

Alibaba Cloud

Data Online Migration
Parameter description

Document Version: 20201111

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Document conventions









Style	Description	Example
 Danger	A danger notice indicates a situation that will cause major system changes, faults, physical injuries, and other adverse results.	 Danger: Resetting will result in the loss of user configuration data.
 Warning	A warning notice indicates a situation that may cause major system changes, faults, physical injuries, and other adverse results.	 Warning: Restarting will cause business interruption. About 10 minutes are required to restart an instance.
 Notice	A caution notice indicates warning information, supplementary instructions, and other content that the user must understand.	 Notice: If the weight is set to 0, the server no longer receives new requests.
 Note	A note indicates supplemental instructions, best practices, tips, and other content.	 Note: You can use Ctrl + A to select all files.
>	Closing angle brackets are used to indicate a multi-level menu cascade.	Click Settings > Network > Set network type .
Bold	Bold formatting is used for buttons, menus, page names, and other UI elements.	Click OK .
Courier font	Courier font is used for commands	Run the <code>cd /d C:/window</code> command to enter the Windows system folder.
<i>Italic</i>	Italic formatting is used for parameters and variables.	<code>bae log list --instanceid</code> <i>Instance_ID</i>
[] or [a b]	This format is used for an optional value, where only one item can be selected.	<code>ipconfig [-all -t]</code>
{ } or {a b}	This format is used for a required value, where only one item can be selected.	<code>switch {active stand}</code>

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1.Parameter description for data migration jobs

This topic describes the parameters that are used when you use Data Transport to migrate data.

Alibaba Cloud Object Storage Service

This section describes the parameters for Alibaba Cloud Object Storage Service (OSS). You may need to specify these parameters when you use the Data Transport console to create data migration jobs.

- **OSS Endpoint**

The OSS endpoint. The following table lists the valid formats of the OSS endpoints.

No.	Format	Description
1	http://oss-cn-hangzhou.aliyuncs.com	Upload or download data by using HTTP over the Internet.
2	http://oss-cn-hangzhou-internal.aliyuncs.com	Upload or download data by using HTTP over the internal network.
3	https://oss-cn-hangzhou.aliyuncs.com	Upload or download data by using HTTP over the Internet.
4	https://oss-cn-hangzhou-internal.aliyuncs.com	Upload or download data by using HTTP over the internal network.

If you migrate data from OSS, Data Transport automatically downloads data over the internal network. If you migrate data to OSS, OSS uploads data over the internal network. The following formats are invalid.

For more information about OSS endpoints, see [Regions and endpoints](#).

- **OSS Bucket**

The name of the bucket. The prefix or the suffix of the bucket name cannot contain invalid characters such as spaces, line feeds, and tab keys.

- **OSS Prefix**

The OSS prefix. The files in the directory that has the specified prefix are to be migrated. If the name of a file is the same as the specified prefix, the file is not to be migrated. The prefix cannot start with a forward slash (/) and must end with a forward slash (/). For example, you can specify the prefix as docs/ .

- **AccessKey Id and AccessKey Secret**

The AccessKey pair that is used to migrate data. An AccessKey pair in Alibaba Cloud Resource Management Access (RAM) consists of an AccessKey ID and an AccessKey secret. You can use the AccessKey pair of an Alibaba Cloud account or a RAM user. You cannot use the AccessKey pair of a temporary user. For more information, see [Access control](#).

If you migrate data from OSS, you can attach the following policy to a RAM user to grant the RAM user the required permissions.

Permission policy (OSS as the source)

If you migrate data to OSS, you can attach the following policy to a RAM user to grant the RAM user the required permissions.

Permission policy (OSS as the destination)


You can create a RAM user for a data migration job, and use the AccessKey pair that is generated for the RAM user. After the data migration is complete, you can delete the AccessKey pair.

- **Data Size and File Count**

Specify the amount of data and the number of files to be migrated in the OSS bucket. You can view the storage usage and the number of the files for the target OSS bucket in the [OSS console](#).

AWS S3

This section describes the parameters for AWS Simple Storage Service (AWS S3). You may need to specify these parameters when you use the Data Transport console to create data migration jobs.

 **Note** Currently, AWS S3 whitelists are not supported by Data Transport. If whitelists are configured in AWS S3, delete the whitelists or [submit a ticket](#) before data migration.

