
    "resource" : "1605107117323346560",
    "operateResult" : 0,
    "operatorIP" : "10.69.250.244"
  }, {
    "logId" : "1734859176976442112",
    "tenantId" : "ee33a28d0f454801b4532233258822e4",
    "operatorName" : "hid42638091",
    "operatorId" : "1605107117323346560",
    "operateTime" : "2025-07-21T07:35:29.958Z",
    "operation" : "getSpaceByContainerId",
    "resource" : "1605107117323346560",
    "operateResult" : 0,
    "operatorIP" : "10.69.250.244"
  }, {
    "logId" : "1734859174552134529",
    "tenantId" : "ee33a28d0f454801b4532233258822e4",
    "operatorName" : "hid42638091",
```

```
"operatorId" : "1605107117323346560",
"operateTime" : "2025-07-21T07:35:29.669Z",
"operation" : "GetUser",
"resource" : "1605107117323346560",
"operateResult" : 0,
"operatorIP" : "10.69.250.244"
}, {
  "logId" : "1734859174426305280",
  "tenantId" : "ee33a28d0f454801b4532233258822e4",
  "operatorName" : "hid42638091",
  "operatorId" : "1605107117323346560",
  "operateTime" : "2025-07-21T07:35:29.654Z",
  "operation" : "getSpaceByContainerId",
  "resource" : "1605107117323346560",
  "operateResult" : 0,
  "operatorIP" : "10.69.250.244"
}, {
  "logId" : "1734859171641287553",
  "tenantId" : "ee33a28d0f454801b4532233258822e4",
  "operatorName" : "hid42638091",
  "operatorId" : "1605107117323346560",
  "operateTime" : "2025-07-21T07:35:29.322Z",
  "operation" : "GetUser",
  "resource" : "1605107117323346560",
  "operateResult" : 0,
  "operatorIP" : "10.69.250.244"
}, {
  "logId" : "1734859171481903872",
  "tenantId" : "ee33a28d0f454801b4532233258822e4",
  "operatorName" : "hid42638091",
  "operatorId" : "1605107117323346560",
  "operateTime" : "2025-07-21T07:35:29.303Z",
  "operation" : "getSpaceByContainerId",
  "resource" : "1605107117323346560",
  "operateResult" : 0,
  "operatorIP" : "10.69.250.244"
} ],
"code" : 0,
"msg" : "success"
}
```

Status Codes

Status Code	Description
200	Response to the request for querying audit logs by page

4.11 Cloud Decompression

4.11.1 Listing Directories in a Compressed Package

Function

List file directories in a compressed package.

URI

POST /koodrive/ose/v1/archive/listFile

Request Parameters

Table 4-218 Request header parameters

Parameter	Mandatory	Type	Description
Authorization	Yes	String	Access token. Token authentication is used to call KooDrive APIs. A token indicates the permission. When an API is called, the token is added to the request header to obtain the operation permission. For details about how to obtain an access token, see the corresponding developer guide. The format is Bearer +{ <i>access_token</i> }.
X-Traceid	No	String	Service trace ID, which contains 58 bits.
language	No	String	Language code, which complies with the internationalization specifications. For example, en-US indicates English (United States). English (United States) is used by default.
X-User-Id	Yes	String	User ID, which is used for app authentication.
X-Date	Yes	String	Date, which is used for app authentication.
Host	Yes	String	Address, which is used for app authentication.

Table 4-219 Request body parameters

Parameter	Mandatory	Type	Description
containerId	Yes	String	Space ID.
fileId	Yes	String	File ID.
pwd	No	String	Compressed package password.

Response Parameters

Status code: 200

Table 4-220 Response body parameters

Parameter	Type	Description
code	String	Response code.
msg	String	Response message.
data	data object	Response for listing directories in a compressed package.

Table 4-221 data

Parameter	Type	Description
uncompressedFileList	UncompressedFileinfoList object	List of files in the compressed package, including all sub-files and sub-directories. This parameter is returned in synchronous mode.
taskKey	String	Asynchronous task key.
taskValue	Object	Returned in asynchronous mode.
progress	Integer	Task progress, which is a percentage.
taskId	String	Task ID, which is returned in asynchronous mode.

Table 4-222 UncompressedFileinfoList

Parameter	Type	Description
code	String	Error code.
name	String	File name.
type	String	File type. 1: content; 2: directory
updateAt	String	File modification timestamp, in milliseconds.
fileSize	String	Size of a file or folder, in bytes.

Status code: 400

Table 4-223 Response body parameters

Parameter	Type	Description
code	String	Error code.
msg	String	Description.

Example Requests

Lists file directories in a compressed package.

```
POST /ose/v1/archive/listFile
Authorization:Bearer+10f88*****4791e9ff

{
  "containerId": "IAADfsBFCO6WtAtuAe3ab00aac61c45e18b0896269d5efb",
  "fileId": "FvW8fIQFZmz6Fu-lZ-7pKt6wtJISsW0C-",
  "pwd": " "
}
```

Example Responses

Status code: 200

Response for listing directories in a compressed package.

```
{
  "data": {
    "taskId": "1428103989525998336"
  },
  "code": 0,
  "msg": "OK"
}
```

Status Codes

Status Code	Description
200	Response for listing directories in a compressed package.
400	Error response

4.12 Batch Task Operations

4.12.1 Listing Batch Tasks

Function

List batch tasks.

URI

GET /koodrive/ose/v1/jobs

Table 4-224 Query Parameters

Parameter	Mandatory	Type	Description
type	No	Integer	Task type. • 1: batch replication. • 2: batch deletion. • 3: batch relocation. • 4: batch restoration of recycle bin data. • 5: cloud decompression. • 6: package download. • 7: recycle bin clearance. (This function is available only to whitelisted users.)
status	No	Integer	Task status. • 0: to be processed • 1: being processed • 2: completed • 3: canceled
offset	Yes	Integer	Offset. Minimum value: 0.
limit	Yes	Integer	Maximum number of records to be returned. Value range: 1 to 100.

Request Parameters

Table 4-225 Request header parameters

Parameter	Mandatory	Type	Description
Authorization	Yes	String	Access token. Token authentication is used to call KooDrive APIs. A token indicates the permission. When an API is called, the token is added to the request header to obtain the operation permission. For details about how to obtain an access token, see the corresponding developer guide. The format is Bearer +{ <i>access_token</i> }.
X-Traceid	No	String	Message log trace ID. The value contains 58 bits.
language	No	String	Language code, which complies with the internationalization specifications. For example, en-US indicates English (United States). English (United States) is used by default.
X-User-Id	Yes	String	User ID, which is used for app authentication.
X-Date	Yes	String	Date, which is used for app authentication.
Host	Yes	String	Address, which is used for app authentication.

Response Parameters

Status code: 200**Table 4-226** Response body parameters

Parameter	Type	Description
code	String	Response code.
msg	String	Response message.

Parameter	Type	Description
data	Array of JobInfo objects	Batch task list.

Table 4-227 JobInfo

Parameter	Type	Description
taskId	String	Task ID.
taskType	Integer	Task type.
actionType	Integer	Operation type.
status	Integer	Task status. • 0: to be processed • 1: being processed • 2: completed • 3: canceled
taskResultCode	Integer	Task result. • 1: all succeeded • 2: partially failed • 3: all failed
resultCode	Integer	Task result code.
contentNum	Integer	Number of request files.
containerId	String	Target space ID in cross-space scenarios.
tenantId	String	Tenant ID.
beginTime	String	Task start time.
endTime	String	Task end time.
createTime	String	Time creation time.

Status code: 400**Table 4-228** Response body parameters

Parameter	Type	Description
code	String	Response code.
msg	String	Response description.

Status code: 401**Table 4-229** Response body parameters

Parameter	Type	Description
code	String	Response code.
msg	String	Response description.

Status code: 500**Table 4-230** Response body parameters

Parameter	Type	Description
code	String	Response code.
msg	String	Response description.

Example Requests

Request for listing batch tasks.

```
GET /koodrive/ose/v1/jobs?offset=0&limit=2
```

```
Authorization:Bearer+10f88*****5a544791e9ff
```

Example Responses

Status code: 200

Returns the queried task list.

```
{
  "data": [ {
    "taskId": "1320279189273965056",
    "taskType": 2,
    "actionType": 201,
    "status": 2,
    "taskResultCode": 1,
    "contentNum": 1,
    "containerId": "IAADfsBFCO6WtAtuA9add2fea594e4e75b8feb8474ef236",
    "beginTime": "20231227151904",
    "endTime": "20231227151904",
    "createTime": "20231227151904"
  }, {
    "taskId": "1320279092268104960",
    "taskType": 2,
    "actionType": 201,
    "status": 2,
    "taskResultCode": 1,
    "contentNum": 4,
    "containerId": "IAADfsBFCO6WtAtuA9add2fea594e4e75b8feb8474ef236",
    "beginTime": "20231227151852",
    "endTime": "20231227151852",
    "createTime": "20231227151852"
  } ],
}
```

```
"code" : 0,  
"msg" : "OK"  
}
```

Status Codes

Status Code	Description
200	Returns the queried task list.
400	Bad Request
401	Unauthorized
500	Internal Server Error

4.12.2 Creating a Batch Task

Function

Create a batch task.

URI

POST /koodrive/ose/v1/jobs

Request Parameters

Table 4-231 Request header parameters

Parameter	Mandatory	Type	Description
Authorization	Yes	String	Access token. Token authentication is used to call KooDrive APIs. A token indicates the permission. When an API is called, the token is added to the request header to obtain the operation permission. For details about how to obtain an access token, see the corresponding developer guide. The format is Bearer +{ <i>access_token</i> }.
X-User-Id	Yes	String	User ID, which is used for app authentication.
X-Date	Yes	String	Date, which is used for app authentication.

Parameter	Mandatory	Type	Description
Host	Yes	String	Address, which is used for app authentication.
X-Traceid	No	String	Message log trace ID. The value contains 58 bits.
language	No	String	Language code, which complies with the internationalization specifications. For example, en-US indicates English (United States). English (United States) is used by default.

Table 4-232 Request body parameters

Parameter	Mandatory	Type	Description
taskType	Yes	Integer	Task type. • 1: batch replication. • 2: batch deletion. • 3: batch relocation. • 4: batch restoration of recycle bin data. • 5: cloud decompression. • 6: package download. • 7: recycle bin clearance. (This function is available only to whitelisted users.)

Parameter	Mandatory	Type	Description
actionType	No	Integer	Operation type, which is a subdivision of taskType . This parameter is used only when taskType is set to 1 , 2 , or 3 . • 101: replication and dumping. • 201: logical deletion (moved to the recycle bin). • 202: permanent deletion. • 301: common relocation. • 501: compressed package preview. • 502: full decompression. • 503: partial decompression. • 701: recycle bin clearance. (This function is available only to whitelisted users.)
taskInfo	Yes	CreateTaskInfoReq object	Request for creating a batch task.
dstContainerId	Yes	String	Target space ID.
password	No	String	Compressed package password.

Table 4-233 CreateTaskInfoReq

Parameter	Mandatory	Type	Description
fileInfo	Yes	Array of fileInfo objects	File/Directory ID (optional when taskType is set to 7).
newFilePath	No	String	New path of the file (optional when taskType is set to 7).
srcContainerId	Yes	String	Source space ID.
uncompressFilePaths	No	Array of strings	List of full paths of partially decompressed files in the compressed package.

Table 4-234 fileInfo

Parameter	Mandatory	Type	Description
fileId	No	String	File ID (optional for recycle bin clearance).
filePath	No	String	Full path of the file, including the file ID. (This parameter is mandatory for logical deletion, that is, moving the file to the recycle bin, which affects the restoration function.)

Response Parameters

Status code: 200

Table 4-235 Response body parameters

Parameter	Type	Description
code	String	Error code.
msg	String	Error message.
data	String	Task ID.

Status code: 400

Table 4-236 Response body parameters

Parameter	Type	Description
code	String	Response code.
msg	String	Response description.

Status code: 401

Table 4-237 Response body parameters

Parameter	Type	Description
code	String	Response code.
msg	String	Response description.

Status code: 500

Table 4-238 Response body parameters

Parameter	Type	Description
code	String	Response code.
msg	String	Response description.

Example Requests

Request for copying files.

```
POST /koodrive/ose/v1/jobs
Authorization:Bearer+10f88d07fa*****44791e9ff
{
  "taskType":1,
  "actionType":101,
  "dstContainerId": "IAADfsBFCO6WtAtuA315074383680425b8aa9a130cba2d4" ,
  "taskInfo": {
    "srcContainerId": "IAADfsBFCO6WtAtuA315074383680425b8aa9a130cba2d4",
    "newFilePath": "Fm9UdqBNTAQDos6l1xPlFnIqXJg2-UdqA" ,
    "fileInfo": [
      {
        "fileId": "FuZmQ66CF0DdpKRG1Y29Iwajbq04Nhwu3"
      }
    ]
  }
}
```

Example Responses

Status code: 200

Basic response. Only the error code and error information are returned.

```
{
  "data": "1309243162258308352"
  "code": 0,
  "msg": "success"
}
```

Status Codes

Status Code	Description
200	Basic response. Only the error code and error information are returned.
400	Bad Request
401	Unauthorized
500	Internal Server Error

4.12.3 Querying Details About a Batch Task

Function

Query details about a batch task.

URI

GET /koodrive/ose/v1/{job_id}

Table 4-239 Path Parameters

Parameter	Mandatory	Type	Description
job_id	Yes	String	Batch task ID.

Request Parameters

Table 4-240 Request header parameters

Parameter	Mandatory	Type	Description
Authorization	Yes	String	Access token. Token authentication is used to call KooDrive APIs. A token indicates the permission. When an API is called, the token is added to the request header to obtain the operation permission. For details about how to obtain an access token, see the corresponding developer guide. The format is Bearer+{access_token} .
X-User-Id	Yes	String	User ID, which is used for app authentication.
X-Date	Yes	String	Date, which is used for app authentication.
Host	Yes	String	Address, which is used for app authentication.
X-Traceid	No	String	Message log trace ID. The value contains 58 bits.

Parameter	Mandatory	Type	Description
language	No	String	Language code, which complies with the internationalization specifications. For example, en-US indicates English (United States). English (United States) is used by default.

Response Parameters

Status code: 200

Table 4-241 Response body parameters

Parameter	Type	Description
code	String	Response code.
msg	String	Response message.
data	data object	Task details.

Table 4-242 data

Parameter	Type	Description
jobInfo	JobDetailInfo object	Task information.
taskInfos	Array of TaskInfo objects	Task details list.
uncompressedFile List	Array of UncompressedFileInfo objects	Information about files in the compressed package.

Table 4-243 JobDetailInfo

Parameter	Type	Description
taskId	String	Task ID.
taskName	String	Task name.
userId	String	Task creator ID.
taskType	Integer	Task type.

Parameter	Type	Description
actionType	Integer	Operation type.
status	Integer	Task status. • 0: to be processed • 1: being processed • 2: completed • 3: canceled
taskResultCode	Integer	Task result. • 1: all succeeded • 2: partially failed • 3: all failed
resultCode	Integer	Task result code.
progress	Integer	Task progress. This parameter is returned in an asynchronous task, for example, a package download task.
downloadUrl	String	Download link. This parameter is used only when the task type is package download.
contentNum	Integer	Number of request files.
containerId	String	Target space ID in cross-space scenarios.
tenantId	String	Tenant ID.
beginTime	String	Task start time.
endTime	String	Task end time.
createTime	String	Time creation time.

Table 4-244 TaskInfo

Parameter	Type	Description
id	String	Task ID.
fileId	String	File/Directory ID.
filePath	String	Full path of a file or directory, including the file ID.

Parameter	Type	Description
status	String	Task processing status. • 0: pending. • 1: successful. • 2: failed.
newFileId	String	New ID after operation.
newFilePath	String	New path.
srcContainerId	String	Source container ID (source space ID corresponding to fileId). This parameter is mandatory only for batch replication across spaces.
resultCode	String	File operation result code.
resultDesc	String	File operation result description.
tenantId	String	Tenant ID.
createTime	String	Task creation time.

Table 4-245 UncompressedFileInfo

Parameter	Type	Description
containerId	String	Space ID after decompression. This parameter is returned only for decompression.
fileId	String	ID of the decompressed file. This parameter is returned only for decompression.
name	String	Full path of the file or folder in the compressed package.
fileSize	Long	File size, in bytes.
type	Integer	For details, see the definition of fileType . • 1: content. • 2: directory.
updatedAt	Long	Millisecond timestamp of file modification.
subFileList	UncompressedFileInfo object	List of sub-files and sub-directories (expanded only for directories).
reason	String	Failure cause. If the operation is successful, this parameter is null.

Parameter	Type	Description
code	String	Error code.
reservationInfo	Map<String,Object>	Reserved field.

Status code: 400**Table 4-246** Response body parameters

Parameter	Type	Description
code	String	Response code.
msg	String	Response description.

Status code: 401**Table 4-247** Response body parameters

Parameter	Type	Description
code	String	Response code.
msg	String	Response description.

Status code: 500**Table 4-248** Response body parameters

Parameter	Type	Description
code	String	Response code.
msg	String	Response description.

Example Requests

Queries details about a batch task.

```
GET /koodrive/ose/v1/1309243162258308352
```

```
Authorization:Bearer+10f8*****a544791e9ff
```

Example Responses

Status code: 200

Returns queried task details.

```
{
  "data": {
    "jobInfo": {
      "taskId": "1309243162258308352",
      "userId": "40086000004871666-369528171409614001",
      "taskType": 1,
      "actionType": 101,
      "status": 2,
      "progress": 100,
      "taskResultCode": 1,
      "contentNum": 1,
      "containerId": "IAADfsBFCO6WtAtuA315074383680425b8aa9a130cba2d4",
      "tenantId": "40086000004871666",
      "beginTime": "20231212095227",
      "endTime": "20231212095227",
      "createTime": "20231212095227"
    },
    "taskInfos": [ {
      "fileId": "FuZmQ66CF0DdpKRG1Y29lwajbq04Nhwu3",
      "status": "1",
      "newFileId": "FtEXHCpfqHueAHFbEmWZNkqUH_K866MVn",
      "srcContainerId": "IAADfsBFCO6WtAtuA315074383680425b8aa9a130cba2d4"
    } ]
  },
  "code": 0,
  "msg": "OK"
}
```

Status Codes

Status Code	Description
200	Returns queried task details.
400	Bad Request
401	Unauthorized
500	Internal Server Error

4.12.4 Cancelling a Batch Task

Function

Cancel a batch task whose status is **0** (to be processed) or **1** (processing). After the task is canceled, the task scheduling module ignores its record.

URI

POST /koodrive/ose/v1/cancel

Request Parameters

Table 4-249 Request header parameters

Parameter	Mandatory	Type	Description
Authorization	Yes	String	Access token. Token authentication is used to call KooDrive APIs. A token indicates the permission. When an API is called, the token is added to the request header to obtain the operation permission. For details about how to obtain an access token, see the corresponding developer guide. The format is Bearer +{ <i>access_token</i> }.
X-Traceid	No	String	Message log trace ID. The value contains 58 bits.
language	No	String	Language code, which complies with the internationalization specifications. For example, en-US indicates English (United States). English (United States) is used by default.
X-User-Id	Yes	String	User ID, which is used for app authentication.
X-Date	Yes	String	Date, which is used for app authentication.
Host	Yes	String	Address, which is used for app authentication.

Table 4-250 Request body parameters

Parameter	Mandatory	Type	Description
jobId	Yes	String	Task ID.

Response Parameters

Status code: 200

Table 4-251 Response body parameters

Parameter	Type	Description
data	String	Response service information.

Status code: 400**Table 4-252** Response body parameters

Parameter	Type	Description
code	String	Response code.
msg	String	Response description.

Status code: 401**Table 4-253** Response body parameters

Parameter	Type	Description
code	String	Response code.
msg	String	Response description.

Status code: 500**Table 4-254** Response body parameters

Parameter	Type	Description
code	String	Response code.
msg	String	Response description.

Example Requests

Cancels a batch task.

```
POST /koodrive/ose/v1/cancel
Authorization: Bearer+10f*****791e9ff
{
  "jobId": "1289250105886769024"
}
```

Example Responses

Status code: 200

Basic response. Only the error code and error information are returned.

```
{
  "code" : 0,
  "msg" : "OK"
}
```

Status Codes

Status Code	Description
200	Basic response. Only the error code and error information are returned.
400	Bad Request
401	Unauthorized
500	Internal Server Error

4.13 Basic Task Operations

4.13.1 Creating a Task

Function

Create a task (such as a transfer task).

URI

POST /koodrive/ose/v1/task/create

Request Parameters

Table 4-255 Request header parameters

Parameter	Mandatory	Type	Description
Authorization	No	String	Access token. Token authentication is used to call KooDrive APIs. A token indicates the permission. When an API is called, the token is added to the request header to obtain the operation permission. For details about how to obtain an access token, see the corresponding developer guide. The format is Bearer + <i>{access_token}</i> .
language	No	String	Language code, which complies with the internationalization specifications. For example, en-US indicates English (United States). English (United States) is used by default.
X-Traceid	No	String	Message log tracing ID (58 bits).
X-User-Id	Yes	String	User ID, which is used for app authentication.
X-Date	Yes	String	Date, which is used for app authentication.
Host	Yes	String	Address, which is used for app authentication.

Table 4-256 Request body parameters

Parameter	Mandatory	Type	Description
taskType	No	Integer	Task type. 0: transfer and deletion; 1: batch import
srcUserId	No	String	Source user ID. This field is mandatory when taskType is set to 0 .

Parameter	Mandatory	Type	Description
dstUserId	No	String	Target user ID. This field is mandatory when taskType is set to 0 .
resultId	No	String	Result ID. This field is filled when taskType is set to 1 .
orgId	No	String	Organization ID. This field is mandatory when taskType is set to 1 .
orgUserId	No	String	Creator orgUserId. This field is mandatory when taskType is set to 1 .

Response Parameters

Status code: 200

Table 4-257 Response body parameters

Parameter	Type	Description
taskId	String	Task ID.
code	String	Response code.
msg	String	Response information.

Example Requests

Creates a task.

```
POST /koodrive/ose/v1/task/create
```

```
Authorization: Bearer+dsadasd*****4ad83c8f'
```

```
{
  "taskType": 0,
  "srcUserId": "1397687227244555008",
  "dstUserId": "1507947856550550784"
}
```

Example Responses

Status code: 200

Response for creating a task.

```
{
  "taskId" : "1534087020903704704",
  "code" : 0,
  "msg" : "Success."
}
```

Status Codes

Status Code	Description
200	Response for creating a task.

4.13.2 Listing Tasks

Function

List tasks.

URI

GET /koodrive/ose/v1/task/list

Table 4-258 Query Parameters

Parameter	Mandatory	Type	Description
taskType	No	Integer	Task type. 0 : transfer task.
status	No	Array of integers	Task status. 0 : NEW; 1 : EXECUTING; 2 : SUCCESS; 3 : FAILED.
pageSize	No	Integer	Number of records to be returned on each page. Default and maximum value: 100. It is possible that partial or empty result pages are returned before the end of the result list has been reached.
pageCursor	No	Long	Current page cursor, which is obtained from nextCursor of the previous response.

Request Parameters

Table 4-259 Request header parameters

Parameter	Mandatory	Type	Description
Authorization	No	String	Access token. Token authentication is used to call KooDrive APIs. A token indicates the permission. When an API is called, the token is added to the request header to obtain the operation permission. For details about how to obtain an access token, see the corresponding developer guide. The format is Bearer+{access_token} .
language	No	String	Language code, which complies with the internationalization specifications. For example, en-US indicates English (United States). English (United States) is used by default.
X-Traceid	No	String	Message log tracing ID (58 bits).
X-User-Id	Yes	String	User ID, which is used for app authentication.
X-Date	Yes	String	Date, which is used for app authentication.
Host	Yes	String	Address, which is used for app authentication.

Response Parameters

Status code: 200**Table 4-260** Response body parameters

Parameter	Type	Description
taskList	Array of TaskInfo objects	Task list.
code	String	Response code.

Parameter	Type	Description
msg	String	Response information.
nextCursor	String	Pagination cursor. If the cursor does not exist, the last record has been returned.

Table 4-261 TaskInfo

Parameter	Type	Description
taskId	String	Task ID.
taskName	String	Task name.
taskType	Integer	Task type.
tenantId	String	Tenant ID.
userId	String	User ID.
status	Integer	Task status.
initParams	String	Extended field.
locale	String	User country.
resultCode	String	Task result.
createTime	String	Time creation time.
startTime	String	Task start time.
endTime	String	Task end time.

Example Requests

Queries the task list.

```
GTE /koodrive/ose/v1/task/list?taskType=0&status=2&pageSize=10&pageCursor
```

```
Authorization: Bearer+dsadasd*****4ad83c8f'
```

Example Responses

Status code: 200

Response for listing tasks.

```
{
  "taskListDtos" : [ {
    "taskId" : "1486254586942472064",
    "taskName" : "ceshi1111",
    "taskType" : 0,
    "status" : 2,
    "createTime" : "2024-08-12T07:22:33.000Z"
```

```
}, {
  "taskId" : "1486368980720435072",
  "taskName" : "ceshi4",
  "taskType" : 0,
  "status" : 2,
  "createTime" : "2024-08-12T11:09:50.000Z"
}],
"nextCursor" : 1723549107000,
"code" : 0,
"msg" : "Success."
}
```

Status Codes

Status Code	Description
200	Response for listing tasks.

4.13.3 Obtaining Task Details

Function

Obtain task details.

URI

GET /koodrive/ose/v1/task/{task_id}

Table 4-262 Path Parameters

Parameter	Mandatory	Type	Description
task_id	Yes	String	Task ID.

Request Parameters

Table 4-263 Request header parameters

Parameter	Mandatory	Type	Description
Authorization	Yes	String	Access token. Token authentication is used to call KooDrive APIs. A token indicates the permission. When an API is called, the token is added to the request header to obtain the operation permission. For details about how to obtain an access token, see the corresponding developer guide. The format is Bearer +{access_token}.
language	No	String	Language code, which complies with the internationalization specifications. For example, en-US indicates English (United States). English (United States) is used by default.
X-Traceid	No	String	Message log tracing ID (58 bits).
X-User-Id	Yes	String	User ID, which is used for app authentication.
X-Date	Yes	String	Date, which is used for app authentication.
Host	Yes	String	Address, which is used for app authentication.

Response Parameters

Status code: 200**Table 4-264** Response body parameters

Parameter	Type	Description
taskId	String	Task ID.
taskName	String	Task name.
taskType	Integer	Task type. 0 : transfer and deletion.

Parameter	Type	Description
tenantId	String	Tenant ID.
userId	String	Internal user ID.
status	Integer	Task status. 0 : NEW; 1 : EXECUTING; 2 : SUCCESS; 3 : FAILED.
resultCode	String	Result code. <i>18xxxxxx</i> : specific errors. (This parameter is not returned when the task is successful.)
code	String	Response code.
msg	String	Response information.

Example Requests

Obtains task details.