- **Endpoint**

Data Transport supports only the following AWS S3 regions and endpoints. These endpoints use HTTPS and HTTP protocols.

Region name	Region	Endpoint
US East (Ohio)	us-east-2	http://s3.us-east-2.amazonaws.com http://s3-us-east-2.amazonaws.com
US East (N. Virginia)	us-east-1	http://s3.us-east-1.amazonaws.com http://s3-us-east-1.amazonaws.com
US West (N. California)	us-west-1	http://s3.us-west-1.amazonaws.com http://s3-us-west-1.amazonaws.com
US West (Oregon)	us-west-2	http://s3.us-west-2.amazonaws.com http://s3-us-west-2.amazonaws.com
Canada (Central)	ca-central-1	http://s3.ca-central-1.amazonaws.com http://s3-ca-central-1.amazonaws.com
Asia Pacific (Seoul)	ap-northeast-2	http://s3.ca-central-1.amazonaws.com http://s3-ca-central-1.amazonaws.com

Region name	Region	Endpoint
Asia Pacific (Osaka-Local)	ap-northeast-3	http://s3.ap-northeast-2.amazonaws.com http://s3-ap-northeast-2.amazonaws.com
Asia Pacific (Singapore)	ap-southeast-1	http://s3.ap-southeast-1.amazonaws.com http://s3-ap-southeast-1.amazonaws.com
Asia Pacific (Sydney)	ap-southeast-2	http://s3.ap-southeast-2.amazonaws.com http://s3-ap-southeast-2.amazonaws.com
Asia Pacific (Tokyo)	ap-northeast-1	http://s3.ap-northeast-1.amazonaws.com http://s3-ap-northeast-1.amazonaws.com
China (Beijing)	cn-north-1	http://s3.cn-north-1.amazonaws.com.cn
China (Ningxia)	cn-northwest-1	http://s3.cn-northwest-1.amazonaws.com.cn
Europe (Frankfurt)	eu-central-1	http://s3.eu-central-1.amazonaws.com http://s3-eu-central-1.amazonaws.com
Europe (Ireland)	eu-west-1	http://s3.eu-west-1.amazonaws.com http://s3-eu-west-1.amazonaws.com
Europe (London)	eu-west-2	http://s3.eu-west-2.amazonaws.com http://s3-eu-west-2.amazonaws.com
Europe (Paris)	eu-west-3	http://s3.eu-west-3.amazonaws.com http://s3-eu-west-3.amazonaws.com
South America (São Paulo)	sa-east-1	http://s3.sa-east-1.amazonaws.com http://s3-sa-east-1.amazonaws.com

- **Bucket**

The name of the bucket. The prefix or the suffix of the bucket name cannot contain invalid characters such as spaces, line feeds, and tab keys.

- **OSS Prefix**

The OSS prefix. The files in the directory that has the specified prefix are to be migrated. If the name of a file is the same as the specified prefix, the file is not to be migrated. The prefix cannot start with a forward slash (/) and must end with a forward slash (/). For example, you can specify the prefix as docs/ .

- **AccessKeyId and SecretAccessKey**

The access key that is used to migrate data. The access key in AWS Identity and Access Management (IAM) consists of an access key ID and a secret access key. To obtain an access key, perform the following operations. Log on to the AWS [IAM console](#), create an IAM user, attach the [AmazonS3ReadOnlyAccess](#) permission policy to the IAM user, and then create an access key for the IAM user. After the data migration is complete, you can delete the IAM user.

- **Data Size and File Count**

Specify the amount of data and the number of files to be migrated. To ensure a successful migration, you must specify an appropriate data size and the number of files based on an accurate estimation of the actual data amount.

Azure Blob

This section describes the parameters for Microsoft Azure Blob. You may need to specify these parameters when you use the Data Transport console to create data migration jobs.

- **Storage Account, Secret, and Connection Strings**

To view the details about the storage account, access keys, and connection strings, perform the following operations. Log on to the [Microsoft Azure console](#). In the left-side navigation pane, click **Storage accounts**, and select the target storage account. In the **Settings** section, click **Access keys**. Then, you can view the details about the storage account, access keys, and connection strings.

- **Container**

The name of an Azure container.

- **Prefix**

The prefix. The files in the directory that has the specified prefix are to be migrated. If the name of a file is the same as the specified prefix, the file is not to be migrated. The prefix cannot start with a forward slash (/) and must end with a forward slash (/). For example, you can specify the prefix as `docs/`.

- **Data Size and File Count**

Specify the amount of data and the number of files to be migrated. An example is used to describe how to specify the two parameters. Log on to the [Microsoft Azure console](#). In the left-side navigation pane, choose **testbucket2018 - Blob > container - Property**. On the **container-property** page, click **Calculate Size** to view the container size. Based on the container size, specify the two parameters.

Tencent Cloud Object Storage

Data Transport supports Tencent Cloud Object Storage (COS) [V4](#) and uses the COS [API](#) of version 4 to access the COS service. This section describes the parameters for Tencent COS. You may need to specify these parameters when you use the Data Transport console to create data migration jobs.

- **Region**

The abbreviation of the **region** or the zone where the target bucket is deployed. Tencent COS V4 supports the regions and zones that are listed in the following table. For more information, see [Regions](#).

Region or zone	Abbreviation
Beijing Zone 1	tj

Region or zone	Abbreviation
North China (Beijing)	bj
East China (Shanghai)	sh
South China (Guangzhou)	gz
Southwest China (Chengdu)	cd
Southeast Asia Pacific (Singapore)	sgp
Hong Kong/Macao/Taiwan (Hong Kong, China)	hk
North America (Toronto)	ca
Europe (Frankfurt)	ger

- **Bucket**

The name of the COS bucket. The COS bucket name uses the `user-specified bucket name-APPID` format. APPID is a Tencent Cloud account identifier. An example of the COS bucket name is `tony-1234567890`. Note that the bucket name that you specify in the Data Transport console is `tony`.

- **Prefix**

The prefix. The files in the directory that has the specified prefix are to be migrated. The prefix must start and end with a forward slash (/), for example, `/docs/`.

- **APPID**

The APPID. To view the APPID, log on to the [COS console](#) and navigate to the Account Info page.

- **Secret Id and Secret Key**

The API key that is used to migrate data. An API key in COS consists of a SecretId and a SecretKey. To view or create an API key, log on to the [COS console](#), choose **Cloud Services > Management Tools > API Key Management**. On the **API Key Management** page, you can view or create an API key. We recommend that you create an API key for a data migration job. We recommend that you delete the API key after the data migration is complete.

- **Data Size and File Count**

Specify the amount of data and the number of files to be migrated. Before you specify the two parameters, perform the following operations. Log on to the [COS console](#), and choose **Cloud Services > Storage > Cloud Object Storage**. On the **Object Storage** page, choose **Monitoring Report > Basic Statistics**. On the page that appears, you can view the amount of data and the number of objects to be migrated in the target bucket.

Qiniu Cloud-Object Storage


This section describes the parameters for Qiniu Cloud-Object Storage (KODO). You may need to specify these parameters when you use the Data Transport console to create data migration jobs.

- **Endpoint**

The endpoint. To view the endpoints, log on to the [Qiniu Cloud console](#), navigate to the **Object Storage** page, and then select the target bucket. On the page that appears, you can view the endpoints in the **Converged CDN Test Domain** and the **Converged CDN Accelerated Domain** sections.

The endpoints use the `http://<Domain name>` format, as shown in the following figure.

```
http://oy4jki81y.bkt.clouddn.com
http://78rets.com1.z0.glb.clouddn.com
http://cartoon.u.qiniudn.com
```

 **Note** Only the endpoints of the three types in this figure are valid.

- **Bucket**


The name of the KODO bucket.

- **Prefix**

The prefix. The files in the directory that has the specified prefix are to be migrated. If the name of a file is the same as the specified prefix, the file is not to be migrated. The prefix cannot start with a forward slash (/) and must end with a forward slash (/). For example, you can specify the prefix as `docs/`.

- **Access Key and Secret Key**

The Access Key and the Secret Key that are used to migrate data. To view the Access Key and the Secret Key, log on to the [Qiniu Cloud console](#) and choose **Personal Panel > Key Management**.

 **Note** You must specify an Access Key and a Secret Key that are in use.

- **Data Size and File Count**

Specify the amount of data and the number of files to be migrated. Before you specify the two parameters, perform the following operations. Log on to the [Qiniu Cloud console](#), navigate to the **Object Storage** page, and then select the target bucket. On the page that appears, click the **Content Management** tab. On this tab, you can view the number of files and the amount of data stored in the bucket.