```
GET /koodrive/ose/v1/task/1534087020903704704
```

```
Authorization: Bearer+dsadasd*****4ad83c8f
```

Example Responses

Status code: 200

Response for obtaining task details.

```
{
  "taskId" : "1534087020903704704",
  "taskName" : "lym0412normal",
  "taskType" : 0,
  "tenantId" : "d5ac574bd2934a69baa4f23c55daa8d4",
  "userId" : "1395497048157130881",
  "status" : 3,
  "resultCode" : "18000205",
  "code" : 0,
  "msg" : "Success."
}
```

Status Codes

Status Code	Description
200	Response for obtaining task details.

4.13.4 Obtains the information about the handover recipient.

Function

Obtains the recipient information based on the transferor ID.

URI

GET /koodrive/ose/v1/task/dstUserInfo/{src_user_id}

Table 4-265 Path Parameters

Parameter	Mandatory	Type	Description
src_user_id	Yes	String	ID of the user to be handed over.

Request Parameters

Table 4-266 Request header parameters

Parameter	Mandatory	Type	Description
Authorization	Yes	String	Access token. Token authentication is used to call KooDrive APIs. A token indicates the permission. When an API is called, the token is added to the request header to obtain the operation permission. For details about how to obtain an access token, see the corresponding developer guide. The format is Bearer +{access_token}.
language	No	String	Language code, which complies with the internationalization specifications. For example, en-US indicates English (United States). English (United States) is used by default.
X-Traceid	No	String	Message log tracing ID (58 bits).
X-User-Id	Yes	String	User ID, which is used for app authentication.

Parameter	Mandatory	Type	Description
X-Date	Yes	String	Date, which is used for app authentication.
Host	Yes	String	Address, which is used for app authentication.

Response Parameters

Status code: 200

Table 4-267 Response body parameters

Parameter	Type	Description
code	String	Response code.
msg	String	Response information.
id	String	Recipient ID.
name	String	Recipient username.

Example Requests

Obtains the recipient information.

```
GET /koodrive/ose/v1/task/dstUserInfo/1397687227244555008
```

```
Authorization: Bearer+dsadasd*****4ad83c8f
```

Example Responses

Status code: 200

Response body for obtaining the user information of the handover recipient.

```
{
  "id" : "1507947856550550784",
  "name" : "zujian2",
  "code" : 0,
  "msg" : "Success."
}
```

Status Codes

Status Code	Description
200	Response body for obtaining the user information of the handover recipient.

4.13.5 Queries the task result.

Function

Queries the task result.

URI

GET /koodrive/ose/v1/task/result

Table 4-268 Query Parameters

Parameter	Mandatory	Type	Description
taskId	No	String	Task ID.

Request Parameters

Table 4-269 Request header parameters

Parameter	Mandatory	Type	Description
Authorization	Yes	String	Access token. Token authentication is used to call KooDrive APIs. A token indicates the permission. When an API is called, the token is added to the request header to obtain the operation permission. For details about how to obtain an access token, see the corresponding developer guide. The format is Bearer +{access_token}.
language	No	String	Language code, which complies with the internationalization specifications. For example, en-US indicates English (United States). English (United States) is used by default.
X-Traceid	No	String	Message log tracing ID (58 bits).
X-User-Id	Yes	String	User ID, which is used for app authentication.

Parameter	Mandatory	Type	Description
X-Date	Yes	String	Date, which is used for app authentication.
Host	Yes	String	Address, which is used for app authentication.

Response Parameters

Status code: 200

Table 4-270 Response body parameters

Parameter	Type	Description
data	UserImportResultDto object	Batch user import result.

Table 4-271 UserImportResultDto

Parameter	Type	Description
successCount	Integer	Number of successful records.
failCount	Integer	Number of failed records.
failInfoList	Array of UserImportFailInfo objects	Information about the failure to import users in batches.

Table 4-272 UserImportFailInfo

Parameter	Type	Description
userName	String	Username.
desc	String	Description.

Example Requests

Queries the task result.

```
GET /koodrive/ose/v1/task/result?taskid=1215215
```

```
Authorization: Bearer+dsadasd*****4ad83c8f
```

Example Responses

Status code: 200

Response to the request for querying the task result.

```
{
  "data": {
    "successCount":1
    "failCount":1
    "failInfoList":[
      {"userName":"ss"}
    ]
  },
  "code": 0,
  "msg": "Successful"
}
```

Status Codes

Status Code	Description
200	Response to the request for querying the task result.

4.14 File List Query

4.14.1 Listing Files in the Individual Space

Function

List files in the individual space.

URI

POST /koodrive/ose/v1/files/{type}

Table 4-273 Path Parameters

Parameter	Mandatory	Type	Description
type	Yes	String	• 0: individual space. • 1: individual recycle bin.

Request Parameters

Table 4-274 Request header parameters

Parameter	Mandatory	Type	Description
Authorization	Yes	String	Access token. Token authentication is used to call KooDrive APIs. A token indicates the permission. When an API is called, the token is added to the request header to obtain the operation permission. For details about how to obtain an access token, see the corresponding developer guide. The format is Bearer + <i>{access_token}</i> .
X-User-Id	Yes	String	User ID, which is used for app authentication.
X-Date	Yes	String	Date, which is used for app authentication.
Host	Yes	String	Address, which is used for app authentication.
X-Traceid	No	String	Message log trace ID. The value contains 58 bits.
language	No	String	Language code, which complies with the internationalization specifications. For example, en-US indicates English (United States). English (United States) is used by default.

Table 4-275 Request body parameters

Parameter	Mandatory	Type	Description
pageInfo	No	PageInfo object	Pagination information.
sortInfo	No	FileSortInfo object	Classification information.
containerId	Yes	String	Space ID.

Parameter	Mandatory	Type	Description
parentFileId	Yes	String	Parent directory of the file. • root: root directory of the common file system. • sbox: root directory of the safe file system.
fileType	No	String	File type. • 10: folder. • 11: smart folder (available only to whitelisted users). • 15: image. • 20: video. • 26: Word file. • 27: Excel file. • 28: PowerPoint file. • 30: audio. • 35: compressed file. • 40: application. • 45: other.
imageProcess	No	String	Image operation, which can be used to specify the thumbnail size.
hidden	No	Boolean	Whether hidden files are queried. (This function is available only to whitelisted users.)

Table 4-276 PageInfo

Parameter	Mandatory	Type	Description
pageSize	No	Integer	Number of files on each page. Default value: 100.
pageCursor	No	String	Pagination start cursor.

Table 4-277 FileSortInfo

Parameter	Mandatory	Type	Description
sortType	No	Integer	Sorting field. • 1: by file name. • 2: by file size. • 3: by creation time. • 4: by modification time. • 5: by recycling time (only for recycled files). • 6: by file format.
sortDirection	No	Integer	Sorting order. • 1: ascending. • 2: descending.

Response Parameters

Status code: 200

Table 4-278 Response body parameters

Parameter	Type	Description
category	String	Resource type. The value is fixed to drive#fileList .
nextCursor	String	Pagination cursor. If the cursor does not exist, the last record has been returned.
searchCompleted	Boolean	Whether the search is complete.
files	Array of FileListMetadata objects	File list.
code	String	Response code.
msg	String	Response information.

Table 4-279 FileListMetadata

Parameter	Type	Description
id	String	File ID.

Parameter	Type	Description
fileName	String	File name, which contains up to 250 characters.
fileType	String	File type, which is input externally.
mimeType	String	Content type.
favorite	Boolean	Whether the file is added to favorites.
recycled	Boolean	Whether the file is moved to the recycle bin.
recycledTime	String	Time when the file is moved to the recycle bin. This parameter is returned when the file is recycled.
parentFolder	Array of strings	ID of the parent directory IDs. Currently, only the first ID is used.
properties	Map<String,String>	Common user-defined attributes of the file. The number of key-value pairs cannot exceed 30. A single key-value pair can contain up to 124 characters.
containers	Array of strings	Space ID.
createdTime	String	UTC time when the file is created.
editedTime	String	UTC time when the file is modified.
owners	Array of User objects	Owner.
lastEditor	User object	Last editor.
fileSuffix	String	File name extension, which is the last character string of fullFileExtension .
size	Integer	File size.
attachments	Array of FileListAttachment objects	Attachment.
downloadLinks	Array of downloadLinks objects	Link for downloading FileProxy files.
userProperties	Array of PrivateProperties objects	User attributes.
sha256	String	SHA256 value of the file.
userCapabilities	userCapabilities object	User permissions.

Parameter	Type	Description
hidden	Boolean	Whether it is hidden.
directlyRecycled	Boolean	Whether it is directly deleted.
idPath	String	ID path of the file or folder.

Table 4-280 User

Parameter	Type	Description
category	String	Type. The value is drive#user .
userId	String	Huawei user ID.
displayName	String	Display name of the user.
me	Boolean	Whether you are the user.
permissionId	String	Permission ID.

Table 4-281 FileListAttachment

Parameter	Type	Description
usage	String	Default usage: content or thumbnail . This parameter is customizable.
hash	String	Hash of the resource associated with the asset.
sha256	String	SHA256 of the resource associated with the asset.
asset	FileListAsset object	Asset.

Table 4-282 FileListAsset

Parameter	Type	Description
resource	FileListResource object	Resource.
contentType	String	MIME type

Table 4-283 FileListResource

Parameter	Type	Description
object	FileListSliceObject object	Part object, which is applicable when type is set to 0 or 3 .

Table 4-284 FileListSliceObject

Parameter	Type	Description
id	String	Part ID.
start	Long	Start position of a part, which is not applicable when type is set to 12 .
downloadUrl	EndpointURLMetadata object	Download URL.
image	Array of Images objects	Thumbnail information.

Table 4-285 Images

Parameter	Type	Description
process	String	File resource name.
downloadUrl	EndpointURLMetadata object	URL structure for file upload or download.

Table 4-286 EndpointURLMetadata

Parameter	Type	Description
url	String	URL
method	String	http method

Table 4-287 downloadLinks

Parameter	Type	Description
usage	String	Usage. The value can be thumbnail or content .
downloadLink	String	Image address.

Table 4-288 PrivateProperties

Parameter	Type	Description
attributes	Map<String,Object>	Type attributes (The size of a single attribute is not limited, but the total size cannot exceed 16 KB.)
properties	Map<String,String>	Extended attributes (The size of a single attribute is not limited, but the total size cannot exceed 16 KB.)

Table 4-289 userCapabilities

Parameter	Type	Description
addChildNodePermission	Boolean	Whether the user can add sub-directories or sub-files.
copyPermission	Boolean	Whether the user can copy files.
deletePermission	Boolean	Whether the user can delete files.
downloadPermission	Boolean	Whether the user can download content.
editPermission	Boolean	Whether the user can edit files.
listChildNodePermission	Boolean	Whether the user can list sub-directories or sub-files.
removeChildNodePermission	Boolean	Whether the user can move sub-directories.
renameFilePermission	Boolean	Whether the user can rename files.
shareFilePermission	Boolean	Whether the user can share files.
uploadPermission	Boolean	Whether the user can upload files.
viewPermission	Boolean	Whether the user can preview files.

Status code: 400**Table 4-290** Response body parameters

Parameter	Type	Description
error	Error object	Error message.

Table 4-291 Error

Parameter	Type	Description
errorData	errorData object	Extended data returned to visitors when an exception occurs.
errorDetail	Array of ErrorMsg objects	Error chain.
code	Integer	HTTP status code.
description	String	HTTP status information.

Table 4-292 errorData

Parameter	Type	Description
conflictFileId	String	Conflicting file ID.

Table 4-293 ErrorMsg

Parameter	Type	Description
domain	String	Domain.
reason	String	Error cause.
errorCode	String	Internal system error code. For details, see the error code specifications.
description	String	Error message.
errorPos	String	Error position type.
errorParam	String	Error position.

Example Requests

Lists files in the root directory of individual space

IAADfsBFCO6WtAtuAb7e92cde625843cfb7f4ceba802e0b.

```
POST /koodrive/ose/v1/files/0
```

```
Authorization:Bearer+10f88*****4791e9ff
```

```
{
  "pageInfo": {
    "pageSize": "10",
    "pageCursor": ""
  },
  "sortInfo": {
    "sortType": "",
    "sortDirection": ""
  },
}
```

```
"containerId": "IAADfsBFCO6WtAtuAb7e92cde625843cfb7f4ceba802e0b",
"parentFileId": "root",
"fileType": "",
"fileName": ""
}
```

Example Responses

Status code: 200

Returns the file list.

```
{
  "category": "drive#fileList",
  "nextCursor": "0[9-1-0,11-0-1]
[JzlwMjMtMTItMTNUMDM6MzA6NTkuNTU4Wic=,J0ZpQk02VHhsS2JiSEx4LW54X3FaT2M1bFJBZXEwU0xZeC
c=]",
  "searchCompleted": false,
  "files": [ {
    "id": "Fk0n_l_3nVynllxGSUdLkYILxIZQ5Yyp",
    "fileName": "AI Test",
    "mimeType": "application/vnd.huawei-apps.folder",
    "fileSuffix": "",
    "recycled": false,
    "parentFolder": [ "DEUI7pa0C24ArootIAADfsBFCO6WtAtuAb7e92cde625843cfb7f4ceba802e0b" ],
    "containers": [ "IAADfsBFCO6WtAtuAb7e92cde625843cfb7f4ceba802e0b" ],
    "properties": {
      "srcFileId": "Fuyt9uELO9mny6vLWnWpIDqppRh3vzC3p",
      "createUser": "369528171409614001",
      "lastEditUser": "369528171409614001"
    },
    "owners": [ {
      "category": "drive#user",
      "me": true,
      "permissionId": "1243622029865966464",
      "userId": "NDEzMDA4NjAwMDAwMjc0MTY2NS00MDA4NjAwMDAwNDg3MTY2Ng",
      "displayName": "Tenant Administrator"
    } ],
    "lastEditor": {
      "category": "drive#user",
      "me": true,
      "permissionId": "1243622029865966464",
      "userId": "NDEzMDA4NjAwMDAwMjc0MTY2NS00MDA4NjAwMDAwNDg3MTY2Ng",
      "displayName": "Tenant Administrator"
    },
    "fileType": "10",
    "createdTime": "2023-12-11T09:17:25.529Z",
    "editedTime": "2023-12-11T09:17:25.529Z",
    "favorite": false
  } ],
  "code": 0,
  "msg": "OK"
}
```

Status Codes

Status Code	Description
200	Returns the file list.
400	Bad request

4.14.2 Listing Files in a Group or Department Space

Function

List files in a group or department space.

URI

POST /koodrive/ose/v1/files/{groupId}/{type}

Table 4-294 Path Parameters

Parameter	Mandatory	Type	Description
groupId	Yes	String	Team ID.
type	Yes	String	Type. • 0: team space. • 1: team recycle bin.

Table 4-295 Query Parameters

Parameter	Mandatory	Type	Description
team_type	No	Integer	(Optional) Team type. If this parameter is not carried, the default value 0 is used. 0 : department. 2 : group.

Request Parameters

Table 4-296 Request header parameters

Parameter	Mandatory	Type	Description
Authorization	Yes	String	Access token. Token authentication is used to call KooDrive APIs. A token indicates the permission. When an API is called, the token is added to the request header to obtain the operation permission. For details about how to obtain an access token, see the corresponding developer guide. The format is Bearer +{ <i>access_token</i> }.
X-Traceid	No	String	Message log trace ID. The value contains 58 bits.
language	No	String	Language code, which complies with the internationalization specifications. For example, en-US indicates English (United States). English (United States) is used by default.
X-User-Id	Yes	String	User ID, which is used for app authentication.
X-Date	Yes	String	Date, which is used for app authentication.
Host	Yes	String	Address, which is used for app authentication.

Table 4-297 Request body parameters

Parameter	Mandatory	Type	Description
pageInfo	No	PageInfo object	Pagination information.
sortInfo	No	FileSortInfo object	Classification information.
containerId	Yes	String	Space ID.

Parameter	Mandatory	Type	Description
parentFileId	Yes	String	Parent directory of the file. • root: root directory of the common file system. • sbox: root directory of the safe file system.
fileType	No	String	File type. • 10: folder. • 11: smart folder (available only to whitelisted users). • 15: image. • 20: video. • 26: Word file. • 27: Excel file. • 28: PowerPoint file. • 30: audio. • 35: compressed file. • 40: application. • 45: other.
imageProcess	No	String	Image operation, which can be used to specify the thumbnail size.
hidden	No	Boolean	Whether hidden files are queried. (This function is available only to whitelisted users.)

Table 4-298 PageInfo

Parameter	Mandatory	Type	Description
pageSize	No	Integer	Number of files on each page. Default value: 100.
pageCursor	No	String	Pagination start cursor.

Table 4-299 FileSortInfo

Parameter	Mandatory	Type	Description
sortType	No	Integer	Sorting field. • 1: by file name. • 2: by file size. • 3: by creation time. • 4: by modification time. • 5: by recycling time (only for recycled files). • 6: by file format.
sortDirection	No	Integer	Sorting order. • 1: ascending. • 2: descending.

Response Parameters

Status code: 200

Table 4-300 Response body parameters

Parameter	Type	Description
category	String	Resource type. The value is fixed to drive#fileList .
nextCursor	String	Pagination cursor. If the cursor does not exist, the last record has been returned.
searchCompleted	Boolean	Whether the search is complete.
files	Array of FileListMetadata objects	File list.
code	String	Response code.
msg	String	Response information.

Table 4-301 FileListMetadata

Parameter	Type	Description
id	String	File ID.

Parameter	Type	Description
fileName	String	File name, which contains up to 250 characters.
fileType	String	File type, which is input externally.
mimeType	String	Content type.
favorite	Boolean	Whether the file is added to favorites.
recycled	Boolean	Whether the file is moved to the recycle bin.
recycledTime	String	Time when the file is moved to the recycle bin. This parameter is returned when the file is recycled.
parentFolder	Array of strings	ID of the parent directory IDs. Currently, only the first ID is used.
properties	Map<String,String>	Common user-defined attributes of the file. The number of key-value pairs cannot exceed 30. A single key-value pair can contain up to 124 characters.
containers	Array of strings	Space ID.
createdTime	String	UTC time when the file is created.
editedTime	String	UTC time when the file is modified.
owners	Array of User objects	Owner.
lastEditor	User object	Last editor.
fileSuffix	String	File name extension, which is the last character string of fullFileExtension .
size	Integer	File size.
attachments	Array of FileListAttachment objects	Attachment.
downloadLinks	Array of downloadLinks objects	Link for downloading FileProxy files.
userProperties	Array of PrivateProperties objects	User attributes.
sha256	String	SHA256 value of the file.
userCapabilities	userCapabilities object	User permissions.

Parameter	Type	Description
hidden	Boolean	Whether it is hidden.
directlyRecycled	Boolean	Whether it is directly deleted.
idPath	String	ID path of the file or folder.

Table 4-302 User

Parameter	Type	Description
category	String	Type. The value is drive#user .
userId	String	Huawei user ID.
displayName	String	Display name of the user.
me	Boolean	Whether you are the user.
permissionId	String	Permission ID.

Table 4-303 FileListAttachment

Parameter	Type	Description
usage	String	Default usage: content or thumbnail . This parameter is customizable.
hash	String	Hash of the resource associated with the asset.
sha256	String	SHA256 of the resource associated with the asset.
asset	FileListAsset object	Asset.

Table 4-304 FileListAsset

Parameter	Type	Description
resource	FileListResource object	Resource.
contentType	String	MIME type

Table 4-305 FileListResource

Parameter	Type	Description
object	FileListSliceObject object	Part object, which is applicable when type is set to 0 or 3 .

Table 4-306 FileListSliceObject

Parameter	Type	Description
id	String	Part ID.
start	Long	Start position of a part, which is not applicable when type is set to 12 .
downloadUrl	EndpointURLMetadata object	Download URL.
image	Array of Images objects	Thumbnail information.

Table 4-307 Images

Parameter	Type	Description
process	String	File resource name.
downloadUrl	EndpointURLMetadata object	URL structure for file upload or download.

Table 4-308 EndpointURLMetadata

Parameter	Type	Description
url	String	URL
method	String	http method

Table 4-309 downloadLinks

Parameter	Type	Description
usage	String	Usage. The value can be thumbnail or content .
downloadLink	String	Image address.

Table 4-310 PrivateProperties

Parameter	Type	Description
attributes	Map<String,Object>	Type attributes (The size of a single attribute is not limited, but the total size cannot exceed 16 KB.)
properties	Map<String,String>	Extended attributes (The size of a single attribute is not limited, but the total size cannot exceed 16 KB.)

Table 4-311 userCapabilities

Parameter	Type	Description
addChildNodePermission	Boolean	Whether the user can add sub-directories or sub-files.
copyPermission	Boolean	Whether the user can copy files.
deletePermission	Boolean	Whether the user can delete files.
downloadPermission	Boolean	Whether the user can download content.
editPermission	Boolean	Whether the user can edit files.
listChildNodePermission	Boolean	Whether the user can list sub-directories or sub-files.
removeChildNodePermission	Boolean	Whether the user can move sub-directories.
renameFilePermission	Boolean	Whether the user can rename files.
shareFilePermission	Boolean	Whether the user can share files.
uploadPermission	Boolean	Whether the user can upload files.
viewPermission	Boolean	Whether the user can preview files.

Status code: 400**Table 4-312** Response body parameters

Parameter	Type	Description
error	Error object	Error message.

Table 4-313 Error

Parameter	Type	Description
errorData	errorData object	Extended data returned to visitors when an exception occurs.
errorDetail	Array of ErrorMsg objects	Error chain.
code	Integer	HTTP status code.
description	String	HTTP status information.

Table 4-314 errorData

Parameter	Type	Description
conflictFileId	String	Conflicting file ID.

Table 4-315 ErrorMsg

Parameter	Type	Description
domain	String	Domain.
reason	String	Error cause.
errorCode	String	Internal system error code. For details, see the error code specifications.
description	String	Error message.
errorPos	String	Error position type.
errorParam	String	Error position.

Example Requests

Lists files in the root directory of team space **IAAB_BRGQ-MajA2Waf81df00a3443452aa3dd54e35245bc**.

```
POST /koodrive/ose/v1/files/1269529595850261633/0
```

```
Authorization:Bearer+10f88*****4791e9ff
```

```
{
  "pageInfo": {
    "pageSize": "10",
    "pageCursor": ""
  },
  "sortInfo": {
    "sortType": "",
    "sortDirection": ""
  },
}
```

```
"containerId": "IAAB_BRGQ-MajA2Waf81df00a3443452aa3dd54e35245bc",
"parentFileId": "root",
"fileType": "",
"fileName": ""
}
```

Example Responses

Status code: 200

Returns the queried file list.