Baidu Object Storage

This section describes the parameters for Baidu Object Storage (BOS). You may need to specify these parameters when you use the Data Transport console to create data migration jobs.

- **Endpoint**

The endpoint. Currently, you can use Data Transport to migrate data from the BOS service that is deployed in the China (Beijing), the China (Guangzhou), or the China (Suzhou) region. The following table lists the BOS endpoints that are supported by Data Transport.

Region	Domain name	Protocol	Endpoint
China (Beijing)	bj.bcebos.com		http://bj.bcebos.com

Region	Domain name	Protocol	Endpoint
China (Guangzhou)	gz.bcebos.com	HTTP/HTTPS	http://gz.bcebos.com
China (Suzhou)	su.bcebos.com		http://su.bcebos.com

To view the region where the bucket is deployed, log on to the [BOS console](#), and choose **Cloud Services > BOS-Bucket Management**.

- **Prefix**

The prefix. The files in the directory that has the specified prefix are to be migrated. If the name of a file is the same as the specified prefix, the file is not to be migrated. The prefix cannot start with a forward slash (/) and must end with a forward slash (/). For example, you can specify the prefix as `docs/`.

- **Access Key ID and Secret Access Key**

The Access Key ID and the Secret Access Key that are used to migrate data. To view the Access Key ID and the Secret Access Key, log on to the [BOS console](#) and choose **Authorization > Access Key**.

- **Data Size and File Count**

Specify the amount of data and the number of files to be migrated. Before you specify the two parameters, perform the following operations. Log on to the [BOS console](#) and choose **Cloud Services > BOS-Bucket Management > Bucket Overview**. On the page that appears, view the storage usage of the target bucket. Based on the storage usage, estimate the number of files to be migrated. To ensure a successful migration, you must specify the number of files based on an accurate estimation.

HTTP and HTTPS

This section describes the parameters for HTTP and HTTPS sources. You may need to specify these parameters when you use the Data Transport console to create data migration jobs.

- **File Path**

The file path. Note that a list file has two columns.

- The first column includes a list of HTTP and HTTPS URLs. You must encode the special characters that are included in the URLs. Data Transport uses the HTTP GET method to download a file and use the HTTP HEAD method to obtain the file metadata from an HTTP or HTTPS URL, respectively.
- The second column includes a list of file names. After a file is migrated, the name of the corresponding object consists of a prefix and the file name. Separate the two columns with a tab key (`\t`).

Each line includes a file name. Separate lines with a line feed (`\n`). The following examples show the valid format.

```
http://127.0.0.1/docs/my.doc docs/my.doc
http://127.0.0.1/pics/my.jpg pics/my.jpg
http://127.0.0.1/exes/my.exe exes/my.exe
```

File path format

After the migration file is generated, upload it to Alibaba Cloud OSS. Data Transport downloads the list file and migrates the files based on the specified URLs. The file path uses the `oss://{Bucket}/{The name of the list file}` format, as shown in the following example.

```
oss://mybucket/http1ist.txt
```

- **List Access Endpoint**

The endpoint. The following table lists the valid formats of the OSS endpoints.

No.	Format	Description
1	<code>http://oss-cn-hangzhou.aliyuncs.com</code>	Upload or download data by using HTTP over the Internet.
2	<code>http://oss-cn-hangzhou-internal.aliyuncs.com</code>	Upload or download data by using HTTP over the internal network.
3	<code>https://oss-cn-hangzhou.aliyuncs.com</code>	Upload or download data by using HTTP over the Internet.
4	<code>https://oss-cn-hangzhou-internal.aliyuncs.com</code>	Upload or download data by using HTTP over the internal network.

For more information about OSS endpoints, see [Regions and endpoints](#).

- **List Access AK and List Access SK**

The credentials that are used to download the list file. You can use the credentials of the primary account or a subuser. If you use the credentials of a subuser, you must grant the subuser the GetObject permissions.

- **Data Size and File Count**

Specify the amount of data and the number of files to be migrated. To ensure a successful migration, you must specify an appropriate data size and the number of files based on an accurate estimation of the actual data amount.

UPYUN Storage Service

This topic describes the parameters for UPYUN Storage Service (USS). You may need to configure these parameters when you use the Data Transport service.

- **Domain Address**

The USS endpoint that is used as an access point for SDKs, or the domain name in a request URL when you call a RESTful API operation. You can use one of the endpoints that are listed in the following table.

 **Note** To view the network type, visit <http://v0.api.upyun.com>.

Network type	Endpoint	Description
Intelligent routing	<code>http://v0.api.upyun.com</code>	Recommended
China Telecom	<code>http://v1.api.upyun.com</code>	N/A

Network type	Endpoint	Description
China Unicom or China Netcom	http://v2.api.upyun.com	N/A
China Mobile or China Mobile Tietong	http://v3.api.upyun.com	N/A

- **Service Name**

The service name. To view the service name, log on to the [UPYUN console](#), and navigate to the UPYUN Storage Service page.

- **Migration Folder**

The folder in which the files are to be migrated. The folder is specified by a prefix. The prefix cannot start with a forward slash (/) and must end with a forward slash (/). For example, you can specify the prefix as *docs/*.

- **Operator Name and Operator Secret**

The name of the operator. To view the operator details or add an operator, log on to the [UPYUN Cloud](#) console, click your account name in the upper-right corner, and select **Account Management** from the drop-down list. On the page that appears, you can view the operator details or add an operator. You can add an operator for a data migration job and specify a corresponding password for the operator. To allow the operator to migrate data, you must grant the operator the **read** permissions.

To grant the operator the required permissions, perform the following operations. On the **UPYUN Storage Service** page, click the name of the bucket to be migrated, navigate through **Configurations > Content Management**, and then click **Authorize**. In the dialog box that appears, select the required operator and click **OK**.

- **Data Size and File Count**

Specify the amount of data and the number of files to be migrated. Before you specify the two parameters, perform the following operations. Log on to the [UPYUN console](#) and navigate through **UPYUN Storage Service > Configurations**. On the page that appears, view the amount of data and the number of files stored in the bucket. Based on the results, estimate the amount of data and the number of files to be migrated. To ensure a successful migration, you must specify the parameters based on an accurate estimation.

Kingsoft Standard Storage Service


This section describes the parameters for Kingsoft Standard Storage Service (KS3). You may need to configure these parameters when use Data Transport to migrate data.

- **Endpoint**

The following table lists the mappings between KS3 regions and endpoints.

Region	Endpoint
China (Beijing)	ks3-cn-beijing.ksyun.com
China (Shanghai)	ks3-cn-shanghai.ksyun.com
China (Hong Kong)	ks3-cn-hk-1.ksyun.com

Region	Endpoint
China (Hangzhou)	kss.ksyun.com
Russia	ks3-rus.ksyun.com
Singapore	ks3-sgp.ksyun.com

 **Note** To view the region where the bucket is deployed, log on to the [KS3 console](#), and navigate through **Storage & CDN > Object Storage > My Buckets > Bucket Details**.

- **Bucket**

The name of the KS3 bucket.

- **Prefix**

The prefix. The files in the directory that has the specified prefix are to be migrated. If the name of a file is the same as the specified prefix, the file is not to be migrated. The prefix cannot start with a forward slash (/) and must end with a forward slash (/). For example, you can specify the prefix as `docs/`.

- **Access Key ID and Secret Key**

The Access Key ID and the Secret Access Key that are used to migrate data. To create an Access Key ID and a Secret Access Key, log on to the [KS3 console](#), navigate through **Identities and Management > User Management**. On the page that appears, create an IAM user, and attach the `KS3FullAccess` policy to the IAM user to grant the IAM user the required permissions. On the IAM user details page, create an AccessKey ID and a Secret Access Key. You can delete the IAM user after the data migration is complete.

- **Data Size and File Count**

Specify the amount of data and the number of files to be migrated. Before you specify the two parameters, perform the following operations. Log on to the [KS3 console](#) and navigate through **Storage & CDN > Object Storage > My Buckets > Bucket Details**. On the page that appears, view the amount of data and the number of files stored in the bucket. Based on the results, estimate the amount of data and the number of files to be migrated. To ensure a successful migration, you must specify the parameters based on an accurate estimation.

Huawei Object Storage Service

This section describes the parameters for Huawei Object Storage Service (OBS). You may need to specify these parameters when you use the Data Transport console to create data migration jobs.