```
{
  "category": "drive#fileList",
  "nextCursor": "0[9-1-0,11-0-1]
[JzlwMjMtMTItMTNUMDM6MzA6NTkuNTU4Wic=,J0ZpQk02VHhsS2JiSEx4LW54X3FaT2M1bFJBZXEwU0xZeC
c=]",
  "searchCompleted": false,
  "files": [ {
    "id": "Fk0n_l_3nVynllxGSUdLkYILxIZQ5Yyp",
    "fileName": "AI Test",
    "mimeType": "application/vnd.huawei-apps.folder",
    "fileSuffix": "",
    "recycled": false,
    "parentFolder": [ "DEUI7pa0C24ArootIAADfsBFCO6WtAtuAb7e92cde625843cfb7f4ceba802e0b" ],
    "containers": [ "IAADfsBFCO6WtAtuAb7e92cde625843cfb7f4ceba802e0b" ],
    "properties": {
      "srcFileId": "Fuyt9uELO9mny6vLWnWpIDqppRh3vzC3p",
      "createUser": "369528171409614001",
      "lastEditUser": "369528171409614001"
    },
    "owners": [ {
      "category": "drive#user",
      "me": true,
      "permissionId": "1243622029865966464",
      "userId": "NDEzMDA4NjAwMDAwMjc0MTY2NS00MDA4NjAwMDAwNDg3MTY2Ng",
      "displayName": "Tenant Administrator"
    } ],
    "lastEditor": {
      "category": "drive#user",
      "me": true,
      "permissionId": "1243622029865966464",
      "userId": "NDEzMDA4NjAwMDAwMjc0MTY2NS00MDA4NjAwMDAwNDg3MTY2Ng",
      "displayName": "Tenant Administrator"
    },
    "fileType": "10",
    "createdTime": "2023-12-11T09:17:25.529Z",
    "editedTime": "2023-12-11T09:17:25.529Z",
    "favorite": false
  } ],
  "code": 0,
  "msg": "OK"
}
```

Status Codes

Status Code	Description
200	Returns the queried file list.
400	Bad request

4.15 File Management

4.15.1 Obtaining File Details

Function

Obtain file details, such as the file size, name, and modification time.

URI

POST /koodrive/ose/v1/files/{fileId}/detail

Table 4-316 Path Parameters

Parameter	Mandatory	Type	Description
fileId	Yes	String	File ID.

Request Parameters

Table 4-317 Request header parameters

Parameter	Mandatory	Type	Description
Authorization	Yes	String	Access token. Token authentication is used to call KooDrive APIs. A token indicates the permission. When an API is called, the token is added to the request header to obtain the operation permission. For details about how to obtain an access token, see the corresponding developer guide. The format is Bearer +{access_token}.
X-User-Id	Yes	String	User ID, which is used for app authentication.
X-Date	Yes	String	Date, which is used for app authentication.
Host	Yes	String	Address, which is used for app authentication.
X-Traceid	No	String	Message log trace ID. The value contains 58 bits.

Parameter	Mandatory	Type	Description
language	No	String	Language code, which complies with the internationalization specifications. For example, en-US indicates English (United States). English (United States) is used by default.

Table 4-318 Request body parameters

Parameter	Mandatory	Type	Description
containerId	Yes	String	Space ID.
imageProcess	No	String	Image operation, which can be used to specify the thumbnail size.

Response Parameters

Status code: 200

Table 4-319 Response body parameters

Parameter	Type	Description
id	String	File ID.
fileName	String	File name, which contains up to 250 characters.
fileType	String	File type, which is input externally.
mimeType	String	Content type.
recycled	Boolean	Whether the file is moved to the recycle bin.
parentFolder	Array of strings	ID of the parent directory IDs. Currently, only the first ID is used.
properties	Map<String,String>	Common user-defined attributes of the file. The number of key-value pairs cannot exceed 30. A single key-value pair can contain up to 124 characters.
containers	Array of strings	Space ID.
createdTime	String	UTC time when the file is created.

Parameter	Type	Description
editedTime	String	UTC time when the file is modified.
owners	Array of User objects	Owner.
lastEditor	User object	Last editor.
fileSuffix	String	File name extension, which is the last character string of fullFileExtension .
size	Integer	File size.
attachments	Array of AttachmentMeta data objects	Attachment.
userCapabilities	userCapabilities object	User permissions.
code	String	Response code.
msg	String	Response information.
sha256	String	SHA256 value of the file.
downloadLinks	Map<String, down LoadLinks >	Download link.

Table 4-320 User

Parameter	Type	Description
category	String	Type. The value is drive#user .
userId	String	Huawei user ID.
displayName	String	Display name of the user.
me	Boolean	Whether you are the user.
permissionId	String	Permission ID.

Table 4-321 AttachmentMetadata

Parameter	Type	Description
usage	String	Default usage: content or thumbnail . This parameter is customizable.
hash	String	Hash of the resource associated with the asset.

Parameter	Type	Description
sha256	String	SHA256 of the resource associated with the asset.
asset	AssetMetadata object	Asset.

Table 4-322 AssetMetadata

Parameter	Type	Description
id	String	Asset ID
versionId	String	Asset version ID.
version	Long	Version number.
mimeType	String	MIME type
state	Integer	Data status. • 0: available. • 1: unavailable. • 2: temporary. • 3: retained (flash upload unsupported). • 4: to be cut over.
createdTime	String	UTC time when data is created.
modifiedTime	String	UTC time when data is last modified.
resource	ResourceMetadata object	Resource.
attributes	Map<String, Object>	Type attributes. A key consists of letters and digits and starts with a letter. A value cannot contain emojis. The size of an attribute is not limited, but the total size cannot exceed 16 KB.

Table 4-323 ResourceMetadata

Parameter	Type	Description
id	String	ID of the file resource.
length	Long	Size of the file resource.
sha256	String	SHA256 of the file (used for integrity check).

Parameter	Type	Description
objects	Array of SliceObjectMetadata objects	Part object, which is applicable when type is set to 0 or 3 .

Table 4-324 SliceObjectMetadata

Parameter	Type	Description
id	String	Part ID.
start	Long	Start position of a part, which is not applicable when type is set to 12 .
downloadUrl	EndpointURLMetadata object	Download URL.
images	Map<String, Images >	Thumbnail.

Table 4-325 Images

Parameter	Type	Description
process	String	File resource name.
downloadUrl	EndpointURLMetadata object	URL structure for file upload or download.

Table 4-326 EndpointURLMetadata

Parameter	Type	Description
url	String	URL
method	String	http method

Table 4-327 userCapabilities

Parameter	Type	Description
addChildNodePermission	Boolean	Whether the user can add sub-directories or sub-files.
copyPermission	Boolean	Whether the user can copy files.
deletePermission	Boolean	Whether the user can delete files.

Parameter	Type	Description
downloadPermission	Boolean	Whether the use can download content.
editPermission	Boolean	Whether the user can edit files.
listChildNodePermission	Boolean	Whether the user can list sub-directories or sub-files.
removeChildNodePermission	Boolean	Whether the user can move sub-directories.
renameFilePermission	Boolean	Whether the user can rename files.
shareFilePermission	Boolean	Whether the user can share files.
uploadPermission	Boolean	Whether the user can upload files.
viewPermission	Boolean	Whether the user can preview files.

Table 4-328 downloadLinks

Parameter	Type	Description
usage	String	Usage. The value can be thumbnail or content .
downloadLink	String	Image address.

Example Requests

Checks file details.

```
POST /koodrive/ose/v1/files/FqNZrzGgSKHkfGmwjf7dLgLIgkwrLEU35/detail
Authorization:Bearer+10f88*****4791e9ff
{
  "containerId": "IAADfsBFCO6WtAtuA315074383680425b8aa9a130cba2d4"
}
```

Example Responses

Status code: 200

File details.

```
{
  "id": "FtSCRFXYtFjo315IPfRHeKRiqrDdmm_Y",
  "fileName": "Download_20231213_160540.png",
  "mimeType": "image/png",
  "fileSuffix": "png",
  "recycled": false,
```

```
"size": 81243,
"parentFolder": [
  "DEUI7pa0C24ArootIAADfsBFCO6WtAtuA315074383680425b8aa9a130cba2d4"
],
"containers": [
  "IAADfsBFCO6WtAtuA315074383680425b8aa9a130cba2d4"
],
"properties": {
  "localCreatedAt": "",
  "localUpdatedAt": "",
  "createUser": "369528171409614001",
  "lastEditUser": "369528171409614001"
},
"attachments": [
  {
    "asset": {
      "id": "1310155787561278720",
      "versionId": "1310155787561278721",
      "version": 612304,
      "mimeType": "image/png",
      "state": 0,
      "createdTime": "2023-12-13T08:05:40.655ZVGltZQ==",
      "modifiedTime": "2023-12-13T08:05:40.655ZVGltZQ==",
      "resource": {
        "id": "1275457496273837312",
        "length": 81243,
        "sha256": "f08b00d63f9109fda252e45cc70e2762347907aba7c5dea4de7eb179ddad1ab2",
        "object": {
          "id": "b91e8df8afba4145a310dde1bfb9f8c5086",
          "start": 0,
          "downloadUrl": {
            "url": "https://b10-obs-ykj-uat-01.obs.cidc-rp-2006.joint.cmecloud.cn/b91e8df8afba4145a310dde1bfb9f8c5086?response-content-disposition=attachment%3B%20filename%3D%22%25E4%25B8%258B%25E8%25BD%25BD_20231213_160540.png%22&X-Amz-Algorithm=AWS4-HMAC-SHA256&X-Amz-Date=20231227T073619Z&X-Amz-SignedHeaders=host&X-Amz-Expires=10000&X-Amz-Credential=MKRISPBJAJWFHNB%25WLB%25F20231227%2Fcidc-rp-2006%2Fs3%2Faws4_request&X-Amz-Signature=6fc56f74a9478e088e1e044f453c33f8cc7b403f4478d3aefd923449349373e4",
            "method": "GET"
          }
        }
      }
    },
    "attributes": {
      "fileName": "Download.png",
      "localCreatedAt": "",
      "createdBy": "40086000004871666",
      "resource": {
        "id": "1275457496273837312",
        "object": {
          "bucket": "b10-obs-ykj-uat-01",
          "objectId": "b91e8df8afba4145a310dde1bfb9f8c5086"
        }
      },
      "localUpdatedAt": ""
    }
  },
  {
    "hash": "f08b00d63f9109fda252e45cc70e2762347907aba7c5dea4de7eb179ddad1ab2",
    "usage": "content",
    "sha256": "f08b00d63f9109fda252e45cc70e2762347907aba7c5dea4de7eb179ddad1ab2"
  }
],
"owners": [
  {
    "category": "drive#user",
    "me": true,
    "permissionId": "1243622029865966464",
    "userId": "NDEzMDA4NjAwMDAwMjc0MTY2NS00MDA4NjAwMDAwNDg3MTY2Ng",
    "displayName": "Tenant Administrator"
  }
]
```

```
"lastEditor": {
  "category": "drive#user",
  "me": true,
  "permissionId": "1243622029865966464",
  "userId": "NDEzMDA4NjAwMDAwMjc0MTY2NS00MDA4NjAwMDAwNDg3MTY2Ng",
  "displayName": "Tenant Administrator"
},
"fileType": "15",
"createdTime": "2023-12-13T08:05:40.601ZVGltZQ==",
"editedTime": "2023-12-13T08:05:41.054ZVGltZQ==",
"userCapabilities": {
  "addChildNodePermission": true,
  "copyPermission": true,
  "deletePermission": false,
  "downloadPermission": true,
  "editPermission": true,
  "listChildNodePermission": true,
  "removeChildNodePermission": true,
  "renameFilePermission": true,
  "shareFilePermission": true,
  "uploadPermission": true,
  "viewPermission": true
}
"code": 0,
"msg": "Success."
}
```

Status Codes

Status Code	Description
200	File details.

4.15.2 Adding a File Directory

Function

Add a file directory.

URI

POST /koodrive/ose/v1/directory

Request Parameters

Table 4-329 Request header parameters

Parameter	Mandatory	Type	Description
Authorization	Yes	String	Access token. Token authentication is used to call KooDrive APIs. A token indicates the permission. When an API is called, the token is added to the request header to obtain the operation permission. For details about how to obtain an access token, see the corresponding developer guide. The format is Bearer +{ <i>access_token</i> }.
X-User-Id	Yes	String	User ID, which is used for app authentication.
X-Date	Yes	String	Date, which is used for app authentication.
Host	Yes	String	Address, which is used for app authentication.
X-Traceid	No	String	Message log trace ID. The value contains 58 bits.
language	No	String	Language code, which complies with the internationalization specifications. For example, en-US indicates English (United States). English (United States) is used by default.

Table 4-330 Request body parameters

Parameter	Mandatory	Type	Description
createdTime	No	String	Time when the file is created. Format: yyyy-MM-ddTHH:mm:ss.sssZ
description	No	String	File description. The value contains up to 512 characters and cannot contain invalid characters such as emojis.

Parameter	Mandatory	Type	Description
contentType	No	String	Resource type.
editedTime	No	String	File modification time.
fileName	Yes	String	File name. The value cannot contain the following characters: '<> :"*? /', cannot be '.,', '!', '"', and can contain up to 250 characters.
fileType	Yes	String	File type, which is input externally. The value is fixed at 10 .
parentFolder	No	Array of strings	List of parent directory IDs. The first directory is used as the parent directory. If this parameter is null, the file is created in the root directory.
containerId	Yes	String	Space ID.
renameMode	No	Integer	Duplicate name policy. • 2: Forcibly renames a file with an existing name by adding a timestamp to the end of the file name. • 3: Rejects files with the same name. A file with an existing name cannot be created.
hidden	No	Boolean	Whether the directory is hidden. (This function is available only to whitelisted users.)
smartFolderAttr	No	Array of SmartFolderAttr objects	Smart folder attributes. (This function is available only to whitelisted users.)

Table 4-331 SmartFolderAttr

Parameter	Mandatory	Type	Description
name	No	Integer	Attribute name.
type	No	Integer	Attribute type.
value	No	String	Attribute value.

Parameter	Mandatory	Type	Description
sort	No	Integer	Sorting value.

Response Parameters

Status code: 200

Table 4-332 Response body parameters

Parameter	Type	Description
id	String	File ID.
fileName	String	File name.
mimeType	String	File format.
code	String	Response code.
msg	String	Response information.

Example Requests

Creates a folder in the root directory of the space
IAADfsBFCO6WtAtuA315074383680425b8aa9a130cba2d4.

```
POST /koodrive/ose/v1/directory
```

```
Authorization:Bearer+10f88*****4791e9ff
```

```
{
  "createdTime": "",
  "editedTime": "",
  "description": "222",
  "mimeType": "application/vnd.huawei-apps.folder",
  "fileName": "ttgg",
  "fileType": "10",
  "parentFolder": [
    "root"
  ],
  "containerId": "IAADfsBFCO6WtAtuA315074383680425b8aa9a130cba2d4",
  "renameMode": "2"
}
```

Example Responses

Status code: 200

Information returned after the directory is created.

```
{
  "id" : "FqAHbpps7uJEDpvh2Mbplj7ID4AM2OWMR",
  "fileName" : "ttgg",
  "mimeType" : "application/vnd.huawei-apps.folder",
  "code" : 0,
  "msg" : "success"
}
```

Status Codes

Status Code	Description
200	Information returned after the directory is created.

4.15.3 Creating File Metadata

Function

Create the metadata of the uploaded file. If flash upload is not hit, the upload process is triggered. If flash upload is hit, the file upload is complete.

URI

POST /koodrive/ose/v1/files/create

Request Parameters

Table 4-333 Request header parameters

Parameter	Mandatory	Type	Description
Authorization	Yes	String	Access token. Token authentication is used to call KooDrive APIs. A token indicates the permission. When an API is called, the token is added to the request header to obtain the operation permission. For details about how to obtain an access token, see the corresponding developer guide. The format is Bearer +{access_token}.
X-User-Id	Yes	String	User ID, which is used for app authentication.
X-Date	Yes	String	Date, which is used for app authentication.
Host	Yes	String	Address, which is used for app authentication.
X-Traceid	No	String	Message log trace ID. The value contains 58 bits.

Parameter	Mandatory	Type	Description
language	No	String	Language code, which complies with the internationalization specifications. For example, en-US indicates English (United States). English (United States) is used by default.

Table 4-334 Request body parameters

Parameter	Mandatory	Type	Description
createdTime	No	String	Time when the file is created. The format is yyyy-MM-dd'T'HH:mm:ss'Z', for example, 2023-08-18T05:43:49Z.
description	No	String	File description.
contentType	No	String	Resource type.
fileName	Yes	String	File name, which cannot contain the following characters: '<> :"*? /', cannot be '.', '..', '"', and can contain up to 250 characters.
fileType	Yes	String	File type, which is customizable.
parentFolder	Yes	Array of strings	Parent directory ID list. If the target directory is a root directory, the value is root . Currently, only one parent directory is supported. If multiple parent directory IDs are passed, only the first one is used.
sha256	No	String	Complete file digest calculated using SHA256.
length	Yes	Long	File size, in bytes. If uploadMode is set to multipart , the value must be less than or equal to 200 GB.

Parameter	Mandatory	Type	Description
uploadMode	Yes	String	Upload mode. • multipart: multipart upload.
uploadType	Yes	Integer	Upload type. • 0: common upload (not supported yet). • 1: multipart upload. • 2: versioning upload (not supported yet).
autoRename	Yes	Integer	Duplicate name policy. • 2: Forcibly renames a file with an existing name by adding a timestamp to the end of the file name. • 3: Rejects files with the same name. A file with an existing name cannot be created. • 4: Does not create a file if files with the same name have the same SHA256 value, or, uses the forcible renaming logic.
multiParts	No	Array of MultiPartInfo objects	Part information list.
containerId	Yes	String	ID of the target space to which the file is uploaded.
preHash	No	String	Digest of the first 1 KB of the file calculated using SHA256.
proofCode	No	String	Storage signature, generated using the binary data of the file and used to prevent credential stuffing. This parameter is mandatory when sha256 is transferred.
hidden	No	Boolean	Whether the file is hidden. (This function is available only to whitelisted users.)

Table 4-335 MultiPartInfo

Parameter	Mandatory	Type	Description
partNumber	Yes	Integer	Part No.
partSize	Yes	Long	Part length. The value range is [5,242,880, 5,368,709,120]. The value range of the last part is [0, 5,368,709,120]. Minimum value: 0. Maximum value: 5,368,709,120.
partOffset	No	Long	Total length (in bytes) to the last data block. This parameter is valid only during concurrent multipart upload. The size of all parts except the last one must be a multiple of 64 bytes.
hashCtx	No	Array of longs	Context used to iteratively calculate SHA256. This field is valid only during concurrent multipart upload. For SHA1, the value is the first to fifth 32-bit variables of the SHA1 of the previous data block. For SHA256, the value is the first to eighth 32-bit variables of the SHA256 of the previous data block. This parameter is mandatory for all parts except the first one in concurrent multipart upload.
uploadUrl	No	String	URL for uploading a file, which is a return parameter. The PUT method is required for uploading a file.
partId	No	String	Part object ID.

Response Parameters

Status code: 200

Table 4-336 Response body parameters

Parameter	Type	Description
fileId	String	File ID.
rapidUpload	Boolean	Whether flash upload is hit. true indicates that flash upload is hit.
containerId	String	ID of the space where the file is located.
fileName	String	Name of the uploaded file. If the file is not renamed, the value is the same as the file name in the request parameter.
uploadId	String	File upload ID.
parentFolder	Array of strings	ID of the parent directory where the uploaded file is located.
exist	Boolean	Whether the file exists. This parameter is used only when the input parameter autoRename is set to 4 . If the file names and SHA256 values are the same, true is returned.
multiParts	Array of MultiPartInfo objects	Part information, which is returned during multipart upload (when uploadMode is set to multipart).
matchedPreHash	Boolean	Whether a matching prehash exists.
code	String	Response code.
msg	String	Response information.

Table 4-337 MultiPartInfo

Parameter	Type	Description
partNumber	Integer	Part No.
partSize	Long	Part length. The value range is [5,242,880, 5,368,709,120]. The value range of the last part is [0, 5,368,709,120]. Minimum value: 0. Maximum value: 5,368,709,120.
partOffset	Long	Total length (in bytes) to the last data block. This parameter is valid only during concurrent multipart upload. The size of all parts except the last one must be a multiple of 64 bytes.

Parameter	Type	Description
hashCtx	Array of longs	Context used to iteratively calculate SHA256. This field is valid only during concurrent multipart upload. For SHA1, the value is the first to fifth 32-bit variables of the SHA1 of the previous data block. For SHA256, the value is the first to eighth 32-bit variables of the SHA256 of the previous data block. This parameter is mandatory for all parts except the first one in concurrent multipart upload.
uploadUrl	String	URL for uploading a file, which is a return parameter. The PUT method is required for uploading a file.
partId	String	Part object ID.

Example Requests

Creates file metadata in multipart upload mode. In this example, a part is specified. The upload link of the part is returned in the subsequent response. The part needs to be uploaded through a PUT request.

```
POST /koodrive/ose/v1/files/create
```

```
Authorization:Bearer+10f88*****4791e9ff
```

```
{
  "containerId": "IAADfsBFCO6WtAtuA9add2fea594e4e75b8feb8474ef236",
  "parentFolder": [
    "root"
  ],
  "createdTime": "2020-05-18T01:43:49Z",
  "mimeType": "application/x-zip-compressed",
  "fileType": 35,
  "fileName": "demo.zip",
  "sha256": "08a784aeb181506391c20c6355f881dc363d8c3e0739d295e5d6f410d05dbc69",
  "length": 22106481,
  "uploadMode": "multipart",
  "uploadType": 1,
  "autoRename": 2,
  "multiParts": [
    {
      "partNumber": 1,
      "partOffset": 0,
      "partSize": 22106481
    }
  ],
  "description": ""
}
```

Example Responses

Status code: 200

Information returned after the first step of uploading a file is complete.

```
{
  "fileId" : "FnkL1QhXj8muHBuSWCHtFFY8Azue44Snr",
  "containerId" : "IAADfsBFCO6WtAtuA9add2fea594e4e75b8feb8474ef236",
  "fileName" : "test_20240104_105403.zip",
  "uploadId" : "0000018CD26464022026422966B8879A",
  "parentFolder" : [ "DEUI7pa0C24ArootIAADfsBFCO6WtAtuA9add2fea594e4e75b8feb8474ef236" ],
  "exist" : false,
  "multiParts" : [ {
    "partNumber" : 1,
    "partSize" : 22106481,
    "partOffset" : 0,
    "uploadUrl" : "https://b10-obs-ykj-uat-01.obs.cdc-rp-2006.joint.cmecloud.cn/ff6b221b4b474c829c1cd5037f1504ca086?partNumber=1&uploadId=0000018CD26464022026422966B8879A&X-Amz-Algorithm=AWS4-HMAC-SHA256&X-Amz-Date=20240104T025403Z&X-Amz-SignedHeaders=content-length%3Bhost&X-Amz-Expires=3600&X-Amz-Credential=MKRISPBZAJWFHNBj5WLB%2F20240104%2Fcdc-rp-2006%2Fs3%2Faws4_request&X-Amz-Signature=39b9b620c8de901682675059cfcfa9902a13fb5c6ab38fe1451763feb6a8323c"
  } ],
  "code" : 0,
  "msg" : "Success."
}
```

Status Codes

Status Code	Description
200	Information returned after the first step of uploading a file is complete.

4.15.4 Obtains the upload link.

Function

Generate the upload link of a file part for multipart upload.

URI

POST /koodrive/ose/v1/files/multipart/uploadUrl

Request Parameters

Table 4-338 Request header parameters

Parameter	Mandatory	Type	Description
Authorization	Yes	String	Access token. Token authentication is used to call KooDrive APIs. A token indicates the permissions. When an API is called, the token is added to the request header to obtain the operation permissions. For details about how to obtain an access token, see the corresponding developer guide. The format is Bearer +{ <i>access_token</i> }.
language	No	String	Language code, which complies with the internationalization specifications. For example, en-US indicates English (United States). English (United States) is used by default.
X-Traceid	No	String	Message log trace ID. The value contains 58 bits.
X-User-Id	Yes	String	User ID, which is used for app authentication.
X-Date	Yes	String	Date, which is used for app authentication.
Host	Yes	String	Address, which is used for app authentication.

Table 4-339 Request body parameters

Parameter	Mandatory	Type	Description
fileId	Yes	String	File ID.
multiParts	Yes	Array of MultiPartInfo objects	Part information list.

Table 4-340 MultiPartInfo

Parameter	Mandatory	Type	Description
partNumber	Yes	Integer	Part No.
partSize	Yes	Long	Part length. The value range is [5,242,880, 5,368,709,120]. The value range of the last part is [0, 5,368,709,120]. Minimum value: 0. Maximum value: 5,368,709,120.
partOffset	No	Long	Total length (in bytes) to the last data block. This parameter is valid only during concurrent multipart upload. The size of all parts except the last one must be a multiple of 64 bytes.
hashCtx	No	Array of longs	Context used to iteratively calculate SHA256. This field is valid only during concurrent multipart upload. For SHA1, the value is the first to fifth 32-bit variables of the SHA1 of the previous data block. For SHA256, the value is the first to eighth 32-bit variables of the SHA256 of the previous data block. This parameter is mandatory for all parts except the first one in concurrent multipart upload.
uploadUrl	No	String	URL for uploading a file, which is a return parameter. The PUT method is required for uploading a file.
partId	No	String	Part object ID.

Response Parameters

Status code: 200

Table 4-341 Response body parameters

Parameter	Type	Description
multiParts	Array of MultiPartInfo objects	Multipart information.
code	Integer	Response code.
msg	String	Response message.

Table 4-342 MultiPartInfo

Parameter	Type	Description
partNumber	Integer	Part No.
partSize	Long	Part length. The value range is [5,242,880, 5,368,709,120]. The value range of the last part is [0, 5,368,709,120]. Minimum value: 0. Maximum value: 5,368,709,120.
partOffset	Long	Total length (in bytes) to the last data block. This parameter is valid only during concurrent multipart upload. The size of all parts except the last one must be a multiple of 64 bytes.
hashCtx	Array of longs	Context used to iteratively calculate SHA256. This field is valid only during concurrent multipart upload. For SHA1, the value is the first to fifth 32-bit variables of the SHA1 of the previous data block. For SHA256, the value is the first to eighth 32-bit variables of the SHA256 of the previous data block. This parameter is mandatory for all parts except the first one in concurrent multipart upload.
uploadUrl	String	URL for uploading a file, which is a return parameter. The PUT method is required for uploading a file.
partId	String	Part object ID.

Example Requests

Creates file metadata in multipart upload mode. In this example, a file is divided into 46 to 50 parts. The upload link of the part is returned in the subsequent response. The part needs to be uploaded through a PUT request.

POST /koodrive/ose/v1/files/multipart/uploadUrl

Authorization: Bearer+10f88*****4791e9ff

```
{
  "fileId": "Fqo2kYHmsgWg5whxzYHZLL7mebXbBr1no",
  "multiParts": [
    {
      "hashCtx": [
        1748048713,
        2644528514,
        4267727253,
        2252747490,
        4036182088,
        2253856463,
        526139147,
        2194267752
      ],
      "partNumber": 46,
      "partOffset": 471859200,
      "partSize": 10485760
    },
    {
      "hashCtx": [
        1606212,
        1743131457,
        2392241618,
        605997363,
        3054356113,
        673008609,
        3509469858,
        2186398707
      ],
      "partNumber": 47,
      "partOffset": 482344960,
      "partSize": 10485760
    },
    {
      "hashCtx": [
        3734586607,
        1407828785,
        3243195625,
        3451635323,
        4031416500,
        3005674269,
        2829389145,
        3478923465
      ],
      "partNumber": 48,
      "partOffset": 492830720,
      "partSize": 10485760
    },
    {
      "hashCtx": [
        3677016828,
        906610338,
        3389225168,
        2507561547,
        1134075905,
        3951513567,
        1673174790,
        3034719756
      ],
      "partNumber": 49,

```

```

    "partOffset": 503316480,
    "partSize": 10485760
  },
  {
    "hashCtx": [
      1827691250,
      2956926651,
      1801460777,
      4119662276,
      4162375117,
      187866976,
      1789369655,
      278284511
    ],
    "partNumber": 50,
    "partOffset": 513802240,
    "partSize": 10485760
  }
]
}

```

Example Responses

Status code: 200

Upload information of the corresponding part.

```
{
  "multiParts": [ {
    "partNumber": 46,
    "partSize": 10485760,
    "partOffset": 471859200,
    "hashCtx": [ 1748048713, 2644528514, 4267727253, 2252747490, 4036182088, 2253856463,
526139147, 2194267752 ],
    "uploadUrl": "https://b10-obs-ykj-uat-01.obs.cidc-rp-2006.joint.cmecloud.cn/
4e8108ee15fa471cbe5f18f03e8b555b086?
partNumber=46&uploadId=0000019039E1E8520006EBE63B492EDB&X-Amz-Algorithm=AWS4-HMAC-
SHA256&X-Amz-Date=20240621T082041Z&X-Amz-SignedHeaders=content-length%3Bhost&X-Amz-
Expires=3600&X-Amz-Credential=MKRISPBJAJWFHNBj5WLB%2F20240621%2Fcidd-
rp-2006%2Fs3%2Faws4_request&X-Amz-Iteration-Hash-
Ctx=eyJtZF9sZW4iOiJyMyLCJudW0iOiJAsImgiOlxsNzQ4MDQ0ZnEzLDI2NDQ1Mjg1MTQzNDI2NzcyNzI1MywyMj
UyNzQ3NDkwLDQwMzYxODlwODgsMjl1Mzg1NjQ2Myw1MjYxMzkxNDcsMjE5NDI2Nzc1Ml0sIm5oljowLCjub
Cl6Mzc3NDg3MzYwMCwiaGFzaF90eXBlljoic2hhMjU2In0%3D&X-Amz-
Signature=d3e7f60f45c8fd3960e697c57bb7d1c386dd20940b860fd976ba77425767d65e"
  }, {
    "partNumber": 47,
    "partSize": 10485760,
    "partOffset": 482344960,
    "hashCtx": [ 1606212, 1743131457, 2392241618, 605997363, 3054356113, 673008609, 3509469858,
2186398707 ],
    "uploadUrl": "https://b10-obs-ykj-uat-01.obs.cidc-rp-2006.joint.cmecloud.cn/
4e8108ee15fa471cbe5f18f03e8b555b086?
partNumber=47&uploadId=0000019039E1E8520006EBE63B492EDB&X-Amz-Algorithm=AWS4-HMAC-
SHA256&X-Amz-Date=20240621T082041Z&X-Amz-SignedHeaders=content-length%3Bhost&X-Amz-
Expires=3600&X-Amz-Credential=MKRISPBJAJWFHNBj5WLB%2F20240621%2Fcidd-
rp-2006%2Fs3%2Faws4_request&X-Amz-Iteration-Hash-
Ctx=eyJtZF9sZW4iOiJyMyLCJudW0iOiJAsImgiOlxsNjA2MjEyLDE3NDNMxmzE0NTcsMjM5MjI0MTYxOCw2MDU5O
TczNjMsMzA1NDM1NjExMyw2NzMwMDg2MDksMzUwOTQ2OTg1OCwyMTg2Mzk4NzA3XSwibmgiOiJAsIm5o
ljouODU4NzU5NjgwLCJoYXNoX3R5cGUiOiJzaGEyNTYifQ%3D&X-Amz-
Signature=38980d3be00e52ee11c366ae69e950d673528203f3869a26f39dae42b4dabbb"
  }, {
    "partNumber": 48,
    "partSize": 10485760,
    "partOffset": 492830720,
    "hashCtx": [ 3734586607, 1407828785, 3243195625, 3451635323, 4031416500, 3005674269,
2829389145, 3478923465 ],
    "uploadUrl": "https://b10-obs-ykj-uat-01.obs.cidc-rp-2006.joint.cmecloud.cn/
4e8108ee15fa471cbe5f18f03e8b555b086?
partNumber=48&uploadId=0000019039E1E8520006EBE63B492EDB&X-Amz-Algorithm=AWS4-HMAC-
```

```
SHA256&X-Amz-Date=20240621T082041Z&X-Amz-SignedHeaders=content-length%3Bhost&X-Amz-Expires=3600&X-Amz-Credential=MKRISPBZAJWFHNBJSWLB%2F20240621%2Fcide-  
rp-2006%2Fs3%2Faws4_request&X-Amz-Iteration-Hash-  
Ctx=eyJtZF9sZW4iOiJMyLCludW0iOiAsImgiOlslNjM0NTg2NjA3LDE0MDc4Mjg3ODUsMzlOMzMzE5NTYyNSwzNDUxNmJmMTZlZDQwMzE0MTY1MDAsMzAwNTY3NDI0OSwyODI1Mzg5MTQ1LDM0Nzg5MjM0NjVdLCJuaCl6MCwibmwiojM5NDI2NDU3NjAsImhhc2hfdHlwZSI6InNoYT11NiJ9&X-Amz-  
Signature=d5608f38d6afdfce117be1243870b63f46ff11676633e0630d122f0c4145e8ae"  
}, {  
  "partNumber": 49,  
  "partSize": 10485760,  
  "partOffset": 503316480,  
  "hashCtx": [ 3677016828, 906610338, 3389225168, 2507561547, 1134075905, 3951513567,  
1673174790, 3034719756 ],  
  "uploadUrl": "https://b10-obs-ykj-uat-01.obs.cide-rp-2006.joint.cmecloud.cn/  
4e8108ee15fa471cbe5f18f03e8b555b086?  
partNumber=49&uploadId=0000019039E1E8520006EBE63B492EDB&X-Amz-Algorithm=AWS4-HMAC-  
SHA256&X-Amz-Date=20240621T082041Z&X-Amz-SignedHeaders=content-length%3Bhost&X-Amz-  
Expires=3600&X-Amz-Credential=MKRISPBZAJWFHNBJSWLB%2F20240621%2Fcide-  
rp-2006%2Fs3%2Faws4_request&X-Amz-Iteration-Hash-  
Ctx=eyJtZF9sZW4iOiJMyLCludW0iOiAsImgiOlslNjc3MDE2ODI4LDkwNjYxMDMzMOCwzMzg5MjM1MTY4LDI1MDc1NjE1NDcsMTEzNDANkwnSwzOTUxNTEzNTY3LDE2NzIxNzQ3OTAsMzAzNDcxOTc1Nl0lm5oljowLCJubCl6NDAYnJlUzMTg0MCwiaGFzaF90eXBlljoic2hhMjU2In0%3D&X-Amz-  
Signature=52eb71278fc9310f13a5b92641b5a726d0006be8dd89a242f9c4ce09c360e1f7"  
}, {  
  "partNumber": 50,  
  "partSize": 10485760,  
  "partOffset": 513802240,  
  "hashCtx": [ 1827691250, 2956926651, 1801460777, 4119662276, 4162375117, 187866976,  
1789369655, 278284511 ],  
  "uploadUrl": "https://b10-obs-ykj-uat-01.obs.cide-rp-2006.joint.cmecloud.cn/  
4e8108ee15fa471cbe5f18f03e8b555b086?  
partNumber=50&uploadId=0000019039E1E8520006EBE63B492EDB&X-Amz-Algorithm=AWS4-HMAC-  
SHA256&X-Amz-Date=20240621T082041Z&X-Amz-SignedHeaders=content-length%3Bhost&X-Amz-  
Expires=3600&X-Amz-Credential=MKRISPBZAJWFHNBJSWLB%2F20240621%2Fcide-  
rp-2006%2Fs3%2Faws4_request&X-Amz-Iteration-Hash-  
Ctx=eyJtZF9sZW4iOiJMyLCludW0iOiAsImgiOlslODI3NjkxMjUwLDE1NTY5MjY2NTEsMTgwMTQ2MDc3Nyw0MT  
E5NjYyMjc2LDQxNjZlZDQwMzE0MTY1MDAsMzAwNTY3NDI0OSwyODI1Mzg5MTQ1LDM0Nzg5MjM0NjVdLCJuaCl6MCwibmwiojM5NDI2NDU3NjAsImhhc2hfdHlwZSI6InNoYT11NiJ9&X-Amz-  
Signature=15abcd4ad7774f20e196666d403bf3d4359dd151b9cb1cc1f604c6517c4a287b"  
}],  
  "code": 0,  
  "msg": "Success."  
}
```

Status Codes

Status Code	Description
200	Upload information of the corresponding part.

4.15.5 Checking Whether File Upload Is Completed

Function

Check the file integrity after the service uploads the complete data of a file. If the file passes the check, the file upload is complete.

URI

POST /koodrive/ose/v1/files/complete

Request Parameters

Table 4-343 Request header parameters

Parameter	Mandatory	Type	Description
Authorization	Yes	String	Access token. Token authentication is used to call KooDrive APIs. A token indicates the permission. When an API is called, the token is added to the request header to obtain the operation permission. For details about how to obtain an access token, see the corresponding developer guide. The format is Bearer+{access_token} .
X-User-Id	Yes	String	User ID, which is used for app authentication.
X-Date	Yes	String	Date, which is used for app authentication.
Host	Yes	String	Address, which is used for app authentication.
X-Traceid	No	String	Message log trace ID. The value contains 58 bits.
language	No	String	Language code, which complies with the internationalization specifications. For example, en-US indicates English (United States). English (United States) is used by default.

Table 4-344 Request body parameters

Parameter	Mandatory	Type	Description
fileId	Yes	String	ID of the uploaded file.
sha256	No	String	Complete file digest calculated using SHA256.

Response Parameters

Status code: 200

Table 4-345 Response body parameters

Parameter	Type	Description
code	String	Response code.
msg	String	Response message.

Example Requests

Combines parts and checks file integrity after the binary data of a file is uploaded.

```
POST /koodrive/ose/v1/files/complete
Authorization:Bearer+10f88*****4791e9ff
{
  "fileId": "FiqNTAYdzXtKhenh29A9EXJvhaKQqcYVS"
}
```

Example Responses

Status code: 200

Information returned after the upload is complete.

```
{
  "code" : 0,
  "msg" : "success."
}
```

Status Codes

Status Code	Description
200	Information returned after the upload is complete.

4.15.6 Obtaining Download Links

Function

Obtain the download links of files.

URI

POST /koodrive/ose/v1/files/download

Request Parameters

Table 4-346 Request header parameters

Parameter	Mandatory	Type	Description
Authorization	Yes	String	Access token. Token authentication is used to call KooDrive APIs. A token indicates the permission. When an API is called, the token is added to the request header to obtain the operation permission. For details about how to obtain an access token, see the corresponding developer guide. The format is Bearer +{ <i>access_token</i> }.
X-User-Id	Yes	String	User ID, which is used for app authentication.
X-Date	Yes	String	Date, which is used for app authentication.
Host	Yes	String	Address, which is used for app authentication.
X-Traceid	No	String	Message log trace ID. The value contains 58 bits.
language	No	String	Language code, which complies with the internationalization specifications. For example, en-US indicates English (United States). English (United States) is used by default.

Table 4-347 Request body parameters

Parameter	Mandatory	Type	Description
containerId	Yes	String	ID of the space where the files to be obtained are located.
fileIds	Yes	Array of strings	File ID list. Up to 100 file IDs are allowed.

Response Parameters

Status code: 200

Table 4-348 Response body parameters

Parameter	Type	Description
code	Integer	Response code.
msg	String	Response information.
batchCode	Integer	Response code. • 0: partially successful. • 1: all successful. • 2: all failed.
downloads	Array of DownloadInfoResponse objects	Download link information.

Table 4-349 DownloadInfoResponse

Parameter	Type	Description
fileId	String	File ID.
fileName	String	File name.
url	String	Download link.
code	String	Response code of a single download record.
msg	String	Response message of a single download record.

Example Requests

Obtains the download links of files.

```
POST /koodrive/ose/v1/files/download
Authorization: Bearer+10f88*****4791e9ff

{
  "containerId": "IAADfsBFCO6WtAtuA9add2fea594e4e75b8feb8474ef236",
  "fileIds": [
    "Fn1bTLIOomJkTC Ae9DEVBRY4U6IkuqkMZ"
  ]
}
```

Example Responses

Status code: 200

Response to the request for obtaining the file download links.

```
{
  "downloads" : [ {
    "fileId" : "Fn1bTLIOomJkTCAe9DEVBRY4U6IkuqkMZ",
    "url" : "https://b10-obs-ykj-uat-01.obs.cdc-rp-2006.joint.cmecloud.cn/5e3fc0c5d4fa45338f44db7177579c2c087?response-content-disposition=attachment%3B%20filename%3D%22%25E5%258F%2591%25E7%25A5%25A81.pdf%22&X-Amz-Algorithm=AWS4-HMAC-SHA256&X-Amz-Date=20231227T072939Z&X-Amz-SignedHeaders=host&X-Amz-Expires=3600&X-Amz-Credential=MKRISPBZAJWFHNBJSWLB%2F20231227%2Fcdc-rp-2006%2Fs3%2Faws4_request&X-Amz-Signature=9d06798af17e2f1082b720f43af29a32b3154da4ddeee4f10025a758b599728a",
    "fileName" : "Invoice 1.pdf",
    "code" : "0",
    "msg" : "success"
  } ],
  "batchCode" : 1,
  "code" : 0,
  "msg" : "Success."
}
```

Status Codes

Status Code	Description
200	Response to the request for obtaining the file download links.

4.15.7 Renaming a File

Function

Rename a file.

URI

POST /koodrive/ose/v1/files/rename/{fileId}

Table 4-350 Path Parameters

Parameter	Mandatory	Type	Description
fileId	Yes	String	File ID.

Request Parameters

Table 4-351 Request header parameters

Parameter	Mandatory	Type	Description
Authorization	Yes	String	Access token. Token authentication is used to call KooDrive APIs. A token indicates the permission. When an API is called, the token is added to the request header to obtain the operation permission. For details about how to obtain an access token, see the corresponding developer guide. The format is Bearer +{ <i>access_token</i> }.
X-Traceid	No	String	Message log trace ID. The value contains 58 bits.
language	No	String	Language code, which complies with the internationalization specifications. For example, en-US indicates English (United States). English (United States) is used by default.
X-User-Id	Yes	String	User ID, which is used for app authentication.
X-Date	Yes	String	Date, which is used for app authentication.
Host	Yes	String	Address, which is used for app authentication.

Table 4-352 Request body parameters

Parameter	Mandatory	Type	Description
containerId	Yes	String	Space ID.
name	Yes	String	New file name, which cannot contain the following characters: '<> :"*? \/', cannot be .. or ., and can contain up to 250 characters.

Parameter	Mandatory	Type	Description
renameMode	Yes	Integer	Duplicate name policy. • 2: Forcibly renames a file with an existing name by adding a timestamp to the end of the file name. • 3: Rejects files with the same name. A file with an existing name cannot be created.

Response Parameters

Status code: 200

Table 4-353 Response body parameters

Parameter	Type	Description
code	String	Response code.
msg	String	Response message.

Example Requests

Renames a file whose ID is **FtSCRFXCYtFjo315lPfRHeKRiqrDdmm_Y** under the space whose ID is **IAADfsBFCO6WtAtuA315074383680425b8aa9a130cba2d4** to **Download**.

```
POST /koodrive/ose/v1/files/rename/FtSCRFXCYtFjo315lPfRHeKRiqrDdmm_Y
```

```
Authorization:Bearer+10f88*****4791e9ff
```

```
{
  "name": "Download",
  "containerId": "IAADfsBFCO6WtAtuA315074383680425b8aa9a130cba2d4",
  "renameMode": 2
}
```

Example Responses

Status code: 200

Information returned after a file is renamed.

```
{
  "code" : 0,
  "msg" : "success"
}
```

Status Codes

Status Code	Description
200	Information returned after a file is renamed.

4.15.8 Clearing the Recycle Bin

Function

Create an asynchronous task to clear all files in the recycle bin of the space.

URI

POST /koodrive/ose/v1/files/recycle

Request Parameters

Table 4-354 Request header parameters

Parameter	Mandatory	Type	Description
Authorization	Yes	String	Access token. Token authentication is used to call KooDrive APIs. A token indicates the permission. When an API is called, the token is added to the request header to obtain the operation permission. For details about how to obtain an access token, see the corresponding developer guide. The format is Bearer +{access_token}.
X-Traceid	No	String	Message log trace ID. The value contains 58 bits.
language	No	String	Language code, which complies with the internationalization specifications. For example, en-US indicates English (United States). English (United States) is used by default.
X-User-Id	Yes	String	User ID, which is used for app authentication.

Parameter	Mandatory	Type	Description
X-Date	Yes	String	Date, which is used for app authentication.
Host	Yes	String	Address, which is used for app authentication.

Table 4-355 Request body parameters

Parameter	Mandatory	Type	Description
container	Yes	String	Space ID.

Response Parameters

Status code: 200

Table 4-356 Response body parameters

Parameter	Type	Description
code	String	Response code.
msg	String	Response message.

Example Requests

Clears the files in the recycle bin of the space whose ID is **IAADfsBFCO6WtAtuA315074383680425b8aa9a130cba2d4**.

```
POST /koodrive/ose/v1/files/recycle
```

```
Authorization:Bearer+10f88*****4791e9ff
```

```
{
  "containerId": "IAADfsBFCO6WtAtuA315074383680425b8aa9a130cba2d4"
}
```

Example Responses

Status code: 200

Information returned after the recycle bin is cleared.

```
{
  "code" : 0,
  "msg" : "success"
}
```

Status Codes

Status Code	Description
200	Information returned after the recycle bin is cleared.

4.15.9 Retrieving Files Using Search Engine Capabilities

Function

Search for files in a space by conditions such as search scope, parent directory, file name, file size range, update time range, and owner. Common users and department administrators can search for their individual and team space. Tenant administrators can search for all team spaces of the tenant.

URI

POST /koodrive/ose/v1/files/search

Request Parameters

Table 4-357 Request header parameters

Parameter	Mandatory	Type	Description
X-Traceid	No	String	Message log trace ID. The value contains 58 bits.
Authorization	Yes	String	Access token. Token authentication is used to call KooDrive APIs. A token indicates the permission. When an API is called, the token is added to the request header to obtain the operation permission. For details about how to obtain an access token, see the corresponding developer guide. The format is Bearer +{access_token}.
X-User-Id	Yes	String	User ID, which is used for app authentication.
X-Date	Yes	String	Date, which is used for app authentication.
Host	Yes	String	Address, which is used for app authentication.

Parameter	Mandatory	Type	Description
language	No	String	Language code, which complies with the internationalization specifications. For example, en-US indicates English (United States). English (United States) is used by default.

Table 4-358 Request body parameters

Parameter	Mandatory	Type	Description
searchType	Yes	String	Query type. - personal: individual space - team: team space
pageInfo	Yes	pageInfo object	Pagination information.
filter	No	filter object	Filter.
sortInfo	No	sortInfo object	Sorting information.
recycled	No	Boolean	Whether to query the recycle bin. The default value is false. The options are as follows: true: Queries files in the recycle bin. false: Queries other files in the space.
recursed	No	Boolean	Whether files in sub-directories are queried recursively. Default value: false.
imageProcess	No	String	Image operation, which can be used to specify the thumbnail size.

Table 4-359 pageInfo

Parameter	Mandatory	Type	Description
pageSize	Yes	Integer	Size of each page. The value ranges from 1 to 100 .

Parameter	Mandatory	Type	Description
pageCursor	Yes	String	Start cursor. If this parameter is null, the query starts from the first page.

Table 4-360 filter

Parameter	Mandatory	Type	Description
keyWord	No	String	File name. Fuzzy match is supported. The value contains up to 80 characters.
containerId	No	String	Space ID. This parameter is mandatory when the parent directory is specified.
parentFolder	No	String	Parent directory.

Parameter	Mandatory	Type	Description
fileType	No	String	File type. Enumerated values: /** * Folder / FOLDER("10"), /* * Smart folder (available only to whitelisted users) / SMART_FOLDER("11"), /* * Image / PICTURE("15"), /* * Video / VIDEO("20"), /* * Word file / WORD("26"), /* * Excel file / EXCEL("27"), /* * PowerPoint file / PPT("28"), /* * Audio / AUDIO("30"), /* * Compressed file / ARCHIVE("35"), /* * Application / APPLICATION("40"), /* * Other */ OTHER("45");
updateTimeRange	No	String	Update time range.
ownerId	No	String	File owner.
updateStartTime	No	String	Last update start time, in the format of 2024-11-19T16:00:00.000Z.
updateEndTime	No	String	Last update end time, in the format of 2025-05-20T15:59:59.999Z.
fileSuffixList	No	Array of strings	List of file name extensions to be filtered. A maximum of 100 file name extensions are supported.

Table 4-361 sortInfo

Parameter	Mandatory	Type	Description
sortType	No	String	Enumerated values: • fileName: file name. • size: file size. • updateTime: update time. • createTime: creation time. • recycledTime: deletion time. • fileSuffix: file sub-category. -** type**: file format.
sortDirection	No	String	Enumerated values: • desc: descending order. • asc: ascending order.

Response Parameters

Status code: 200

Table 4-362 Response body parameters

Parameter	Type	Description
code	Integer	Response code. 0 indicates success. Other values indicate failure.
msg	String	Success and error information.
files	Array of files objects	Search results
total	Integer	Total number of records.
nextPageCursor	String	Start cursor of the next page. It is null for the last page.

Table 4-363 files

Parameter	Type	Description
id	String	File ID.
fileSuffix	String	File suffix.

Parameter	Type	Description
fileName	String	File name.
fileType	String	File type.
size	String	File size.
updateTime	String	Update time.
namePath	String	Full name path.
idPath	String	Full ID path.
downloadLinks	Array of downloadLinks objects	Thumbnail link, which is returned for an image.
teamName	String	Department name or group space name returned for the team space.
teamId	String	Group ID, that is, department ID or group ID.
containerId	String	Space ID.
containerType	String	0 : department space; 1 : individual space; 2 : group space.
favorite	Boolean	Whether the file returned by the individual space or team space is added to favorites by the current user.
owner	String	Owner name returned for the team space.
attachments	Attachment object	Attachment.
createTime	String	Creation time.
editeTime	String	Editing time.
lastEditor	User object	Last editor.
contentType	String	Content type.
ownerId	String	Owner ID.
owners	Array of User objects	Owner.
parentFolder	Array of strings	List of the parent directory IDs. Currently, only the first ID is used.
properties	Map<String,String>	Common user-defined attributes of the file. The number of key-value pairs cannot exceed 30. A single key-value pair can contain up to 124 characters.

Parameter	Type	Description
recycled	Boolean	Whether the file is moved to the recycle bin.
sha256	String	sha256
userCapabilities	userCapabilities object	User permissions.
userProperties	Array of FileListPrivate-Properties objects	Extended user attributes.

Table 4-364 downloadLinks

Parameter	Type	Description
usage	String	Usage. The value can be thumbnail or content .
downloadLink	String	Image address.

Table 4-365 Attachment

Parameter	Type	Description
usage	String	Default usage: content or thumbnail . This parameter is customizable.
assetId	String	Asset ID
length	Long	File size.
versionId	String	Asset version ID.
mimeType	String	MIME type.
hash	String	Hash of the resource associated with the asset.
sha256	String	SHA256 of the resource associated with the asset.
createdTime	String	Time when the data is created.
modifiedTime	String	Time when the data is last modified.
attributes	Map<String, Object>	Type attributes.
asset	Asset object	Asset.

Table 4-366 Asset

Parameter	Type	Description
id	String	Asset ID
versionId	String	Asset version ID.
version	Long	Version number.
contentType	String	MIME type
keepPolicy	Integer	Storage policy of historical versions. • 0: automatic clearance. Two versions are retained. The earliest version is deleted when the third version is added. (This prevents obtaining failures in concurrent scenarios.) • 1: permanent storage.
state	Integer	Data status. • 0: available. • 1: unavailable. • 2: temporary. • 3: retained (flash upload unsupported). • 4: to be cut over.
createTime	String	Time when the data is created.
modifiedTime	String	Time when the data is last modified.
lastModifyingUser	String	UPID of the user that last modifies the data.
resource	Resource object	Resource.
cipher	Cipher object	Cipher.

Parameter	Type	Description
attributes	Map<String,Object>	Type attributes. A key consists of letters and digits and starts with a letter. A value cannot contain emojis. The size of an attribute is not limited, but the total size cannot exceed 16 KB. Attribute options: • pictureMetadata: image attribute data. For details, see the definition of PictureMetadata. • videoMetadata: video attribute data. For details, see the definition of VideoMetadata. • audioMetadata: audio attribute data. For details, see the definition of AudioMetadata. • contentDisposition: used when response-content-disposition is not specified for the downloaded attachment (valid when resource.type is set to 12).
properties	Map<String,String>	Extended attributes.

Table 4-367 Resource

Parameter	Type	Description
id	String	ID of the file resource.
hash	String	Hash of the file resource.
length	Long	Size of the file resource.
sha256	String	SHA256 of the file (used for integrity check).
type	Integer	Resource type. • 0: ciphertext multipart file. • 3: plaintext multipart file. • 12: plaintext single-part file.

Parameter	Type	Description
state	Integer	Data status. • 0: available. • 1: unavailable. • 2: temporary. • 3: retained (flash upload unsupported). • 4: to be cut over.
sliceSize	Long	Part size.
hkek	String	Hash of the FEK of the encrypted file. This parameter is applicable when type is set to 0 .
iv	String	IV of the encrypted file. This parameter is applicable when type is set to 0 .
createdTime	String	Time when the data is created.
modifiedTime	String	Time when the data is last modified.
objects	Array of SliceObject objects	Part object, which is applicable when type is set to 0 or 3 .
attributes	Map<String,Object>	Type attributes.
properties	Map<String,String>	Extended attributes.

Table 4-368 SliceObject

Parameter	Type	Description
id	String	Part ID.
number	Integer	Part No., starting from 0. This parameter is not applicable when type is set to 12 .
start	Long	Start position of a part, which is not applicable when type is set to 12 .
sha256	String	SHA256 of the part (or SHA256 of the ciphertext if the part is encrypted.)
length	Long	Part length (or ciphertext length if the part is encrypted).
bucket	String	OBS bucket information.

Parameter	Type	Description
createdTime	String	Time when the data is created.
modifiedTime	String	Time when the data is last modified.
uploadUrl	EndpointURL object	Upload URL.
downloadUrl	EndpointURL object	Download URL.
uploadId	String	Multipart upload ID. This parameter is applicable when type is set to 12 and uploadMode is set to multipart .
attributes	Map<String,Object>	Type attributes.
properties	Map<String,String>	Extended attributes.
images	Array of Images objects	Thumbnail.

Table 4-369 EndpointURL

Parameter	Type	Description
url	String	URL
method	String	http method
headers	Map<String,String>	http headers
forms	Map<String,String>	Form parameter, which is applicable when type is set to 12 and uploadMode is set to post .
partId	String	Multipart parameter, which is applicable when type is set to 12 and uploadMode is set to multipart .

Table 4-370 Images

Parameter	Type	Description
process	String	File resource name.
downloadUrl	EndpointURLMetadata object	URL structure for file upload or download.

Table 4-371 EndpointURLMetadata

Parameter	Type	Description
url	String	URL
method	String	http method

Table 4-372 Cipher

Parameter	Type	Description
algorithm	String	Encryption algorithm.
hfek	String	Hash of the FEK of the encrypted file. This parameter is applicable when type is set to 0 or 4 .
iv	String	IV of the encrypted file. This parameter is applicable when type is set to 0 or 4 .
dataType	Integer	Data type. • 11: sync drive.
keychains	Array of Keychain objects	Keychain.

Table 4-373 Keychain

Parameter	Type	Description
id	String	Key UUID.
type	Integer	Key type. • 1: efek. • 2: zfek. • 3: sfek.
algorithm	String	Encryption algorithm.
ekey	String	Encrypted key.

Table 4-374 User

Parameter	Type	Description
category	String	Type. The value is drive#user .
userId	String	Huawei user ID.

Parameter	Type	Description
displayName	String	Display name of the user.
me	Boolean	Whether you are the user.
permissionId	String	Permission ID.

Table 4-375 userCapabilities

Parameter	Type	Description
addChildNodePermission	Boolean	Whether the user can add sub-directories or sub-files.
copyPermission	Boolean	Whether the user can copy files.
deletePermission	Boolean	Whether the user can delete files.
downloadPermission	Boolean	Whether the user can download content.
editPermission	Boolean	Whether the user can edit files.
listChildNodePermission	Boolean	Whether the user can list sub-directories or sub-files.
removeChildNodePermission	Boolean	Whether the user can move sub-directories.
renameFilePermission	Boolean	Whether the user can rename files.
shareFilePermission	Boolean	Whether the user can share files.
uploadPermission	Boolean	Whether the user can upload files.
viewPermission	Boolean	Whether the user can preview files.

Table 4-376 FileListPrivateProperties

Parameter	Type	Description
properties	Map<String,String>	Extended attributes (The size of a single attribute is not limited, but the total size cannot exceed 16 KB.)

Example Requests

Example request for searching for a file.