- **Endpoint**

The following table lists the regions that are supported by Huawei OBS. For more information, see [Regions and endpoints](#).

Region name	Abbreviation	Endpoint	Protocol type
CN North-Beijing4	cn-north-4	obs.cn-north-4.myhuaweicloud.com	HTTPS and HTTP

Region name	Abbreviation	Endpoint	Protocol type
CN North-Beijing1	cn-north-1	obs.cn-north-1.myhuaweicloud.com	
CN East-Shanghai2	cn-east-2	obs.cn-east-2.myhuaweicloud.com	
CN East-Shanghai1	cn-east-3	obs.cn-east-3.myhuaweicloud.com	
China (Guangzhou)	cn-south-1	obs.cn-south-1.myhuaweicloud.com	
CN South-Guangzhou	cn-southwest-2	obs.cn-southwest-2.myhuaweicloud.com	
AP-Bangkok	ap-southeast-2	obs.ap-southeast-2.myhuaweicloud.com	
AP-Hong Kong	ap-southeast-1	obs.ap-southeast-1.myhuaweicloud.com	
AP-Singapore	ap-southeast-3	obs.ap-southeast-3.myhuaweicloud.com	
AF-Johannesburg	af-south-1	obs.af-south-1.myhuaweicloud.com	

- **Bucket**

The name of the Huawei OBS bucket.

- **Prefix**

The prefix. The files in the directory that has the specified prefix are to be migrated. If the name of a file is the same as the specified prefix, the file is not to be migrated. The prefix cannot start with a forward slash (/) and must end with a forward slash (/). For example, you can specify the prefix as `docs/`.

- **Access Key ID and Secret Access Key**

The access key that is used to migrate data. An access key in Huawei Cloud consists of an access key ID and a secret access key. To view or create an access key, log on to the [Huawei Cloud console](#). In the upper-right corner of the console, move the pointer over the account name and click **My Credentials**. On the page that appears, navigate through **My Credentials > Access Keys > Create Access Key**. If you have not specified an access key during the first login, click **Create Access Key** to create an access key.

- **Data Size and File Count**

Specify the amount of data and the number of files to be migrated. Before you specify the two parameters, perform the following operations. Log on to the [Huawei Cloud console](#), choose **Service List > Object Storage Service > Object Storage**, and then select the bucket to be migrated. In the **Basic Statistics** section, view the storage usage and the number of the files (objects) to be migrated in the bucket. The following figure shows an example.



UCloud UFile

The section describes the parameters for UCloud UFile. You may need to specify these parameters when you use the Data Transport console to create data migration jobs.

- **Region**

The region where the UCloud UFile service is deployed. UCloud UFile supports the regions that are listed in the following table. For more information, see the [Regions and zones](#).

Region name	Abbreviation
China (Beijing)	cn-bj
China (Hong Kong)	hk
China (Guangzhou)	cn-gd
China (Shanghai 2)	cn-sh2
US (Los Angeles)	us-ca
Singapore	sg
Indonesia (Jakarta)	idn-jakarta
Nigeria (Lagos)	afr-nigeria
Brazil (Sao Paulo)	bra-saopaulo
Dubai	uae-dubai
Vietnam (Ho Chi Minh City)	vn-sng
China (Taipei)	tw-tp
India (Mumbai)	ind-mumbai
US (Washington)	us-ws
Germany (Frankfurt)	ge-fra

- **Bucket**

The name of the UFile bucket.

- **Prefix**

The prefix. The files in the directory that has the specified prefix are to be migrated. If the name of a file is the same as the specified prefix, the file is not to be migrated. The prefix cannot start with a forward slash (/) and must end with a forward slash (/). For example, you can specify the prefix as `docs/`.

- **Public Key and Private Key**

The API public key and the API private key that are used to migrate data. To view the API public key and the API private key, log on to the [UCloud console](#). Then, navigate to the API key management page, and view the API public key and the API private key.

- **Data Size and File Count**

Specify the amount of data and the number of files to be migrated. Before you specify the two parameters, perform the following operations. Log on to the [UCloud console](#) and navigate to the [UFile](#) page. On this page, click [Bucket](#) and click the name of the target bucket that stores the source data. On the [Overview](#) tab, view the storage usage of the target bucket. Based on the storage usage, estimate the amount of data and the number of files to be migrated. To ensure a successful migration, you must specify the number of files based on an accurate estimation.