```
POST /koodrive/ose/v1/files/search

Authorization:Bearer+10f88*****4791e9ff
{
  "searchType" : " personal/team",
  "pageInfo" : {
    "pageSize" : 100,
    "pageCursor" : 1
  },
  "filter" : {
    "keyWord" : "Material",
    "containerId" : "123456",
    "parentFolder" : "1",
    "fileType" : "1",
    "sizeRang" : "1024,2048",
    "updateTimeRange" : "2023-11-02,2023-11-21",
    "ownerId" : "Owner ID"
  }
}
```

Example Responses

Status code: 200

Search results

```
{
  "files" : [ {
    "id" : "Fu2A5BQZ1qUk3h1tU6ZIAS66swzIN9mnJ",
    "sha256" : "57eafb818ad716aa11b443fb9fc2c1f23875f0c8da49035a8ca98136e4525632",
    "fileName" : "KooDrive Service Overview.docx",
    "fileSuffix" : "docx",
    "fileType" : "26",
    "size" : "705395",
    "updateTime" : "2024-12-25T06:41:22.873Z",
    "idPath" : "DFcz6PEuDwlArootIAAFWbRXXM-jxLg8CA1578177668157825025",
    "downloadLinks" : [ {
      "usage" : "content",
      "downloadLink" : "https://b10-obs-ykj-uat-01.obs.cidc-rp-2006.joint.cmecloud.cn/18ad967c9af047fd8b909ed163c0fdb6086?response-content-disposition=attachment%3B%20filename%2A%3DUTF-8%27%27KooDrive%25E6%259C%258D%25E5%258A%25A1%25E4%25BB%258B%25E7%25BB%258D.docx&X-Amz-Algorithm=AWS4-HMAC-SHA256&X-Amz-Date=20250103T023324Z&X-Amz-SignedHeaders=host&X-Amz-Expires=3600&X-Amz-Credential=MKRISPBJAJWFHNBj5WLB%2F20250103%2Fcidc-rp-2006%2Fs3%2Faws4_request&X-Amz-Signature=e518a982307ef9b6d6e4bd8788e421d3488f58f3ed79eb3ab42702ac5c3d7513"
    }, {
      "usage" : "thumbnail",
      "downloadLink" : "https://b10-obs-ykj-uat-01.obs.cidc-rp-2006.joint.cmecloud.cn/18ad967c9af047fd8b909ed163c0fdb6086?x-image-process=image%2Fresize%2Cm_lfit%2Ch_128%2Cw_128&response-content-disposition=attachment%3B%20filename%2A%3DUTF-8%27%27KooDrive%25E6%259C%258D%25E5%258A%25A1%25E4%25BB%258B%25E7%25BB%258D.docx&X-Amz-Algorithm=AWS4-HMAC-SHA256&X-Amz-Date=20250103T023324Z&X-Amz-SignedHeaders=host&X-Amz-Expires=3600&X-Amz-Credential=MKRISPBJAJWFHNBj5WLB%2F20250103%2Fcidc-rp-2006%2Fs3%2Faws4_request&X-Amz-Signature=ad55a09e66ddd32c6f9b3cce08c7c9a867c7a579a41200f415fb2918de1ab473"
    } ],
    "teamName" : "fdsgdsf",
    "teamId" : "1578175198769733633",
    "containerId" : "IAAFWbRXXM-jxLg8CA1578177668157825025",
    "containerType" : "0",
    "favorite" : false,
    "owner" : "hid42638091",
    "ownerId" : "1568722386902108288",
    "properties" : {
      "localCreatedAt" : "",
      "localUpdatedAt" : "",
      "createUser" : "1568722386902108288",
      "lastEditUser" : "1568722386902108288",
      "auditResult" : "{\"auditDetail\":\"{}\", \"auditLevel\":\"10\", \"auditResult\":\"1\"}"
    }
  } ]
}
```

```
    },
    "attachments": [ {
      "assetId": "1584078561541652992",
      "asset": {
        "id": "1584078561541652992",
        "versionId": "1584078561541652993",
        "version": 49923,
        "mimeType": "application/vnd.openxmlformats-officedocument.wordprocessingml.document",
        "state": 0,
        "createdTime": "2024-12-25T06:41:20.050Z",
        "modifiedTime": "2024-12-25T06:41:20.050Z",
        "resource": {
          "id": "1584078561810055808",
          "length": 705395,
          "sha256": "57eafb818ad716aa11b443fb9fc2c1f23875f0c8da49035a8ca98136e4525632",
          "object": {
            "id": "18ad967c9af047fd8b909ed163c0fdb6086",
            "start": 0,
            "downloadUrl": {
              "url": "https://b10-obs-ykj-uat-01.obs.cidc-rp-2006.joint.cmecloud.cn/
18ad967c9af047fd8b909ed163c0fdb6086?response-content-disposition=attachment%3B%20filename%2A
%3DUTF-8%27%27KooDrive%25E6%259C%258D%25E5%258A%25A1%25E4%25BB%258B%25E7%25BB
%258D.docx&X-Amz-Algorithm=AWS4-HMAC-SHA256&X-Amz-Date=20250103T023324Z&X-Amz-
SignedHeaders=host&X-Amz-Expires=3600&X-Amz-Credential=MKRISPBJAJWFHNB15WLB
%2F20250103%2Fcicd-rp-2006%2Fs3%2Faws4_request&X-Amz-
Signature=e518a982307ef9b6d6e4bd8788e421d3488f58f3ed79eb3ab42702ac5c3d7513",
              "method": "GET"
            },
            "images": [ {
              "process": "image/resize,m_lfit,h_128,w_128",
              "downloadUrl": {
                "url": "https://b10-obs-ykj-uat-01.obs.cidc-rp-2006.joint.cmecloud.cn/
18ad967c9af047fd8b909ed163c0fdb6086?x-image-process=image%2Fresize%2Cm_lfit
%2Ch_128%2Cw_128&response-content-disposition=attachment%3B%20filename%2A
%3DUTF-8%27%27KooDrive%25E6%259C%258D%25E5%258A%25A1%25E4%25BB%258B%25E7%25BB
%258D.docx&X-Amz-Algorithm=AWS4-HMAC-SHA256&X-Amz-Date=20250103T023324Z&X-Amz-
SignedHeaders=host&X-Amz-Expires=3600&X-Amz-Credential=MKRISPBJAJWFHNB15WLB
%2F20250103%2Fcicd-rp-2006%2Fs3%2Faws4_request&X-Amz-
Signature=ad55a09e66ddd32c6f9b3cce08c7c9a867c7a579a41200f415fb2918de1ab473",
                "method": "GET"
              }
            }
          ]
        },
        "attributes": {
          "fileName": "KooDrive Service Overview.docx",
          "localCreatedAt": "",
          "createdBy": "667706171d1c4ef2a4d7464f3656066c",
          "resource": {
            "id": "1584078561810055808",
            "object": {
              "bucket": "b10-obs-ykj-uat-01",
              "objectId": "18ad967c9af047fd8b909ed163c0fdb6086"
            }
          },
          "localUpdatedAt": ""
        }
      },
      "versionId": "1584078561541652993",
      "attributes": {
        "fileName": "KooDrive Service Overview.docx",
        "localCreatedAt": "",
        "createdBy": "667706171d1c4ef2a4d7464f3656066c",
        "resource": {
          "id": "1584078561810055808",
          "object": {
            "bucket": "b10-obs-ykj-uat-01",
            "objectId": "18ad967c9af047fd8b909ed163c0fdb6086"
          }
        }
      }
    }
  ]
}
```

```
    },
    "localUpdatedAt" : ""
  },
  "hash" : "57eafb818ad716aa11b443fb9fc2c1f23875f0c8da49035a8ca98136e4525632",
  "length" : 705395,
  "mimeType" : "application/vnd.openxmlformats-officedocument.wordprocessingml.document",
  "usage" : "content",
  "sha256" : "57eafb818ad716aa11b443fb9fc2c1f23875f0c8da49035a8ca98136e4525632",
  "createdTime" : "2024-12-25T06:41:20.050Z",
  "modifiedTime" : "2024-12-25T06:41:20.050Z"
} ],
"createdTime" : "2024-12-25T06:41:19.794Z",
"editedTime" : "2024-12-25T06:41:22.873Z",
"lastEditor" : {
  "category" : "drive#user",
  "me" : true,
  "permissionId" : "1570905506917367936",
  "userId" :
"NDEzMDA4NjAwMDAwMjc0MTY2NS02Njc3MDYxNzFkMWM0ZWYyYTRkNzQ2NGYzNjU2MDY2Yw",
  "displayName" : "hid42638091"
},
"mimeType" : "application/vnd.openxmlformats-officedocument.wordprocessingml.document",
"owners" : [ {
  "category" : "drive#user",
  "me" : true,
  "permissionId" : "1570905506917367936",
  "userId" :
"NDEzMDA4NjAwMDAwMjc0MTY2NS02Njc3MDYxNzFkMWM0ZWYyYTRkNzQ2NGYzNjU2MDY2Yw"
} ],
"parentFolder" : [ "DFcz6PEuDwlArootIAAFWbRXM-jxLg8CA1578177668157825025" ],
"recycled" : false,
"userProperties" : {
  "properties" : {
    "hidden" : "false"
  }
}
},
"userCapabilities" : {
  "addChildNodePermission" : true,
  "copyPermission" : true,
  "deletePermission" : true,
  "downloadPermission" : true,
  "editPermission" : true,
  "listChildNodePermission" : true,
  "removeChildNodePermission" : true,
  "renameFilePermission" : true,
  "shareFilePermission" : true,
  "uploadPermission" : true,
  "viewPermission" : true
}
} ],
"total" : 1,
"code" : 0,
"msg" : "Successful."
}
```

Status Codes

Status Code	Description
200	Search results

4.15.10 Collecting Folder Statistics

Function

Collect statistics on the number of directories, number of files, and total file size in a folder.

URI

GET /koodrive/ose/v1/files/statsDir

Table 4-377 Query Parameters

Parameter	Mandatory	Type	Description
fileId	Yes	String	Directory ID.
containerId	Yes	String	ID of the space to which the directory belongs.
recursive	No	Boolean	Whether to recursively upload files. The default value is true.

Request Parameters

Table 4-378 Request header parameters

Parameter	Mandatory	Type	Description
X-Traceid	No	String	Message log trace ID. The value contains 58 bits.
Authorization	Yes	String	Access token. Token authentication is used to call KooDrive APIs. A token indicates the permissions. When an API is called, the token is added to the request header to obtain the operation permissions. For details about how to obtain an access token, see the corresponding developer guide. The format is Bearer +{access_token}.
X-User-Id	Yes	String	User ID, which is used for app authentication.
X-Date	Yes	String	Date, which is used for app authentication.

Parameter	Mandatory	Type	Description
Host	Yes	String	Address, which is used for app authentication.
language	No	String	Language code, which complies with the internationalization specifications. For example, en-US indicates English (United States). English (United States) is used by default.

Response Parameters

Status code: 200

Table 4-379 Response body parameters

Parameter	Type	Description
code	String	Response code.
msg	String	Response information.
data	StatsData object	Data.

Table 4-380 StatsData

Parameter	Type	Description
totalSize	String	Total file size.
subDirCount	String	Total number of subdirectories.
subFileCount	String	Total number of subfiles.

Example Requests

Query the number of directories, number of files, and total file size in directory FnNGsBnXUdIW7AycSK4ZCTIIPJ6JO1_sF.

```
POST /koodrive/ose/v1/files/statsDir?
fileId=FnNGsBnXUdIW7AycSK4ZCTIIPJ6JO1_sF&containerId=IAAGvmhWei6Q7A4-
A1557836058161393920&recursive=true
Authorization:Bearer+10f88*****4791e9ff
```

Example Responses

Status code: 200

Search results.

```
{
  "code" : 0,
  "msg" : "success",
  "data" : {
    "totalSize" : 0,
    "subDirCount" : 1,
    "subFileCount" : 0
  }
}
```

Status Codes

Status Code	Description
200	Search results.

4.15.11 Obtaining the Full Name and ID Paths of a File

Function

Obtain the full name and ID paths of a file.

URI

GET /koodrive/ose/v1/files/path

Table 4-381 Query Parameters

Parameter	Mandatory	Type	Description
fileId	Yes	String	File ID.
containerId	Yes	String	Space ID.

Request Parameters

Table 4-382 Request header parameters

Parameter	Mandatory	Type	Description
Authorization	Yes	String	Access token. Token authentication is used to call KooDrive APIs. A token indicates the permission. When an API is called, the token is added to the request header to obtain the operation permission. For details about how to obtain an access token, see the corresponding developer guide. The format is Bearer +{access_token}.
X-Traceid	No	String	Message log trace ID. The value contains 58 bits.
language	No	String	Language code, which complies with the internationalization specifications. For example, en-US indicates English (United States). English (United States) is used by default.
X-User-Id	Yes	String	User ID, which is used for app authentication.
X-Date	Yes	String	Date, which is used for app authentication.
Host	Yes	String	Address, which is used for app authentication.

Response Parameters

Status code: 200**Table 4-383** Response body parameters

Parameter	Type	Description
code	String	Response code.
msg	String	Response message.
fileIdPath	String	Full path of the file ID.

Parameter	Type	Description
namePath	String	Full path of the file name.

Example Requests

Queries the full directory path of a file.

```
GET /koodrive/ose/v1/files/path?
fileId=FqS6hLLy_DkjlWdfOnEdCErhsmokRvdXI&containerId=IAADfsBFCO6WtAtuA315074383680425b8aa9a1
30cba2d4
Authorization:Bearer+10f88*****4791e9ff
```

Example Responses

Status code: 200

Full path information.

```
{
  "fileIdPath" : "/DEUI7pa0C24ArootIAADfsBFCO6WtAtuA315074383680425b8aa9a130cba2d4/
FkbdCAceMj89bprz5xLJASID1eaRqjLRP/FqIAmBliz7ovbThxeUBIOpbnCHaP_MTUL/
FqS6hLLy_DkjlWdfOnEdCErhsmokRvdXI",
  "namePath" : "/rootIAADfsBFCO6WtAtuA315074383680425b8aa9a130cba2d4/007/001/Batch Task Test",
  "code" : 0,
  "msg" : "OK"
}
```

Status Codes

Status Code	Description
200	Full path information.

4.16 File Favorites

4.16.1 Adding Files to Favorites

Function

Add files to favorites or remove files from favorites. Up to 100 files are supported.

URI

POST /koodrive/ose/v1/star/batch

Request Parameters

Table 4-384 Request header parameters

Parameter	Mandatory	Type	Description
Authorization	Yes	String	Access token. Token authentication is used to call KooDrive APIs. A token indicates the permission. When an API is called, the token is added to the request header to obtain the operation permission. For details about how to obtain an access token, see the corresponding developer guide. The format is Bearer+{access_token} .
X-Traceid	No	String	Message log trace ID. The value contains 58 bits.
X-User-Id	Yes	String	User ID, which is used for app authentication.
X-Date	Yes	String	Date, which is used for app authentication.
Host	Yes	String	Address, which is used for app authentication.

Table 4-385 Request body parameters

Parameter	Mandatory	Type	Description
starred	Yes	Boolean	Whether files are added to favorites.
subRequestList	Yes	Array of StarFileRequest objects	Files to be added to favorites.

Table 4-386 StarFileRequest

Parameter	Mandatory	Type	Description
containerId	Yes	String	Space ID.
fileId	Yes	String	File ID, which must be unique.

Response Parameters

Status code: 200

Table 4-387 Response body parameters

Parameter	Type	Description
status	Integer	Response status. 0 : all successful; 1 : partially successful; 2 : all failed.
subResponseList	Array of SubResponse objects	Sub-response list.
code	String	Response code.
msg	String	Response information.

Table 4-388 SubResponse

Parameter	Type	Description
fileId	String	File ID.
code	String	Response code.
message	String	Response information.

Example Requests

```
{
  "starred" : true,
  "subRequestList" : [ {
    "containerId" : "IAADfsBFCO6WtAtuA315074383680425b8aa9a130cba2d4",
    "fileId" : "Fn1bTLIOomJkTCAe9DEVBRy4U6lkuqkMZ"
  } ]
}
```

Example Responses

Status code: 200

OK

```
{
  "status" : 0,
  "subResponseList" : [ {
    "fileId" : "Fn1bTLIOomJkTCAe9DEVBRy4U6lkuqkMZ",
    "code" : "0",
    "message" : "success"
  } ]
}
```

Status Codes

Status Code	Description
200	OK

4.16.2 Listing Files in Favorites

Function

List files in favorites. Up to 100 files are supported each time.

URI

GET /koodrive/ose/v1/star/files

Table 4-389 Query Parameters

Parameter	Mandatory	Type	Description
pageSize	No	Integer	Number of records to be returned on each page. Default and maximum value: 100. It is possible that partial or empty result pages are returned before the end of the result list has been reached.
pageCursor	No	String	Current page cursor, which is obtained from nextCursor of the previous response.
sortType	No	Integer	Sorting type. 1 : by the time when a file is added to favorites (default).
sortDirection	No	Integer	Sorting order. 1 : ascending; 2 : descending (default).

Parameter	Mandatory	Type	Description
fileType	No	String	File type. • 10: folder. • 11: smart folder (available only to whitelisted users). • 15: image. • 20: video. • 26: Word file. • 27: Excel file. • 28: PowerPoint file. • 30: audio. • 35: compressed file. • 40: application. • 45: other.
imageProcess	No	String	Image operation, which can be used to specify the thumbnail size.

Request Parameters

Table 4-390 Request header parameters

Parameter	Mandatory	Type	Description
Authorization	Yes	String	Access token. Token authentication is used to call KooDrive APIs. A token indicates the permission. When an API is called, the token is added to the request header to obtain the operation permission. For details about how to obtain an access token, see the corresponding developer guide. The format is Bearer + <i>{access_token}</i> .
X-Traceid	No	String	Message log trace ID. The value contains 58 bits.
X-User-Id	Yes	String	User ID, which is used for app authentication.
X-Date	Yes	String	Date, which is used for app authentication.

Parameter	Mandatory	Type	Description
Host	Yes	String	Address, which is used for app authentication.

Response Parameters

Status code: 200

Table 4-391 Response body parameters

Parameter	Type	Description
nextCursor	String	Pagination cursor. If the cursor does not exist, the last record has been returned.
autoDeleted	Integer	Number of automatically deleted files (original files have been physically deleted).
starFiles	Array of StarFileInfo objects	Favorite file information.
code	String	Response code.
msg	String	Response information.

Table 4-392 StarFileInfo

Parameter	Type	Description
category	String	Type. The value is drive#file .
id	String	File ID.
fileName	String	File name, which contains up to 250 characters.
fileType	String	File type, which is input externally.
contentType	String	Content type.
favorite	Boolean	Whether the file is added to favorites.
recycled	Boolean	Whether the file is moved to the recycle bin.
parentFolder	Array of strings	List of parent directory IDs. Currently, only the first ID is used.

Parameter	Type	Description
properties	Map<String,String>	Common user-defined attributes of the file. The number of key-value pairs cannot exceed 30. A single key-value pair can contain up to 124 characters.
containers	Array of strings	Space ID.
createdTime	String	File creation time.
editedTime	String	File modification time.
editedByMe	Boolean	Whether the file is modified by you.
owners	Array of User objects	Owner.
lastEditor	User object	Last editor.
fullFileSuffix	String	Complete file name extension, which is the characters following the first period (.) in the name.
fileSuffix	String	File name extension, which is the last character string of fullFileExtension .
size	Integer	File size.
sha256	String	SHA256 of the file.
attachments	Array of Attachment objects	Attachment (purpose and attachment). Only the app ID of the risk control service is returned.
downloadLinks	Array of DownloadLink objects	Link for downloading FileProxy files.
userProperties	PrivateProperties object	User attributes.
starredTime	String	Time when the file is added to favorites.
filePath	String	File location, specific to the team name.
spaceType	String	Space type. • 1: individual space. • 2: team space. • 3: recycle bin. • 4: space without access permission.
invalid	Integer	Whether the file has expired. *0: normal; 1: expired.

Parameter	Type	Description
hidden	Boolean	Whether the file is hidden.
userCapabilities	userCapabilities object	User permissions.

Table 4-393 User

Parameter	Type	Description
category	String	Type. The value is drive#user .
userId	String	Huawei user ID.
displayName	String	Display name of the user.
me	Boolean	Whether you are the user.
permissionId	String	Permission ID.

Table 4-394 Attachment

Parameter	Type	Description
usage	String	Default usage: content or thumbnail . This parameter is customizable.
assetId	String	Asset ID
length	Long	File size.
versionId	String	Asset version ID.
mimeType	String	MIME type.
hash	String	Hash of the resource associated with the asset.
sha256	String	SHA256 of the resource associated with the asset.
createdTime	String	Time when the data is created.
modifiedTime	String	Time when the data is last modified.
attributes	Map<String, Object>	Type attributes.
asset	Asset object	Asset.

Table 4-395 Asset

Parameter	Type	Description
id	String	Asset ID
versionId	String	Asset version ID.
version	Long	Version number.
contentType	String	MIME type
keepPolicy	Integer	Storage policy of historical versions. • 0: automatic clearance. Two versions are retained. The earliest version is deleted when the third version is added. (This prevents obtaining failures in concurrent scenarios.) • 1: permanent storage.
state	Integer	Data status. • 0: available. • 1: unavailable. • 2: temporary. • 3: retained (flash upload unsupported). • 4: to be cut over.
createTime	String	Time when the data is created.
modifiedTime	String	Time when the data is last modified.
lastModifyingUser	String	UPID of the user that last modifies the data.
resource	Resource object	Resource.
cipher	Cipher object	Cipher.

Parameter	Type	Description
attributes	Map<String,Object>	Type attributes. A key consists of letters and digits and starts with a letter. A value cannot contain emojis. The size of an attribute is not limited, but the total size cannot exceed 16 KB. Attribute options: • pictureMetadata: image attribute data. For details, see the definition of PictureMetadata. • videoMetadata: video attribute data. For details, see the definition of VideoMetadata. • audioMetadata: audio attribute data. For details, see the definition of AudioMetadata. • contentDisposition: used when response-content-disposition is not specified for the downloaded attachment (valid when resource.type is set to 12).
properties	Map<String,String>	Extended attributes.

Table 4-396 Resource

Parameter	Type	Description
id	String	ID of the file resource.
hash	String	Hash of the file resource.
length	Long	Size of the file resource.
sha256	String	SHA256 of the file (used for integrity check).
type	Integer	Resource type. • 0: ciphertext multipart file. • 3: plaintext multipart file. • 12: plaintext single-part file.

Parameter	Type	Description
state	Integer	Data status. • 0: available. • 1: unavailable. • 2: temporary. • 3: retained (flash upload unsupported). • 4: to be cut over.
sliceSize	Long	Part size.
hkek	String	Hash of the FEK of the encrypted file. This parameter is applicable when type is set to 0 .
iv	String	IV of the encrypted file. This parameter is applicable when type is set to 0 .
createdTime	String	Time when the data is created.
modifiedTime	String	Time when the data is last modified.
objects	Array of SliceObject objects	Part object, which is applicable when type is set to 0 or 3 .
attributes	Map<String,Object>	Type attributes.
properties	Map<String,String>	Extended attributes.

Table 4-397 SliceObject

Parameter	Type	Description
id	String	Part ID.
number	Integer	Part No., starting from 0. This parameter is not applicable when type is set to 12 .
start	Long	Start position of a part, which is not applicable when type is set to 12 .
sha256	String	SHA256 of the part (or SHA256 of the ciphertext if the part is encrypted.)
length	Long	Part length (or ciphertext length if the part is encrypted).
bucket	String	OBS bucket information.

Parameter	Type	Description
createdTime	String	Time when the data is created.
modifiedTime	String	Time when the data is last modified.
uploadUrl	EndpointURL object	Upload URL.
downloadUrl	EndpointURL object	Download URL.
uploadId	String	Multipart upload ID. This parameter is applicable when type is set to 12 and uploadMode is set to multipart .
attributes	Map<String,Object>	Type attributes.
properties	Map<String,String>	Extended attributes.
images	Array of Images objects	Thumbnail.

Table 4-398 EndpointURL

Parameter	Type	Description
url	String	URL
method	String	http method
headers	Map<String,String>	http headers
forms	Map<String,String>	Form parameter, which is applicable when type is set to 12 and uploadMode is set to post .
partId	String	Multipart parameter, which is applicable when type is set to 12 and uploadMode is set to multipart .

Table 4-399 Images

Parameter	Type	Description
process	String	File resource name.
downloadUrl	EndpointURLMetadata object	URL structure for file upload or download.

Table 4-400 EndpointURLMetadata

Parameter	Type	Description
url	String	URL
method	String	http method

Table 4-401 Cipher

Parameter	Type	Description
algorithm	String	Encryption algorithm.
hfek	String	Hash of the FEK of the encrypted file. This parameter is applicable when type is set to 0 or 4 .
iv	String	IV of the encrypted file. This parameter is applicable when type is set to 0 or 4 .
dataType	Integer	Data type. • 11: sync drive.
keychains	Array of Keychain objects	Keychain.

Table 4-402 Keychain

Parameter	Type	Description
id	String	Key UUID.
type	Integer	Key type. • 1: efek. • 2: zfek. • 3: sfek.
algorithm	String	Encryption algorithm.
ekey	String	Encrypted key.

Table 4-403 DownloadLink

Parameter	Type	Description
usage	String	Default usage: content or thumbnail . This parameter is customizable.

Parameter	Type	Description
downloadLink	String	Attachment download link.
version	Integer	Attachment version.

Table 4-404 PrivateProperties

Parameter	Type	Description
attributes	Map<String,Object>	Type attributes (The size of a single attribute is not limited, but the total size cannot exceed 16 KB.)
properties	Map<String,String>	Extended attributes (The size of a single attribute is not limited, but the total size cannot exceed 16 KB.)

Table 4-405 userCapabilities

Parameter	Type	Description
addChildNodePermission	Boolean	Whether the user can add sub-directories or sub-files.
copyPermission	Boolean	Whether the user can copy files.
deletePermission	Boolean	Whether the user can delete files.
downloadPermission	Boolean	Whether the user can download content.
editPermission	Boolean	Whether the user can edit files.
listChildNodePermission	Boolean	Whether the user can list sub-directories or sub-files.
removeChildNodePermission	Boolean	Whether the user can move sub-directories.
renameFilePermission	Boolean	Whether the user can rename files.
shareFilePermission	Boolean	Whether the user can share files.
uploadPermission	Boolean	Whether the user can upload files.
viewPermission	Boolean	Whether the user can preview files.

Example Requests

None

Example Responses

None

Status Codes

Status Code	Description
200	OK

4.17 Sharing Management - Shared by You

4.17.1 Sharing a File

Function

Share a file.

URI

POST /koodrive/ose/v1/share

Request Parameters

Table 4-406 Request header parameters

Parameter	Mandatory	Type	Description
Authorization	Yes	String	Access token. Token authentication is used to call KooDrive APIs. A token indicates the permission. When an API is called, the token is added to the request header to obtain the operation permission. For details about how to obtain an access token, see the corresponding developer guide. The format is Bearer +{access_token}.
X-Traceid	No	String	Service trace ID, which contains 58 bits.

Parameter	Mandatory	Type	Description
X-User-Id	Yes	String	User ID, which is used for app authentication.
X-Date	Yes	String	Date, which is used for app authentication.
Host	Yes	String	Address, which is used for app authentication.

Table 4-407 Request body parameters

Parameter	Mandatory	Type	Description
scope	Yes	Integer	Sharing scope. 1 : users who receive the link (only for whitelisted users); 2 : only enterprise users; 3 : specified enterprise users.
deptIds	No	Array of strings	Department ID list.
groupIds	No	Array of strings	List of user group IDs.
userIds	No	Array of strings	User ID list.
fileIds	Yes	Array of strings	File ID list.
containerId	Yes	String	Space ID.
permission	No	SharePermission object	Sharing permission (supported in the future).
extractCode	No	String	Access code.
expireTime	No	String	Expiration time.
comment	No	String	Sharing message.
validDays	Yes	Integer	Sharing validity period. Value range: 1 to 365 days.
expiredType	No	String	Invalidation type.

Table 4-408 SharePermission

Parameter	Mandatory	Type	Description
preview	No	Boolean	Preview permission.
edit	No	Boolean	Editing permission.
download	No	Boolean	Download permission.

Response Parameters

Status code: 200

Table 4-409 Response body parameters

Parameter	Type	Description
code	String	Response code.
msg	String	Response information.
shareLink	shareLink object	Sharing link information.

Table 4-410 shareLink

Parameter	Type	Description
shareId	String	Sharing ID.
shortUrl	String	Sharing short code.
linkUrl	String	Sharing link.
extractCode	String	Access code.
comment	String	Message.
expireTime	String	Expiration time.

Example Requests

```
POST /koodrive/ose/v1/share

Authorization:Bearer+10f88*****4791e9ff

{
  "scope": 0,
  "deptIds": [
    "string"
  ],
  "groupIds": [
    "string"
  ],
  "userIds": [
```

```
{
  "string": "string",
  "fileIds": [
    "string"
  ],
  "containerId": "string",
  "permission": {
    "preview": true,
    "edit": true,
    "download": true
  },
  "extractCode": "string",
  "expireTime": "2024-06-03T01:54:57.288Z",
  "comment": "string",
  "validDays": 0
}
```

Example Responses

Status code: 200

OK

```
{
  "shareLink" : {
    "shareId" : "1537770199275722240",
    "shortUrl" : "1537770199275722241",
    "linkUrl" : "https://kdconsole-test-gray.hwcloudtest.cn:8080/cloudfile/#/sharelink/i/1537770199275722241",
    "extractCode" : "",
    "comment" : "",
    "expireTime" : "2024-10-29T09:14:52.948Z"
  },
  "code" : 0,
  "msg" : "success"
}
```

Status Codes

Status Code	Description
200	OK

4.17.2 Listing My Shares

Function

List files shared by you. One sharing record occupies one line. When multiple files are shared, a folder with the first file name is displayed. When a single file is shared, the file information is displayed.

URI

GET /koodrive/ose/v1/share

Table 4-411 Query Parameters

Parameter	Mandatory	Type	Description
pageSize	No	Integer	Number of records to be returned on each page. Default and maximum value: 100. It is possible that partial or empty result pages are returned before the end of the result list has been reached.
pageCursor	No	String	Current page cursor, which is obtained from nextCursor of the previous response. Default value: 0 .
sortType	No	Integer	Sorting type. 4 : by sharing time (default).
sortDirection	No	Integer	Sorting order. 1 : ascending; 2 : descending (default).
displayName	No	String	Fuzzy match by display name is supported.
imageProcess	No	String	Image operation, which can be used to specify the thumbnail size.

Request Parameters

Table 4-412 Request header parameters

Parameter	Mandatory	Type	Description
Authorization	Yes	String	Access token. Token authentication is used to call KooDrive APIs. A token indicates the permission. When an API is called, the token is added to the request header to obtain the operation permission. For details about how to obtain an access token, see the corresponding developer guide. The format is Bearer+{access_token} .
X-Traceid	No	String	Service trace ID, which contains 58 bits.

Parameter	Mandatory	Type	Description
X-User-Id	Yes	String	User ID, which is used for app authentication.
X-Date	Yes	String	Date, which is used for app authentication.
Host	Yes	String	Address, which is used for app authentication.

Response Parameters

Status code: 200

Table 4-413 Response body parameters

Parameter	Type	Description
code	String	Response code.
msg	String	Response information.
nextCursor	String	Pagination cursor. If the cursor does not exist, the last record has been returned.
shareLinks	Array of ShareByMeLink objects	Sharing link list.

Table 4-414 ShareByMeLink

Parameter	Type	Description
shareId	String	Sharing ID.
shortUrl	String	Sharing short code.
linkUrl	String	Sharing link.
shareTime	String	Time when the file is shared.
scope	Integer	Sharing scope. 1 : users who receive the link (only for whitelisted users); 2 : only enterprise users; 3 : specified enterprise users.
files	Array of ShareFileInfo objects	List of shared files.

Parameter	Type	Description
displayName	String	Display name.
expireTime	String	Expiration time.
status	Integer	Sharing status. 0 : determined based on the expiration time. 1 : The file has been deleted. 2 : expired.
comment	String	Sharing message.
viewCnt	Integer	Number of views.
downloadCnt	Integer	Number of download times (supported in the future).
saveCnt	Integer	Number of dump times (supported in the future).
containerId	String	ID of the space to which the shared file belongs.
containerName	String	Space to which the shared file belongs.

Table 4-415 ShareFileInfo

Parameter	Type	Description
id	String	*File ID.
fileName	String	*File name, which contains up to 250 bytes.
fileType	String	File type.
mimeType	String	*Content type.
size	Integer	File size.
parentFolder	Array of strings	List of parent directory IDs. Currently, only the first ID is used.
fileSuffix	String	File name extension, which is the last character string of fullFileExtension .
containers	Array of strings	Space ID.
downloadLinks	Array of downloadLinks objects	Download link.
recycled	Boolean	Whether the file is in the recycle bin.

Table 4-416 downloadLinks

Parameter	Type	Description
usage	String	Default usage: content or thumbnail . This parameter is customizable.
downloadLink	String	Download link.

Example Requests

```
GET /koodrive/ose/v1/share?pageSize=&pageCursor=0&sortType=2&sortDirection=4&displayName=
Authorization:Bearer+10f88*****5a544791e9ff
```

Example Responses

Status code: 200

OK

```
{
  "code" : "string",
  "msg" : "string",
  "nextCursor" : "string",
  "shareLinks" : [ {
    "shareId" : "string",
    "shortUrl" : "string",
    "linkUrl" : "string",
    "shareTime" : "2024-06-03T01:58:35.419Z",
    "scope" : 0,
    "files" : [ {
      "id" : "string",
      "fileName" : "string",
      "fileType" : "string",
      "mimeType" : "string",
      "size" : 0,
      "parentFolder" : [ "string" ],
      "fileSuffix" : "string",
      "containers" : [ "string" ]
    } ],
    "displayName" : "string",
    "permission" : {
      "preview" : true,
      "edit" : true,
      "download" : true
    },
    "extractCode" : "string",
    "expireTime" : "2024-06-03T01:58:35.419Z",
    "status" : 0,
    "comment" : "string",
    "viewCnt" : 0,
    "downloadCnt" : 0,
    "saveCnt" : 0,
    "containerId" : "string",
    "containerName" : "string"
  } ]
}
```

Status Codes

Status Code	Description
200	OK

4.17.3 Obtaining Sharing Details

Function

Obtain sharing details.

URI

GET /koodrive/ose/v1/share/{shareId}

Table 4-417 Path Parameters

Parameter	Mandatory	Type	Description
shareId	Yes	String	Sharing ID.

Request Parameters

Table 4-418 Request header parameters

Parameter	Mandatory	Type	Description
Authorization	Yes	String	Access token. Token authentication is used to call KooDrive APIs. A token indicates the permission. When an API is called, the token is added to the request header to obtain the operation permission. For details about how to obtain an access token, see the corresponding developer guide. The format is Bearer+{access_token} .
X-Traceid	No	String	Service trace ID, which contains 58 bits.
X-User-Id	Yes	String	User ID, which is used for app authentication.

Parameter	Mandatory	Type	Description
X-Date	Yes	String	Date, which is used for app authentication.
Host	Yes	String	Address, which is used for app authentication.

Response Parameters

Status code: 200

Table 4-419 Response body parameters

Parameter	Type	Description
code	String	Response code.
msg	String	Response information.
shareLink	ShareByMeLinkDetail object	Details about the sharing link.

Table 4-420 ShareByMeLinkDetail

Parameter	Type	Description
shareId	String	Sharing ID.
shortUrl	String	Sharing short code.
linkUrl	String	Sharing link.
shareTime	String	Time when the file is shared.
scope	Integer	Sharing scope. 1 : users who receive the link (only for whitelisted users); 2 : only enterprise users; 3 : specified enterprise users.
depts	Array of DeptInfo objects	Department list.
groups	Array of GroupInfo objects	User group list.
users	Array of UserInfo objects	User list.
displayName	String	Display name.
permission	SharePermission object	Sharing permission (supported in the future).

Parameter	Type	Description
extractCode	String	Access code.
expireTime	String	Expiration time.
status	Integer	Sharing status. 0 : determined based on the expiration time. 1 : The file has been deleted. 2 : expired.
comment	String	Sharing message.

Table 4-421 DeptInfo

Parameter	Type	Description
id	String	Department ID.
name	String	Department name.

Table 4-422 GroupInfo

Parameter	Type	Description
id	String	User group ID.
name	String	User group name.

Table 4-423 UserInfo

Parameter	Type	Description
id	String	User ID.
name	String	Username.

Table 4-424 SharePermission

Parameter	Type	Description
preview	Boolean	Preview permission.
edit	Boolean	Editing permission.
download	Boolean	Download permission.

Example Requests

```
GET /koodrive/ose/v1/share/{shareId}

Authorization:Bearer+10f88*****5a544791e9ff
```

Example Responses

Status code: 200

OK

```
{
  "code" : "string",
  "msg" : "string",
  "shareLink" : {
    "shareId" : "string",
    "shortUrl" : "string",
    "linkUrl" : "string",
    "shareTime" : "2024-06-03T01:59:05.324Z",
    "scope" : 0,
    "depts" : [ {
      "id" : "string",
      "name" : "string"
    } ],
    "groups" : [ {
      "id" : "string",
      "name" : "string"
    } ],
    "users" : [ {
      "id" : "string",
      "name" : "string"
    } ],
    "displayName" : "string",
    "permission" : {
      "preview" : true,
      "edit" : true,
      "download" : true
    },
    "extractCode" : "string",
    "expireTime" : "2024-06-03T01:59:05.324Z",
    "status" : 0,
    "comment" : "string"
  }
}
```

Status Codes

Status Code	Description
200	OK

4.17.4 Modifying Sharing Settings

Function

Modify sharing settings.

URI

PUT /koodrive/ose/v1/share/{shareId}

Table 4-425 Path Parameters

Parameter	Mandatory	Type	Description
shareId	Yes	String	Sharing ID.

Request Parameters

Table 4-426 Request header parameters

Parameter	Mandatory	Type	Description
Authorization	Yes	String	Access token. Token authentication is used to call KooDrive APIs. A token indicates the permission. When an API is called, the token is added to the request header to obtain the operation permission. For details about how to obtain an access token, see the corresponding developer guide. The format is Bearer +{access_token}.
X-Traceid	No	String	Service trace ID, which contains 58 bits.
X-User-Id	Yes	String	User ID, which is used for app authentication.
X-Date	Yes	String	Date, which is used for app authentication.
Host	Yes	String	Address, which is used for app authentication.

Table 4-427 Request body parameters

Parameter	Mandatory	Type	Description
deptIds	No	Array of strings	Department ID list.
groupIds	No	Array of strings	List of user group IDs.

Parameter	Mandatory	Type	Description
userIds	No	Array of strings	User ID list.
permission	No	SharePermission object	Sharing permission (supported in the future).
expireTime	No	String	Expiration time.
extractCode	No	String	Access code.
comment	No	String	Sharing message.
validDays	Yes	Integer	Sharing validity period, ranging from 0 to 365 days. 0 indicates no change.

Table 4-428 SharePermission

Parameter	Mandatory	Type	Description
preview	No	Boolean	Preview permission.
edit	No	Boolean	Editing permission.
download	No	Boolean	Download permission.

Response Parameters

Status code: 200

Table 4-429 Response body parameters

Parameter	Type	Description
code	String	Response code.
msg	String	Response information.
shareLink	shareLink object	Sharing link information.

Table 4-430 shareLink

Parameter	Type	Description
shareId	String	Sharing ID.
shortUrl	String	Sharing link.
extractCode	String	Access code.

Parameter	Type	Description
createTime	String	Creation time.
updateTime	String	Modification time.
expireTime	String	Expiration time.
linkUrl	String	Sharing link.
shareTime	String	Time when the file is shared.
scope	Integer	Scope.
displayName	String	Display name.
status	Integer	Status.
viewCnt	String	Number of views.
downloadCnt	String	Download times.
saveCnt	String	Save times.

Example Requests

```
PUT /koodrive/ose/v1/share/{shareId}

{
  "deptIds" : [ "string" ],
  "groupIds" : [ "string" ],
  "userIds" : [ "string" ],
  "permission" : {
    "preview" : true,
    "edit" : true,
    "download" : true
  },
  "expireTime" : "2024-06-03T02:00:39.952Z",
  "extractCode" : "string",
  "comment" : "string",
  "validDays" : 0
}
```

Example Responses

Status code: 200

OK

```
{
  "code" : "string",
  "msg" : "string",
  "shareLink" : {
    "shareId" : "string",
    "shortUrl" : "string",
    "extractCode" : "string",
    "createTime" : "2024-06-03T02:00:39.953Z",
    "updateTime" : "2024-06-03T02:00:39.953Z",
    "expireTime" : "2024-06-03T02:00:39.953Z"
  }
}
```

Status Codes

Status Code	Description
200	OK

4.17.5 Stopping Sharing Files

Function

Stop sharing files.

URI

POST /koodrive/ose/v1/share/cancel

Request Parameters

Table 4-431 Request header parameters

Parameter	Mandatory	Type	Description
Authorization	Yes	String	Access token. Token authentication is used to call KooDrive APIs. A token indicates the permission. When an API is called, the token is added to the request header to obtain the operation permission. For details about how to obtain an access token, see the corresponding developer guide. The format is Bearer +{access_token}.
X-Traceid	No	String	Service trace ID, which contains 58 bits.
X-User-Id	Yes	String	User ID, which is used for app authentication.
X-Date	Yes	String	Date, which is used for app authentication.
Host	Yes	String	Address, which is used for app authentication.

Table 4-432 Request body parameters

Parameter	Mandatory	Type	Description
shareIds	No	Array of strings	List of IDs for canceling sharing. Up to 100 IDs can be canceled at a time.

Response Parameters

Status code: 200

Table 4-433 Response body parameters

Parameter	Type	Description
code	String	Response code.
msg	String	Response information.
subResponseList	Array of ShareSubResponse objects	Sub-response list.

Table 4-434 ShareSubResponse

Parameter	Type	Description
code	Integer	Sub-response code.
msg	String	Sub-response message.

Example Requests

```
POST /koodrive/ose/v1/share/cancel
{
  "shareIds": [ "string" ]
}
```

Example Responses

Status code: 200

OK

```
{
  "code": "string",
  "msg": "string",
  "subResponseList": [ {
    "shareId": "string",
    "code": "string",
    "msg": "string"
  }
]
```

```
}]  
}
```

Status Codes

Status Code	Description
200	OK

4.18 Sharing Management - Shared with You

4.18.1 Listing Files Shared with You

Function

List files shared with you.

URI

GET /koodrive/ose/v1/share/received

Table 4-435 Query Parameters

Parameter	Mandatory	Type	Description
pageSize	No	Integer	Number of records to be returned on each page. Default and maximum value: 100. It is possible that partial or empty result pages are returned before the end of the result list has been reached.
pageCursor	No	String	Current page cursor, which is obtained from nextCursor of the previous response. Default value: 0 .
sortType	No	Integer	Sorting type. 4 : by sharing time (default).
sortDirection	No	Integer	Sorting order. 1 : ascending; 2 : descending (default).
displayName	No	String	Fuzzy match by display name is supported.
imageProcess	No	String	Image operation, which can be used to specify the thumbnail size.

Request Parameters

Table 4-436 Request header parameters

Parameter	Mandatory	Type	Description
Authorization	Yes	String	Access token. Token authentication is used to call KooDrive APIs. A token indicates the permission. When an API is called, the token is added to the request header to obtain the operation permission. For details about how to obtain an access token, see the corresponding developer guide. The format is Bearer +{access_token}.
X-Traceid	No	String	Service trace ID, which contains 58 bits.
X-User-Id	Yes	String	User ID, which is used for app authentication.
X-Date	Yes	String	Date, which is used for app authentication.
Host	Yes	String	Address, which is used for app authentication.

Response Parameters

Status code: 200

Table 4-437 Response body parameters

Parameter	Type	Description
code	Integer	Response code.
msg	String	Response information.
nextCursor	String	Pagination cursor. If the cursor does not exist, the last record has been returned.
shareLinks	Array of ShareWithMeLink objects	Sharing link list.

Table 4-438 ShareWithMeLink

Parameter	Type	Description
shareId	String	Sharing ID.
shortUrl	String	Sharing short code.
linkUrl	String	Sharing link.
shareTime	String	Time when the file is shared.
ownerId	String	Sharer ID.
ownerName	String	Sharer name.
displayName	String	Display name.
files	Array of ShareFileInfo objects	List of shared files.
permission	SharePermission object	Sharing permission (supported in the future).
expireTime	String	Expiration time.
status	Integer	Sharing status. 0 : determined based on the expiration time. 1 : The file has been deleted. 2 : expired.
comment	String	Sharing message.
containerId	String	Space ID.
downloadCnt	Integer	Download times.
saveCnt	Integer	Save times.
scope	String	Scope.
updateTime	String	Update time.
viewCnt	String	Number of views.

Table 4-439 ShareFileInfo

Parameter	Type	Description
id	String	*File ID.
fileName	String	*File name, which contains up to 250 bytes.
fileType	String	File type.
mimeType	String	*Content type.

Parameter	Type	Description
size	Integer	File size.
parentFolder	Array of strings	List of parent directory IDs. Currently, only the first ID is used.
fileSuffix	String	File name extension, which is the last character string of fullFileExtension .
containers	Array of strings	Space ID.
downloadLinks	Array of downloadLinks objects	Download link.
recycled	Boolean	Whether the file is in the recycle bin.

Table 4-440 downloadLinks

Parameter	Type	Description
usage	String	Default usage: content or thumbnail . This parameter is customizable.
downloadLink	String	Download link.

Table 4-441 SharePermission

Parameter	Type	Description
preview	Boolean	Preview permission.
edit	Boolean	Editing permission.
download	Boolean	Download permission.

Example Requests

```
GET /koodrive/ose/v1/share/received?
pageSize=&pageCursor=0&sortType=2&sortDirection=4&displayName=&tenantId=String
Authorization:Bearer+10f88*****5a544791e9ff
```

Example Responses

Status code: 200

OK

```
{
  "code" : "string",
  "msg" : "string",
}
```

```
"nextCursor" : "string",
"shareLinks" : [ {
  "shareId" : "string",
  "shortUrl" : "string",
  "linkUrl" : "string",
  "shareTime" : "2024-06-03T02:02:00.797Z",
  "ownerId" : "string",
  "ownerName" : "string",
  "displayName" : "string",
  "files" : [ {
    "id" : "string",
    "fileName" : "string",
    "fileType" : "string",
    "mimeType" : "string",
    "size" : 0,
    "parentFolder" : [ "string" ],
    "fileSuffix" : "string",
    "containers" : [ "string" ]
  } ],
  "permission" : {
    "preview" : true,
    "edit" : true,
    "download" : true
  },
  "expireTime" : "2024-06-03T02:02:00.797Z",
  "status" : 0,
  "comment" : "string"
} ]
}
```

Status Codes

Status Code	Description
200	OK

4.18.2 Obtain Sharing Details

Function

Obtain sharing details.

URI

GET /koodrive/ose/v1/share/received/{shareId}

Table 4-442 Path Parameters

Parameter	Mandatory	Type	Description
shareId	Yes	String	Sharing ID.

Request Parameters

Table 4-443 Request header parameters

Parameter	Mandatory	Type	Description
Authorization	Yes	String	Access token. Token authentication is used to call KooDrive APIs. A token indicates the permission. When an API is called, the token is added to the request header to obtain the operation permission. For details about how to obtain an access token, see the corresponding developer guide. The format is Bearer + <i>{access_token}</i> .
X-Traceid	No	String	Service trace ID, which contains 58 bits.
X-User-Id	Yes	String	User ID, which is used for app authentication.
X-Date	Yes	String	Date, which is used for app authentication.
Host	Yes	String	Address, which is used for app authentication.

Response Parameters

Status code: 200**Table 4-444** Response body parameters

Parameter	Type	Description
code	Integer	Response code.
msg	String	Response information.
shareLink	ShareWithMeLinkDetail object	Information about the link shared with you.

Table 4-445 ShareWithMeLinkDetail

Parameter	Type	Description
shareId	String	Sharing ID.

Parameter	Type	Description
shortUrl	String	Sharing short code.
linkUrl	String	Sharing link.
shareTime	String	Time when the file is shared.
ownerId	String	Sharer ID.
ownerName	String	Sharer name.
displayName	String	Display name.
permission	SharePermission object	Sharing permission (supported in the future).
expireTime	String	Expiration time.
status	Integer	Sharing status. 1: The file has been deleted.
comment	String	Sharing message.

Table 4-446 SharePermission

Parameter	Type	Description
preview	Boolean	Preview permission.
edit	Boolean	Editing permission.
download	Boolean	Download permission.

Example Requests

```
GET /koodrive/ose/v1/share/received/{shareId}
Authorization:Bearer+10f88*****5a544791e9ff
```

Example Responses

Status code: 200

OK

```
{
  "code" : "string",
  "msg" : "string",
  "shareLink" : {
    "shareId" : "string",
    "shortUrl" : "string",
    "linkUrl" : "string",
    "shareTime" : "string",
    "ownerId" : "string",
    "ownerName" : "string",
    "displayName" : "string",
    "permission" : {
```

```
"preview" : true,
"edit" : true,
"download" : true
},
"expireTime" : "2024-06-03T02:18:51.520Z",
"status" : 0,
"comment" : "string"
}
}
```

Status Codes

Status Code	Description
200	OK

4.18.3 Removing Yourself from Shared Files

Function

Remove yourself from shared files.

URI

POST /koodrive/ose/v1/share/exit

Request Parameters

Table 4-447 Request header parameters

Parameter	Mandatory	Type	Description
Authorization	Yes	String	Access token. Token authentication is used to call KooDrive APIs. A token indicates the permission. When an API is called, the token is added to the request header to obtain the operation permission. For details about how to obtain an access token, see the corresponding developer guide. The format is Bearer+{access_token} .
X-Traceid	No	String	Service trace ID, which contains 58 bits.
X-User-Id	Yes	String	User ID, which is used for app authentication.

Parameter	Mandatory	Type	Description
X-Date	Yes	String	Date, which is used for app authentication.
Host	Yes	String	Address, which is used for app authentication.

Table 4-448 Request body parameters

Parameter	Mandatory	Type	Description
shareIds	Yes	Array of strings	List of IDs of target shared files.

Response Parameters

Status code: 200

Table 4-449 Response body parameters

Parameter	Type	Description
code	Integer	Response code.
msg	String	Response information.
subResponseList	Array of ShareSubResponse objects	Sub-response list.

Table 4-450 ShareSubResponse

Parameter	Type	Description
code	Integer	Sub-response code.
msg	String	Sub-response message.

Example Requests

```
POST /koodrive/ose/v1/share/exit
{
  "shareIds": [ "string" ]
}
```

Example Responses

Status code: 200

OK

```
{
  "code" : "string",
  "msg" : "string",
  "subResponseList" : [ {
    "code" : "string",
    "message" : "string"
  } ]
}
```

Status Codes

Status Code	Description
200	OK

4.19 Sharing Management - Access Links

4.19.1 Accessing a Sharing Link.

Function

Access a sharing link.

URI

GET /koodrive/ose/v1/share/visit

Table 4-451 Query Parameters

Parameter	Mandatory	Type	Description
shortUrl	Yes	String	Sharing short code.

Request Parameters

Table 4-452 Request header parameters

Parameter	Mandatory	Type	Description
Authorization	Yes	String	Access token. Token authentication is used to call KooDrive APIs. A token indicates the permission. When an API is called, the token is added to the request header to obtain the operation permission. For details about how to obtain an access token, see the corresponding developer guide. The format is Bearer +{ <i>access_token</i> }.
X-Traceid	No	String	Service trace ID, which contains 58 bits.
X-User-Id	Yes	String	User ID, which is used for app authentication.
X-Date	Yes	String	Date, which is used for app authentication.
Host	Yes	String	Address, which is used for app authentication.

Response Parameters

Status code: 200

Table 4-453 Response body parameters

Parameter	Type	Description
code	Integer	Response code.
msg	String	Response information.

Example Requests

```
GET /koodrive/ose/v1/share/visit?shortUrl=String
Authorization:Bearer+10f88*****5a544791e9ff
```

Example Responses

Status code: 200

OK

```
{
  "code" : "integer",
  "msg" : "string"
}
```

Status Codes

Status Code	Description
200	OK

4.19.2 Obtaining Sharing Information

Function

Obtain sharing information.

URI

GET /koodrive/ose/v1/share/userInfo

Table 4-454 Query Parameters

Parameter	Mandatory	Type	Description
shortUrl	Yes	String	Sharing short code.

Request Parameters

Table 4-455 Request header parameters

Parameter	Mandatory	Type	Description
Authorization	Yes	String	Access token. Token authentication is used to call KooDrive APIs. A token indicates the permission. When an API is called, the token is added to the request header to obtain the operation permission. For details about how to obtain an access token, see the corresponding developer guide. The format is Bearer+{access_token} .

Parameter	Mandatory	Type	Description
X-Traceid	No	String	Service trace ID, which contains 58 bits.
X-User-Id	Yes	String	User ID, which is used for app authentication.
X-Date	Yes	String	Date, which is used for app authentication.
Host	Yes	String	Address, which is used for app authentication.

Response Parameters

Status code: 200

Table 4-456 Response body parameters

Parameter	Type	Description
code	Integer	Response code.
msg	String	Response information.
link	CommonShareLink object	Public information of the access link.

Table 4-457 CommonShareLink

Parameter	Type	Description
shareId	String	Sharing ID.
shortUrl	String	Sharing short code.
shareTime	String	Time when the file is shared.
ownerId	String	Sharer ID.
ownerName	String	Sharer name.
permission	SharePermission object	Sharing permission (supported in the future).
expireTime	String	Expiration time.
status	Integer	Sharing status. 0 : determined based on the expiration time. 1 : The file has been deleted. 2 : expired.
expireDate	String	Validity period.

Table 4-458 SharePermission

Parameter	Type	Description
preview	Boolean	Preview permission.
edit	Boolean	Editing permission.
download	Boolean	Download permission.

Example Requests

```
GET /koodrive/ose/v1/share/userInfo?shortUrl=String
Authorization:Bearer+10f88*****5a544791e9ff
```

Example Responses

Status code: 200

OK

```
{
  "code" : "string",
  "msg" : "string",
  "link" : {
    "shareId" : "string",
    "shortUrl" : "string",
    "shareTime" : "2024-06-03T02:20:24.274Z",
    "ownerId" : "string",
    "ownerName" : "string",
    "permission" : {
      "preview" : true,
      "edit" : true,
      "download" : true
    },
    "expireTime" : "2024-06-03T02:20:24.274Z",
    "expireDate" : "3",
    "status" : 0
  }
}
```

Status Codes

Status Code	Description
200	OK

4.19.3 Verifying a Sharing Access Code

Function

Verify a sharing access code.

URI

POST /koodrive/ose/v1/share/verify

Request Parameters

Table 4-459 Request header parameters

Parameter	Mandatory	Type	Description
Authorization	Yes	String	Access token. Token authentication is used to call KooDrive APIs. A token indicates the permission. When an API is called, the token is added to the request header to obtain the operation permission. For details about how to obtain an access token, see the corresponding developer guide. The format is Bearer +{access_token}.
X-Traceid	No	String	Service trace ID, which contains 58 bits.
X-User-Id	Yes	String	User ID, which is used for app authentication.
X-Date	Yes	String	Date, which is used for app authentication.
Host	Yes	String	Address, which is used for app authentication.

Table 4-460 Request body parameters

Parameter	Mandatory	Type	Description
shortUrl	Yes	String	Sharing short link.
extractCode	Yes	String	Sharing code.

Response Parameters

Status code: 200

Table 4-461 Response body parameters

Parameter	Type	Description
code	Integer	Response code.
msg	String	Response information.
kdtoken	String	Temporary token.

Example Requests

```
POST /koodrive/ose/v1/share/verify
{
  "shortUrl" : "string",
  "extractCode" : "string"
}
```

Example Responses

Status code: 200

OK

```
{
  "code" : "integer",
  "msg" : "string",
  "kdtoken" : "string"
}
```

Status Codes

Status Code	Description
200	OK

4.19.4 Listing Files Shared with You

Function

List shared files.

URI

POST /koodrive/ose/v1/share/files

Request Parameters

Table 4-462 Request header parameters

Parameter	Mandatory	Type	Description
Authorization	Yes	String	Access token. Token authentication is used to call KooDrive APIs. A token indicates the permission. When an API is called, the token is added to the request header to obtain the operation permission. For details about how to obtain an access token, see the corresponding developer guide. The format is Bearer + <i>{access_token}</i> .
X-Traceid	No	String	Service trace ID, which contains 58 bits.
X-User-Id	Yes	String	User ID, which is used for app authentication.
X-Date	Yes	String	Date, which is used for app authentication.
Host	Yes	String	Address, which is used for app authentication.

Table 4-463 Request body parameters

Parameter	Mandatory	Type	Description
shortUrl	Yes	String	Sharing short code.
parentFolder	No	String	Parent directory ID.
pageSize	No	Integer	Number of records to be returned on each page. Default and maximum value: 100. It is possible that partial or empty result pages are returned before the end of the result list has been reached.
pageCursor	No	String	Current page cursor, which is obtained from nextCursor of the previous response.

Parameter	Mandatory	Type	Description
sortType	No	Integer	Sorting type. 1: by file name; 2: by file size; 4: by modification time (default).
sortDirection	No	Integer	Sorting order. 1: ascending; 2: descending (default).
kdtoken	No	String	Temporary token for sharing.
refreshCount	No	Boolean	Whether this API call is counted as a file view.
fileName	No	String	File name.
imageProcess	No	String	Image operation, which can be used to specify the thumbnail size.

Response Parameters

Status code: 200

Table 4-464 Response body parameters

Parameter	Type	Description
code	Integer	Response code.
msg	String	Response information.
nextCursor	String	Pagination cursor. If the cursor does not exist, the last record has been returned.
link	CommonShareLink object	Public information of the access link.
files	Array of ShareFile objects	List of shared files.

Table 4-465 CommonShareLink

Parameter	Type	Description
shareId	String	Sharing ID.
shortUrl	String	Sharing short code.
shareTime	String	Time when the file is shared.
ownerId	String	Sharer ID.

Parameter	Type	Description
ownerName	String	Sharer name.
permission	SharePermission object	Sharing permission (supported in the future).
expireTime	String	Expiration time.
status	Integer	Sharing status. 0 : determined based on the expiration time. 1 : The file has been deleted. 2 : expired.
expireDate	String	Validity period.

Table 4-466 SharePermission

Parameter	Type	Description
preview	Boolean	Preview permission.
edit	Boolean	Editing permission.
download	Boolean	Download permission.

Table 4-467 ShareFile

Parameter	Type	Description
id	String	*File ID.
fileName	String	*File name, which contains up to 250 bytes.
fileType	String	File type, which is input externally.
parentFolder	Array of strings	List of parent directory IDs. Currently, only the first ID is used.
fileSuffix	String	File name extension, which is the last character string of fullFileExtension .
size	Integer	File size.
containers	Array of strings	Space ID.
downloadLinks	Map<String, downloadLinks >	Download link.
editedTime	String	File modification time.

Table 4-468 downloadLinks

Parameter	Type	Description
usage	String	Default usage: content or thumbnail . This parameter is customizable.
downloadLink	String	Download link.

Example Requests

```
POST /koodrive/ose/v1/share/files
{
  "shortUrl" : "string",
  "parentFolder" : "string",
  "pageSize" : 0,
  "pageCursor" : "string",
  "sortType" : 0,
  "sortDirection" : 0,
  "kdstoken" : "string",
  "refreshCount" : true,
  "fileName" : "string"
}
```

Example Responses

Status code: 200

OK

```
{
  "code" : "string",
  "msg" : "string",
  "nextCursor" : "string",
  "link" : {
    "shareId" : "string",
    "shortUrl" : "string",
    "shareTime" : "2024-06-03T02:23:40.607Z",
    "ownerId" : "string",
    "ownerName" : "string",
    "permission" : {
      "preview" : true,
      "edit" : true,
      "download" : true
    },
    "expireTime" : "2024-06-03T02:23:40.607Z",
    "expireDate" : "3",
    "status" : 0
  },
  "files" : [ {
    "id" : "string",
    "fileName" : "string",
    "fileType" : "string",
    "parentFolder" : [ "string" ],
    "fileSuffix" : "string",
    "size" : 0,
    "containers" : [ "string" ],
    "editedTime" : "2024-06-03T02:23:40.607Z"
  } ]
}
```

Status Codes

Status Code	Description
200	OK

4.19.5 Downloading a File

Function

Download a file.

URI

POST /koodrive/ose/v1/share/download

Request Parameters

Table 4-469 Request header parameters

Parameter	Mandatory	Type	Description
Authorization	Yes	String	Access token. Token authentication is used to call KooDrive APIs. A token indicates the permission. When an API is called, the token is added to the request header to obtain the operation permission. For details about how to obtain an access token, see the corresponding developer guide. The format is Bearer +{access_token}.
X-Traceid	No	String	Service trace ID, which contains 58 bits.
X-User-Id	Yes	String	User ID, which is used for app authentication.
X-Date	Yes	String	Date, which is used for app authentication.
Host	Yes	String	Address, which is used for app authentication.

Table 4-470 Request body parameters

Parameter	Mandatory	Type	Description
shareId	Yes	String	Sharing ID.
fileId	Yes	String	File ID.
kdtoken	No	String	Temporary token for sharing.

Response Parameters

Status code: 200

Table 4-471 Response body parameters

Parameter	Type	Description
code	Integer	Response code.
msg	String	Response information.
downloadUrl	String	Download link.

Example Requests

```
POST /koodrive/ose/v1/share/download
{
  "shareId" : "string",
  "fileId" : "string",
  "kdtoken" : "string"
}
```

Example Responses

Status code: 200

OK

```
{
  "code" : "integer",
  "msg" : "string",
  "downloadUrl" : "string"
}
```

Status Codes

Status Code	Description
200	OK

4.19.6 Creating an Asynchronous Sharing Task

Function

Create an asynchronous sharing task.

URI

POST /koodrive/ose/v1/share/tasks

Request Parameters

Table 4-472 Request header parameters

Parameter	Mandatory	Type	Description
Authorization	Yes	String	Access token. Token authentication is used to call KooDrive APIs. A token indicates the permission. When an API is called, the token is added to the request header to obtain the operation permission. For details about how to obtain an access token, see the corresponding developer guide. The format is Bearer+{access_token} .
X-Traceid	No	String	Service trace ID, which contains 58 bits.
X-User-Id	Yes	String	User ID, which is used for app authentication.
X-Date	Yes	String	Date, which is used for app authentication.
Host	Yes	String	Address, which is used for app authentication.

Table 4-473 Request body parameters

Parameter	Mandatory	Type	Description
taskType	Yes	Integer	Batch operation task type. 1 : download; 2 : dump.
containerId	Yes	String	Space where the file is located.

Parameter	Mandatory	Type	Description
fileIds	Yes	Array of strings	File ID list.
targetFileId	No	FileIdInfo object	Destination directory, which should be specified during dumping.
zipName	No	String	Compressed package name, which is the same as that of the package created for download in File Management.
shareId	Yes	String	Sharing ID.
kdtoken	No	String	Temporary token for sharing.

Table 4-474 FileIdInfo

Parameter	Mandatory	Type	Description
fileId	Yes	String	File ID.
containerId	Yes	String	Space ID.

Response Parameters

Status code: 200

Table 4-475 Response body parameters

Parameter	Type	Description
code	Integer	Response code.
msg	String	Response information.
taskId	String	Task ID.

Example Requests

```
POST /koodrive/ose/v1/share/tasks
```

```
{
  "taskType" : 0,
  "containerId" : "string",
  "fileIds" : [ "string" ],
  "targetFileId" : {
    "fileId" : "string",
    "containerId" : "string"
  },
}
```

```
"zipName" : "string",  
"shareId" : "string",  
"kdtoken" : "string"  
}
```

Example Responses

Status code: 200

OK

```
{  
  "code" : "integer",  
  "msg" : "string",  
  "taskId" : "string"  
}
```

Status Codes

Status Code	Description
200	OK

4.19.7 Querying an Asynchronous Task

Function

Query details about an asynchronous task.

URI

POST /koodrive/ose/v1/share/taskDetail

Request Parameters

Table 4-476 Request header parameters

Parameter	Mandatory	Type	Description
Authorization	Yes	String	Access token. Token authentication is used to call KooDrive APIs. A token indicates the permission. When an API is called, the token is added to the request header to obtain the operation permission. For details about how to obtain an access token, see the corresponding developer guide. The format is Bearer+{access_token} .

Parameter	Mandatory	Type	Description
X-Traceid	No	String	Service trace ID, which contains 58 bits.
X-User-Id	Yes	String	User ID, which is used for app authentication.
X-Date	Yes	String	Date, which is used for app authentication.
Host	Yes	String	Address, which is used for app authentication.

Table 4-477 Request body parameters

Parameter	Mandatory	Type	Description
taskId	Yes	String	Task ID.
shareId	Yes	String	Sharing ID.
kdtoken	No	String	token

Response Parameters

Status code: 200

Table 4-478 Response body parameters

Parameter	Type	Description
code	Integer	Response code.
msg	String	Response information.
jobInfo	JobInfo object	Work information.
taskInfos	TaskInfo object	Task information.

Table 4-479 JobInfo

Parameter	Type	Description
userId	String	User ID.
taskId	String	Task ID.
taskType	Integer	Task type.

Parameter	Type	Description
taskStatus	Integer	Task status. 0 : to be processed; 1 : being processed; 2 : completed; 3 : canceled.
taskResultCode	Integer	Task result. 1 : all succeeded; 2 : partially failed; 3 : all failed.
createTime	String	Task creation time. The value is a 14-digit timestamp in yyyyMMddHHmmss format.
startTime	String	Task start time. The value is a 14-digit timestamp in yyyyMMddHHmmss format.
endTime	String	Task end time. The value is a 14-digit timestamp in yyyyMMddHHmmss format.
progress	Integer	Task progress, in percentage. For example, if the progress is 70%, the returned value is 70 .
downloadUrl	String	Download link of the compressed package.

Table 4-480 TaskInfo

Parameter	Type	Description
fileId	String	Old file ID.
status	String	Status.
newFileId	String	New file ID.
srcContainerId	String	Source space ID.

Example Requests

```
POST /koodrive/ose/v1/share/taskDetail
```

```
{
  "taskId" : "string",
  "shareId" : "string",
  "kdtoken" : "string"
}
```

Example Responses

Status code: 200

OK

```
{
  "jobInfo" : {
    "userId" : "0929b397a3424384b32cf8f96d9f35e4|1465814559892958208",
    "taskId" : "1521827471237047552",
    "taskType" : 1,
    "taskStatus" : 2,
    "taskResultCode" : 1,
    "createTime" : "20240930091932",
    "startTime" : "20240930091932",
    "endTime" : "20240930091933",
    "progress" : 100
  },
  "taskInfos" : [ {
    "fileId" : "FmvP8my7yGTvCmKhweL1BoY6kWjRt83A7",
    "status" : "1",
    "newFileId" : "FmylhS-VxkVrHr0vRwydKgo9-x-SmcPha",
    "srcContainerId" : "IAACk0hRXpq9DAWkA1465823622533999616"
  }, {
    "fileId" : "FulYbSXt1ovCywA4qda1Fe64BveY4dMvw",
    "status" : "1",
    "newFileId" : "FjRrf91UdJQnffuMcw-xlJlNeVgWHEwJ",
    "srcContainerId" : "IAACk0hRXpq9DAWkA1465823622533999616"
  } ],
  "code" : 0,
  "msg" : "Success."
}
```

Status Codes

Status Code	Description
200	OK

4.20 Collaboration Portal

4.20.1 Listing Related Files

Function

List files related to you.

URI

GET /koodrive/ose/v1/related

Table 4-481 Query Parameters

Parameter	Mandatory	Type	Description
pageSize	No	Integer	Number of records to be returned on each page. Default and maximum value: 100. It is possible that partial or empty result pages are returned before the end of the result list has been reached.
pageCursor	No	String	Current page cursor, which is obtained from nextCursor of the previous response. Default value: 0 .
sortType	No	Integer	Sorting type. 1 : by operation time (default).
sortDirection	No	Integer	Sorting order. 1 : ascending; 2 : descending (default).
displayName	No	String	Fuzzy match by display name is supported.
relatedType	No	String	Related file type. 0 : all; 1 : shared with you. If this parameter is null or set to 0 , all types are queried.
imageProcess	No	String	Image operation, which can be used to specify the thumbnail size.

Request Parameters

Table 4-482 Request header parameters

Parameter	Mandatory	Type	Description
X-Traceid	No	String	Service trace ID, which contains 58 bits.

Parameter	Mandatory	Type	Description
Authorization	Yes	String	Access token. Token authentication is used to call KooDrive APIs. A token indicates the permission. When an API is called, the token is added to the request header to obtain the operation permission. For details about how to obtain an access token, see the corresponding developer guide. The format is Bearer +{ <i>access_token</i> }.
language	No	String	Language code, which complies with the internationalization specifications. For example, en-US indicates English (United States). English (United States) is used by default.
X-User-Id	Yes	String	User ID, which is used for app authentication.
X-Date	Yes	String	Date, which is used for app authentication.
Host	Yes	String	Address, which is used for app authentication.

Response Parameters

Status code: 200

Table 4-483 Response body parameters

Parameter	Type	Description
code	String	Response code.
msg	String	Response information.
nextCursor	String	Pagination cursor. If the cursor does not exist, the last record has been returned.
relatedToMeInfos	Array of RelatedToMeRecord objects	Sharing link list.

Parameter	Type	Description
total	Long	Total number of records.

Table 4-484 RelatedToMeRecord

Parameter	Type	Description
operator	String	Operator name.
operateType	Integer	Operation type. 1 : sharing.
operateTime	String	Operation time.
id	String	Record ID. If the operation type is sharing, the value is the sharing ID.
displayName	String	Display name.
files	Array of FileInfo objects	File list.
expireTime	String	Expiration time.
status	Integer	0 : determined based on the expiration time. 1 : The file has been deleted. 2 : The space has expired (the space has been disabled or deleted or you do not have the space permission).
operatorId	String	Operator ID.
containerId	String	Space ID.
tenantId	String	Tenant ID.

Table 4-485 FileInfo

Parameter	Type	Description
id	String	File ID.
size	String	File size.
fileType	String	File type.
downloadLinks	Array of DownloadLink objects	Required by the image type (when fileType is set to 15).
recycled	Boolean	Whether the file is in the recycle bin.

Table 4-486 DownloadLink

Parameter	Type	Description
usage	String	Default usage: content or thumbnail . This parameter is customizable.
downloadLink	String	Attachment download link.

Example Requests

Lists files related to you.

```
GET /koodrive/ose/v1/related?
sortType=1&sortDirection=2&pageSize=2&pageCursor=&displayName=&relatedType=1

{
  "total" : 1,
  "relatedToMeInfos" : [ {
    "id" : "1427677119873431808",
    "operator" : "zujian1",
    "operatorId" : "1395664261493231745",
    "operateType" : 1,
    "operateTime" : "2024-05-23T11:39:35.000Z",
    "displayName" : "Content Not Reviewed.docx",
    "files" : [ {
      "id" : "Fv54zG8ha44HX2XRlrQIM76zD4KAN2uOB",
      "size" : 50383,
      "fileType" : "26",
      "recycled" : false,
      "downloadLinks" : [ {
        "usage" : "content",
        "downloadLink" : "https://b10-obs-ykj-uat-01.obs.cidc-rp-2006.joint.cmecloud.cn/
6957916206ce4407ac9436567b14d719086?response-content-disposition=attachment%3B%20filename%2A
%3DUTF-8%27%27%25E5%2586%2585%25E5%25AE%25B9%25E6%259C%25AA%25E5%25AE
%25A1%25E6%25A0%25B8.docx&X-Amz-Algorithm=AWS4-HMAC-SHA256&X-Amz-
Date=20240523T113937Z&X-Amz-SignedHeaders=host&X-Amz-Expires=3600&X-Amz-
Credential=MKRISPBJAJWFHNB5WLB%2F20240523%2Fcide-rp-2006%2Fs3%2Faws4_request&X-Amz-
Signature=e130a202a80157e63583bd7597452eb1d30a70c610db86be68717541114e2bd0"
      }, {
        "usage" : "thumbnail",
        "downloadLink" : "https://b10-obs-ykj-uat-01.obs.cidc-rp-2006.joint.cmecloud.cn/
6957916206ce4407ac9436567b14d719086?x-image-process=image%2Fresize%2Cm_lfit
%2Ch_128%2Cw_128&response-content-disposition=attachment%3B%20filename%2A
%3DUTF-8%27%27%25E5%2586%2585%25E5%25AE%25B9%25E6%259C%25AA%25E5%25AE
%25A1%25E6%25A0%25B8.docx&X-Amz-Algorithm=AWS4-HMAC-SHA256&X-Amz-
Date=20240523T113937Z&X-Amz-SignedHeaders=host&X-Amz-Expires=3600&X-Amz-
Credential=MKRISPBJAJWFHNB5WLB%2F20240523%2Fcide-rp-2006%2Fs3%2Faws4_request&X-Amz-
Signature=e78515818612dbb024bf14300bd63bbb340e7f7476b988143089ce6d92d6d9f9"
      } ]
    } ]
  },
  "expireTime" : "2024-05-30T11:39:35.000Z",
  "status" : 0,
  "containerId" : "IAAFyRNd07vFgAAA1395504262720721025",
  "tenantId" : "d5ac574bd2934a69baa4f23c55daa8d4"
},
"code" : 0,
"msg" : "OK"
}
```

Example Responses

Status code: 200

OK

```
{
  "code" : "string",
  "msg" : "string",
  "nextCursor" : "string",
  "relatedToMeInfos" : [ {
    "operator" : "string",
    "operateType" : 0,
    "operateTime" : "2024-06-03T02:25:41.085Z",
    "id" : "string",
    "displayName" : "string",
    "files" : [ {
      "id" : "string",
      "size" : "string",
      "fileType" : "string",
      "downloadLinks" : [ {
        "usage" : "string",
        "downloadLink" : "string"
      } ],
      "recycled" : true
    } ],
    "expireTime" : "2024-06-03T02:25:41.085Z",
    "status" : 0,
    "operatorId" : "string",
    "containerId" : "string",
    "tenantId" : "string"
  } ],
  "total" : 0
}
```

Status Codes

Status Code	Description
200	OK

4.20.2 Listing Recently Visited Files

Function

List files that you recently visited.

URI

GET /koodrive/ose/v1/access

Table 4-487 Query Parameters

Parameter	Mandatory	Type	Description
imageProcess	No	String	Image operation, which can be used to specify the thumbnail size.

Request Parameters

Table 4-488 Request header parameters

Parameter	Mandatory	Type	Description
X-Traceid	No	String	Service trace ID, which contains 58 bits.
Authorization	Yes	String	Access token. Token authentication is used to call KooDrive APIs. A token indicates the permission. When an API is called, the token is added to the request header to obtain the operation permission. For details about how to obtain an access token, see the corresponding developer guide. The format is Bearer+{access_token} .
language	No	String	Language code, which complies with the internationalization specifications. For example, en-US indicates English (United States). English (United States) is used by default.
X-User-Id	Yes	String	User ID, which is used for app authentication.
X-Date	Yes	String	Date, which is used for app authentication.
Host	Yes	String	Address, which is used for app authentication.

Response Parameters

Status code: 200**Table 4-489** Response body parameters

Parameter	Type	Description
code	String	Response code.
msg	String	Response information.

Parameter	Type	Description
list	Array of RecentlyAccess objects	List of recently visited files.

Table 4-490 RecentlyAccess

Parameter	Type	Description
operateTime	String	Operation time.
operateType	Integer	Operation type. 1 : view; 2 : edit; 3 : share; 4 : dump; 5 : upload (only for whitelisted users); 6 : share and dump (only for whitelisted users).
file	AccessiFileInfo object	Basic file information.
status	Integer	Status. 1 : The file has been deleted. 2 : The space has expired (the space has been disabled or deleted or you do not have the space permission).

Table 4-491 AccessiFileInfo

Parameter	Type	Description
id	String	File ID.
containerId	String	Space ID.
name	String	File name.
collaboratorId	String	Co-author ID.
collaborator	String	Co-author name.
collaborateTime	String	Collaboration time.
collaborateType	String	Collaboration type. 2 : editing; 3 : sharing; 4 : saving to the individual space.

Parameter	Type	Description
fileType	String	File type. /** * Folder / FOLDER = "10", /* * Image / PICTURE = "15", /* * Video / VIDEO = "20", /* * Word file / WORD = "26", /* * Excel file / EXCEL = "27", /* * PowerPoint file / PPT = "28", /* * Audio / AUDIO = "30", /* * Compressed file / ARCHIVE = "35", /* * Application / APPLICATION = "40", /* * Other */ OTHER = "45",
owner	String	File owner.
containerName	String	For an individual space, this parameter is null. For a department space, the value is the department name.
containerType	Integer	0 : department space; 1 : individual space; 2 : group space.
favorite	Boolean	true : The file is added to favorites. false : The file is not added to favorites.
teamId	String	For an individual space, this parameter is null. For a department space, the value is the department ID. For a group space, the value is the group ID.

Example Requests

```
GET /koodrive/ose/v1/access
```

Example Responses

Status code: 200

OK

```
{
  "code" : "string",
  "msg" : "string",
  "list" : [ {
    "operateTime" : "2024-06-03T02:26:45.897Z",
    "operType" : 0,
    "file" : {
      "id" : "string",
      "containerId" : "string",
      "name" : "string",
      "collaboratorId" : "string",
      "collaborator" : "string",
      "collaborateTime" : "2024-06-03T02:26:45.897Z",
      "collaborateType" : "string",
      "fileType" : "string",
      "owner" : "string",
      "containerName" : "string",
      "containerType" : 0,
      "favorite" : true,
      "teamId" : "string"
    },
    "status" : 0
  } ]
}
```

Status Codes

Status Code	Description
200	OK

4.21 Message Notifications

4.21.1 Obtaining the Number of Unread Messages

Function

Obtain the number of unread messages.

URI

GET /koodrive/ose/v1/message/unreadCount

Request Parameters

Table 4-492 Request header parameters

Parameter	Mandatory	Type	Description
Authorization	Yes	String	Access token. Token authentication is used to call KooDrive APIs. A token indicates the permission. When an API is called, the token is added to the request header to obtain the operation permission. For details about how to obtain an access token, see the corresponding developer guide. The format is Bearer+{access_token} .
language	No	String	Language code, which complies with the internationalization specifications. For example, en-US indicates English (United States). English (United States) is used by default.
X-User-Id	Yes	String	User ID, which is used for app authentication.
X-Date	Yes	String	Date, which is used for app authentication.
Host	Yes	String	Address, which is used for app authentication.

Response Parameters

Status code: 200

Table 4-493 Response body parameters

Parameter	Type	Description
code	String	Response code.
msg	String	Response information.
count	Integer	Number of unread messages.

Example Requests

None

Example Responses

None

Status Codes

Status Code	Description
200	Response body for obtaining the number of unread messages.

4.21.2 Listing Messages

Function

List messages.

URI

GET /koodrive/ose/v1/message/list

Table 4-494 Query Parameters

Parameter	Mandatory	Type	Description
pageSize	No	Integer	Number of records to be returned on each page. Default and maximum value: 100. It is possible that partial or empty result pages are returned before the end of the result list has been reached.
pageCursor	No	String	Current page cursor, which is obtained from nextCursor of the previous response. Default value: 0 .
filterType	No	String	Filter type. 000 : sharing messages. 001 : team messages. 002 : system messages. 003 : management messages.
state	No	Integer	Message status. 0 : unread; 1 : read.

Request Parameters

Table 4-495 Request header parameters

Parameter	Mandatory	Type	Description
Authorization	Yes	String	Access token. Token authentication is used to call KooDrive APIs. A token indicates the permission. When an API is called, the token is added to the request header to obtain the operation permission. For details about how to obtain an access token, see the corresponding developer guide. The format is Bearer + <i>{access_token}</i> .
language	No	String	Language code, which complies with the internationalization specifications. For example, en-US indicates English (United States). English (United States) is used by default.
X-User-Id	Yes	String	User ID, which is used for app authentication.
X-Date	Yes	String	Date, which is used for app authentication.
Host	Yes	String	Address, which is used for app authentication.

Response Parameters

Status code: 200**Table 4-496** Response body parameters

Parameter	Type	Description
code	String	Response code.
msg	String	Response information.

Parameter	Type	Description
nextCursor	String	Pagination cursor. If the cursor does not exist, the last record has been returned.
messages	MessageInfo object	Message object.

Table 4-497 MessageInfo

Parameter	Type	Description
id	String	Message ID.
sender	String	Message sender.
type	String	Message type.
context	String	Message body.
state	Integer	Message status.
createTime	String	Message receiving time.

Example Requests

None

Example Responses

None

Status Codes

Status Code	Description
200	Response body for obtaining the message list.

4.21.3 Marking Messages as Read in Batches

Function

Mark messages as read in batches.

URI

POST /koodrive/ose/v1/message/batchRead

Request Parameters

Table 4-498 Request header parameters

Parameter	Mandatory	Type	Description
Authorization	Yes	String	Access token. Token authentication is used to call KooDrive APIs. A token indicates the permission. When an API is called, the token is added to the request header to obtain the operation permission. For details about how to obtain an access token, see the corresponding developer guide. The format is Bearer +{ <i>access_token</i> }.
language	No	String	Language code, which complies with the internationalization specifications. For example, en-US indicates English (United States). English (United States) is used by default.
X-User-Id	Yes	String	User ID, which is used for app authentication.
X-Date	Yes	String	Date, which is used for app authentication.
Host	Yes	String	Address, which is used for app authentication.

Table 4-499 Request body parameters

Parameter	Mandatory	Type	Description
ids	Yes	Array of strings	Message ID.

Response Parameters

Status code: 200

Table 4-500 Response body parameters

Parameter	Type	Description
messages	Array of UpdateMessageStateResponse objects	Response for modifying message status.

Table 4-501 UpdateMessageStateResponse

Parameter	Type	Description
id	String	Message ID.
changed	Boolean	Modification result.

Example Requests

None

Example Responses

None

Status Codes

Status Code	Description
200	Response body for marking messages as read in batches.

4.21.4 Batch Message Deletion

Function

Delete selected messages in batches.

URI

DELETE /koodrive/ose/v1/message/batchDelete

Request Parameters

Table 4-502 Request header parameters

Parameter	Mandatory	Type	Description
Authorization	Yes	String	Access token. Token authentication is used to call KooDrive APIs. A token indicates the permission. When an API is called, the token is added to the request header to obtain the operation permission. For details about how to obtain an access token, see the corresponding developer guide. The format is Bearer +{ <i>access_token</i> }.
language	No	String	Language code, which complies with the internationalization specifications. For example, en-US indicates English (United States). English (United States) is used by default.
X-User-Id	Yes	String	User ID, which is used for app authentication.
X-Date	Yes	String	Date, which is used for app authentication.
Host	Yes	String	Address, which is used for app authentication.

Table 4-503 Request body parameters

Parameter	Mandatory	Type	Description
ids	Yes	Array of strings	Message ID.

Response Parameters

Status code: 200

Table 4-504 Response body parameters

Parameter	Type	Description
messages	Array of UpdateMessageStateResponse objects	Response for modifying message status.

Table 4-505 UpdateMessageStateResponse

Parameter	Type	Description
id	String	Message ID.
changed	Boolean	Modification result.

Example Requests

None

Example Responses

None

Status Codes

Status Code	Description
200	Response body for deleting messages in batches

4.21.5 Modify message status (marks all unread messages as read or deletes all messages).

Function

Modify message status (marks all unread messages as read or deletes all messages).

URI

POST /koodrive/ose/v1/message/specific

Table 4-506 Query Parameters

Parameter	Mandatory	Type	Description
operate	Yes	Integer	Operation of modifying message status. 0 : marks unread messages as read. 1 : deletes all messages.

Request Parameters

Table 4-507 Request header parameters

Parameter	Mandatory	Type	Description
Authorization	Yes	String	Access token. Token authentication is used to call KooDrive APIs. A token indicates the permission. When an API is called, the token is added to the request header to obtain the operation permission. For details about how to obtain an access token, see the corresponding developer guide. The format is Bearer +{access_token}.
language	No	String	Language code, which complies with the internationalization specifications. For example, en-US indicates English (United States). English (United States) is used by default.
X-User-Id	Yes	String	User ID, which is used for app authentication.
X-Date	Yes	String	Date, which is used for app authentication.
Host	Yes	String	Address, which is used for app authentication.

Response Parameters

Status code: 200

Table 4-508 Response body parameters

Parameter	Type	Description
code	String	Response code.
msg	String	Response information.

Example Requests

None

Example Responses

None

Status Codes

Status Code	Description
200	Response body for modifying the message status of a user.

4.22 Refined Authorization

4.22.1 Obtaining the User Permissions List

Function

Obtain the user permissions list.

URI

GET /koodrive/ose/v1/permission/userList

Table 4-509 Query Parameters

Parameter	Mandatory	Type	Description
templateId	No	String	Permissions template ID. • -1: anonymous template. • Other values: ID of a named template.
spaceType	Yes	Integer	Space type. • 0: department. • 1: group.

Parameter	Mandatory	Type	Description
groupId	No	String	Group ID (mandatory when the space type is set to 1).
deptId	No	String	Department ID (mandatory when the space type is set to 0).
count	No	Integer	Number of records to be returned. Maximum value: 100.
cursor	No	String	Cursor, which is not transferred for the first call. (For subsequent calls, obtain the cursor from the previous response body to return results starting from the user next to the last user in the previous response.)
containerId	Yes	String	Space ID.
userName	No	String	Username.
fileId	No	String	File ID.

Request Parameters

Table 4-510 Request header parameters

Parameter	Mandatory	Type	Description
Authorization	Yes	String	1. The format is Bearer <i>{app_access_token}</i>. The application-level token needs to be passed for calling by an application server. The token is obtained by calling an API using clientId and clientSecret obtained during application creation. 2. The application is the KooDrive server.
X-Traceid	No	String	Message log trace ID. The value contains 58 bits.

Parameter	Mandatory	Type	Description
language	No	String	Language code, which complies with the internationalization specifications. For example, en_us indicates English (United States).
X-User-Id	Yes	String	User ID, which is used for app authentication.
X-Date	Yes	String	Date, which is used for app authentication.
Host	No	String	Address, which is used for app authentication.

Response Parameters

Status code: 200

Table 4-511 Response body parameters

Parameter	Type	Description
userPermissionList	Array of userPermission objects	User permissions list.
code	String	Response code.
msg	String	Response message.
nextCursor	String	Cursor.

Table 4-512 userPermission

Parameter	Type	Description
userName	String	Username.
mobile	String	Mobile number.
deptName	String	Department name.
deptId	String	Department ID.
templateId	String	Template ID.
groupName	String	Group name.

Parameter	Type	Description
description	String	Permissions description returned when an anonymous template is used.
userId	String	User ID.
templateName	String	Template name.
deptRole	Integer	Role in the department (under the transferred deptId).
groupRole	Integer	Role in the group (under the transferred group).
capabilities	Array of Capabilities objects	Permissions value.

Table 4-513 Capabilities

Parameter	Type	Description
addChildNodePermission	Boolean	Permission to create a file or folder. The value true indicates that the permission is granted, and the value false indicates that the permission is not granted.
copyPermission	Boolean	Copy permission. The value true indicates that the permission is granted, and the value false indicates that the permission is not granted.
deletePermission	Boolean	Delete permission. The value true indicates that the permission is granted, and the value false indicates that the permission is not granted.
downloadPermission	Boolean	Download permission. The value true indicates that the permission is granted, and the value false indicates that the permission is not granted.
editPermission	Boolean	Edit permissions. true : granted; false : not granted (editing is not supported.)
listChildNodePermission	Boolean	Permission to view the list. The value true indicates that the permission is granted, and the value false indicates that the permission is not granted.

Parameter	Type	Description
removeChildNode Permission	Boolean	Move permission. The value true indicates that the permission is granted, and the value false indicates that the permission is not granted.
renameFilePermis sion	Boolean	Rename permission. The value true indicates that the permission is granted, and the value false indicates that the permission is not granted.
shareFilePermis- sion	Boolean	Share permission. The value true indicates that the permission is granted, and the value false indicates that the permission is not granted.
uploadPermission	Boolean	Upload permission. The value true indicates that the permission is granted, and the value false indicates that the permission is not granted.
viewPermission	Boolean	Preview permission. The value true indicates that the permission is granted, and the value false indicates that the permission is not granted.

Example Requests

Example request for obtaining the user permissions list.

```
/koodrive/ose/v1/permission/userList?  
spaceType=0&deptId=1570902*****4673&count=100&containerId=IAAFW*****054209  
  
Authorization:Bearer+7b8d5d009443187d149432249b2482fbc87d1be0c1dd3f6f
```

Example Responses

Status code: 200

Response to the request for obtaining the user permissions list.

```
{  
  "userPermissionList" : [ {  
    "userName" : "111",  
    "userId" : "15842*****45888",  
    "mobile" : "0086137****6060",  
    "deptName" : "ce**i-1",  
    "templateId" : "1568195451952301579",  
    "capabilities" : {  
      "addChildNodePermission" : true,  
      "copyPermission" : true,  
      "deletePermission" : false,  
      "downloadPermission" : true,  
      "editPermission" : true,  
      "listChildNodePermission" : true,  
      "removeChildNodePermission" : true,  
      "renameFilePermission" : true,  
    }  
  }  
]
```

```
{
  "shareFilePermission" : true,
  "uploadPermission" : true,
  "viewPermission" : true
},
"templateName" : "Unable to Delete",
"deptRole" : 1
}],
"code" : 0,
"msg" : "Successful."
}
```

Status Codes

Status Code	Description
200	Response to the request for obtaining the user permissions list.

4.22.2 Updating Permissions in Batches

Function

Update permissions in batches.

URI

PUT /koodrive/ose/v1/permission/batchupdate

Request Parameters

Table 4-514 Request header parameters

Parameter	Mandatory	Type	Description
Authorization	Yes	String	The format is Bearer <i>{app_access_token}</i> . The application-level token needs to be passed for calling by an application server. The token is obtained by calling an API using clientid and clientSecret obtained during application creation.
X-Traceid	No	String	Message log trace ID. The value contains 58 bits.
language	No	String	Language code, which complies with the internationalization specifications. For example, en_us indicates English (United States).

Parameter	Mandatory	Type	Description
X-User-Id	Yes	String	User ID, which is used for app authentication.
X-Date	Yes	String	Date, which is used for app authentication.
Host	No	String	Address, which is used for app authentication.

Table 4-515 Request body parameters

Parameter	Mandatory	Type	Description
amendModRoles	Yes	Array of AmendModRole objects	Roles to be modified.
type	Yes	Integer	Type. 0 : team space; 1 : group space.
container	Yes	String	Space ID.
fileId	No	String	File ID (If a file ID is specified, the permissions for the resource are granted.)

Table 4-516 AmendModRole

Parameter	Mandatory	Type	Description
userId	Yes	Long	User ID.
template	Yes	Long	Permission template ID. For an anonymous template, set this parameter to -1 . (This parameter is optional when members are added to or deleted from a user group in batches.)
capabilities	No	Capabilities object	Permission value (transferred when a template is customized).

Table 4-517 Capabilities

Parameter	Mandatory	Type	Description
addChildNodePermission	Yes	Boolean	Permission to create a file or folder. The value true indicates that the permission is granted, and the value false indicates that the permission is not granted.
copyPermission	Yes	Boolean	Copy permission. The value true indicates that the permission is granted, and the value false indicates that the permission is not granted.
deletePermission	Yes	Boolean	Delete permission. The value true indicates that the permission is granted, and the value false indicates that the permission is not granted.
downloadPermission	Yes	Boolean	Download permission. The value true indicates that the permission is granted, and the value false indicates that the permission is not granted.
editPermission	Yes	Boolean	Edit permissions. true : granted; false : not granted (editing is not supported.)
listChildNodePermission	Yes	Boolean	Permission to view the list. The value true indicates that the permission is granted, and the value false indicates that the permission is not granted.
removeChildNodePermission	Yes	Boolean	Move permission. The value true indicates that the permission is granted, and the value false indicates that the permission is not granted.
renameFilePermission	Yes	Boolean	Rename permission. The value true indicates that the permission is granted, and the value false indicates that the permission is not granted.
shareFilePermission	Yes	Boolean	Share permission. The value true indicates that the permission is granted, and the value false indicates that the permission is not granted.

Parameter	Mandatory	Type	Description
uploadPermission	Yes	Boolean	Upload permission. The value true indicates that the permission is granted, and the value false indicates that the permission is not granted.
viewPermission	Yes	Boolean	Preview permission. The value true indicates that the permission is granted, and the value false indicates that the permission is not granted.

Response Parameters

Status code: 200

Table 4-518 Response body parameters

Parameter	Type	Description
code	Integer	Error code.
msg	String	Error message.

Example Requests

```
/koodrive/ose/v1/permission/batchupdate
```

```
{
  "amendModRoles" : [ {
    "userId" : "*****",
    "template" : "*****",
    "capabilities" : {
      "addChildNodePermission" : true,
      "copyPermission" : false,
      "deletePermission" : false,
      "downloadPermission" : true,
      "editPermission" : false,
      "listChildNodePermission" : true,
      "removeChildNodePermission" : false,
      "renameFilePermission" : false,
      "shareFilePermission" : false,
      "uploadPermission" : true,
      "viewPermission" : true
    }
  } ],
  "type" : 0,
  "container" : "*****",
  "fileId" : "*****"
}
```

Example Responses

Status code: 200

Response for updating permissions in batches.

```
{
  "code" : 0,
  "msg" : "success"
}
```

Status Codes

Status Code	Description
200	Response for updating permissions in batches.

4.22.3 Querying Initial Permissions of a Member

Function

Query initial permissions of a member.

URI

GET /koodrive/ose/v1/permission/member/initial/{spaceId}

Table 4-519 Path Parameters

Parameter	Mandatory	Type	Description
spaceId	Yes	Long	Group/Department ID.

Request Parameters

Table 4-520 Request header parameters

Parameter	Mandatory	Type	Description
Authorization	Yes	String	The format is Bearer <i>{app_access_token}</i> . The application-level token needs to be passed for calling by an application server. The token is obtained by calling an API using clientId and clientSecret obtained during application creation.
X-Traceid	No	String	Message log trace ID. The value contains 58 bits.

Parameter	Mandatory	Type	Description
language	No	String	Language code, which complies with the internationalization specifications. For example, en_us indicates English (United States).
X-User-Id	Yes	String	User ID, which is used for app authentication.
X-Date	Yes	String	Date, which is used for app authentication.
Host	No	String	Address, which is used for app authentication.

Response Parameters

Status code: 200

Table 4-521 Response body parameters

Parameter	Type	Description
code	Integer	Response code.
msg	String	Response information.
data	MemberInitialPermission object	Initial member permissions.

Table 4-522 MemberInitialPermission

Parameter	Type	Description
userId	Long	User ID.
spaceId	Long	Group/Department ID.
containerId	String	Space ID.
spaceType	Integer	Space type.
templateId	String	Template ID.
templateName	String	Template name.
capabilities	Capabilities object	User permissions.

Table 4-523 Capabilities

Parameter	Type	Description
addChildNodePermission	Boolean	Permission to create a file or folder. The value true indicates that the permission is granted, and the value false indicates that the permission is not granted.
copyPermission	Boolean	Copy permission. The value true indicates that the permission is granted, and the value false indicates that the permission is not granted.
deletePermission	Boolean	Delete permission. The value true indicates that the permission is granted, and the value false indicates that the permission is not granted.
downloadPermission	Boolean	Download permission. The value true indicates that the permission is granted, and the value false indicates that the permission is not granted.
editPermission	Boolean	Edit permissions. true : granted; false : not granted (editing is not supported.)
listChildNodePermission	Boolean	Permission to view the list. The value true indicates that the permission is granted, and the value false indicates that the permission is not granted.
removeChildNodePermission	Boolean	Move permission. The value true indicates that the permission is granted, and the value false indicates that the permission is not granted.
renameFilePermission	Boolean	Rename permission. The value true indicates that the permission is granted, and the value false indicates that the permission is not granted.
shareFilePermission	Boolean	Share permission. The value true indicates that the permission is granted, and the value false indicates that the permission is not granted.
uploadPermission	Boolean	Upload permission. The value true indicates that the permission is granted, and the value false indicates that the permission is not granted.

Parameter	Type	Description
viewPermission	Boolean	Preview permission. The value true indicates that the permission is granted, and the value false indicates that the permission is not granted.

Example Requests

```
/koodrive/ose/v1/permission/member/initial/15*****01
```

```
Authorization:Bearer+7b8d5d009443187d149432249b2482fbc87d1be0c1dd3f6f
```

Example Responses

Status code: 200

Response body for querying initial administrator permissions.

```
{
  "data": {
    "userId": "****",
    "spaceId": "****",
    "containerId": "*****",
    "spaceType": 0,
    "templateId": "*****",
    "templateName": "Upload",
    "capabilities": {
      "addChildNodePermission": true,
      "copyPermission": false,
      "deletePermission": false,
      "downloadPermission": true,
      "editPermission": false,
      "listChildNodePermission": true,
      "removeChildNodePermission": false,
      "renameFilePermission": false,
      "shareFilePermission": false,
      "uploadPermission": true,
      "viewPermission": true
    }
  },
  "code": 0,
  "msg": "success"
}
```

Status Codes

Status Code	Description
200	Response body for querying initial administrator permissions.

5 Appendixes

5.1 Status Codes

[Table 5-1](#) describes common status codes.

Table 5-1 Status codes

Status Code	Message	Description
200	OK	The request has succeeded.
400	Bad Request	Authentication failed.
401	Unauthorized	Unauthorized.
500	Internal Server Error	The server encountered an unexpected condition that prevented it from fulfilling the request.

5.2 Error Codes

If an error code starting with APIGW is returned after you call an API, rectify the fault by referring to the instructions provided in [API Gateway Error Codes](#).

Status Code	Error Codes	Error Message	Description	Solution
400	13000102	Verify parameters failed.	Verify parameters failed.	Check parameters.
400	13000301	Space not found.	Space not found.	Check space status.

Status Code	Error Codes	Error Message	Description	Solution
400	13000302	File is not in the specified space.	File is not in the specified space.	Check the space where the file is located.
400	13000303	This operation cannot be performed because the file is not in the recycle bin.	This operation cannot be performed because the file is not in the recycle bin.	Move the file to the recycle bin.
400	13000304	Target directory is abnormal.	Target directory is abnormal.	Try again later. If the fault persists, contact technical support.
400	13000305	Target directory is in the recycle bin.	Target directory is in the recycle bin.	Remove the directory from the recycle bin.
400	13000306	File is in the recycle bin.	File is in the recycle bin.	Restore the file from the recycle bin.
400	13000307	Nested directories.	Nested directories.	Try again later. If the fault persists, contact technical support.
400	13000308	File metadata error.	File metadata error.	Try again later. If the fault persists, contact technical support.
400	13000309	Resource not found.	Resource not found.	Try again later. If the fault persists, contact technical support.
400	13000310	Max. levels exceeded.	Max. levels exceeded.	Delete a level.
400	13000311	Insufficient space.	Insufficient space.	Contact the administrator to expand capacity.
400	13000312	File already in the target folder.	File already in the target folder.	No operation required.

Status Code	Error Codes	Error Message	Description	Solution
400	13000401	Upload task not found.	Upload task not found.	Try again later. If the fault persists, contact technical support.
400	13000402	File upload incomplete.	File upload incomplete.	Try again later. If the fault persists, contact technical support.
400	13000403	Change file status failed.	Change file status failed.	Try again later. If the fault persists, contact technical support.
400	13000404	Parent directory is in the recycle bin.	Parent directory is in the recycle bin.	Remove the directory from the recycle bin.
400	13000405	Duplicate file name.	Duplicate file name.	Enter a unique file name.
400	13000406	This operation cannot be performed on the folder.	This operation cannot be performed on the folder.	Check the folder.
400	13000407	File download address not found.	File download address not found.	Try again later. If the fault persists, contact technical support.
400	13000408	Download file failed.	Download file failed.	Try again later. If the fault persists, contact technical support.
400	13000409	Upload file failed.	Upload file failed.	Try again later. If the fault persists, contact technical support.
400	13000410	No permission to perform operations on space {0}.	No permission to perform operations on space {0}.	Check permissions.
400	13000411	File {0} is not in space {1}	File {0} is not in space {1}	Check the space where the file is located.

Status Code	Error Codes	Error Message	Description	Solution
400	13000412	Space {0} is not activated.	Space {0} is not activated.	Activate the space.
400	13000413	Unsupported operation type: {0}	Unsupported operation type: {0}	Enter a correct search type.
400	13000414	Search type cannot be blank.	Search type cannot be blank.	Enter a search type.
400	13000415	Space does not match the team.	Space does not match the team.	Check the space and team.
400	13000417	File name: Max. 250 characters.	File name: Max. 250 characters.	Shorten the file name to max. 250 characters.
400	13000419	The fileName can not contain '<> : \ " * ? / \\'', cannot equal .. or .	The fileName can not contain '<> : \ " * ? / \\'', cannot equal .. or .	Enter a correct file name.
401	13000202	Invalid sign-in information.	Invalid sign-in information.	Check authentication.
500	13000201	Call internal server failed. Please try again later.	Call internal server failed. Please try again later.	Try again later. If the fault persists, contact technical support.