Object Storage Migration Service

Best Practices

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1 Overview

This document describes how to use the Object Storage Migration Service (OMS) to quickly migrate objects in typical application scenarios.

Table 1-1 OMS best practices

Best Practice	Scenario	Advantage
Migrating Incremental Data With Back to Source	This practice is preferred in scenarios where a large amount of data needs to be migrated. This practice complies with the restrictions of Object Storage Service (OBS). For details, see **Overview of Back to Source**.	• Zero service interruptions Unsynchronized data is retrieved during incremental migration, making you unaware of the whole process. • High reliability Your services are fully verified before switchover. Full scanning and verification are performed during incremental migration to ensure that all data is migrated.

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Best Practice	Scenario	Advantage
Migrating Incremental Data With Dual-Write to Source and Destination Buckets	This practice is suitable to migration of a large amount of data but the back-to-source function of OBS is not supported. You need to configure your services to write data to both the source and destination buckets. The total cost of this practice is higher than that using the back-to-source solution.	Cross-cloud backup scenarios: • Zero service interruptions Your services do not have to go down during the migration. You can adjust the service switchover time based on your service requirements. • One-time migration and ease of use
Migrating Incremental Data With Multiple Incremental Synchronizations	This practice is suitable to rapid migration of a small amount of incremental data. The following methods can be used to quickly identify and migrate incremental data: • Identify the incremental objects in advance and migrate these objects using the OMS object list function. • Record the time when the previous migration task is created. When you create the next task, enable the incremental migration function of OMS and set the migration time to the time you recorded.	• Rapid migration • Short service interruption • Ease of use You can use the following rule to estimate how much time will be needed for an incremental migration: Incremental migration duration = Time required for identifying incremental objects (by comparing all objects in the source destination buckets) + Time required for migrating these incremental objects
Migrating Archive Data	This practice is suitable to migration of archive data.	Rapid migration enabled by restoration in advance

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2 Migrating Incremental Data With Dual-Write to Source and Destination Buckets

Scenarios

This section describes how to migrate incremental data using dual-write to source and destination buckets. This practice ensures zero service interruption.

The migration process is as follows:

1. Before migration, configure your services to write data to both the source and destination buckets. This is to ensure that incremental data is written to both buckets.
2. Perform a full migration of source data with OMS.
3. After the full migration and service verification, switch services to HUAWEI CLOUD and stop writing data to the source bucket.

CAUTION

OMS makes API calls to the object storage services on source platforms during migration. These API calls may generate fees on the source platforms and you will be responsible for those fees based on those source platform billing structures.

Prerequisites

- You have obtained the AK/SK pairs and required permissions for the source and destination platform accounts.
  - The source platform account needs the following permissions:
    - Listing all buckets
    - Obtaining bucket location
    - Listing objects
    - Obtaining object metadata

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    - Obtaining object content

      For details about how to obtain these permissions, see **Source Permissions**.
  - The destination platform account needs the following permissions:
    - Listing all buckets
    - Obtaining bucket location
    - Listing objects
    - Obtaining object metadata
    - Obtaining object content
    - Listing uploaded parts
    - Restoring archive objects

      For details about how to obtain these permissions, see **Destination Permissions**.
- You have created at least one bucket on OBS.
- You have registered an account with HUAWEI CLOUD and completed real-name authentication.

Procedure

Step 1 Log in to the management console.

Step 2 Click  in the upper left corner and select the desired region.

Step 3 Click **Service List**. Under **Migration**, click **Object Storage Migration Service**.

The **Object Storage Migration Service** page is displayed.

Step 4 Create a migration task or migration task group to migrate the source data.

- If there is more than 3 TB of data or more than 5 million objects to migrate, create a migration task group. For details, see **Creating a Migration Task Group**.
- If there is not a lot of source data, create a migration task. For details, see **Creating a Migration Task**.

Step 5 After the migration and service verification, switch services to HUAWEI CLOUD and stop writing data to the source bucket.

----End

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3 Migrating Incremental Data With Multiple Incremental Synchronizations

Scenarios

This section describes how to migrate incremental data with multiple incremental synchronizations.

The migration process is as follows:

1. Perform a full migration of source data with OMS.
2. Perform incremental data synchronization for multiple times to reduce data differences between the source and destination buckets.
3. After multiple incremental synchronizations are complete, stop the services carried by the source bucket and perform the last incremental synchronization at an appropriate time. After the last synchronization, configure the services to write data to the destination bucket.

CAUTION

OMS makes API calls to the object storage services on source platforms during migration. These API calls may generate fees on the source platforms and you will be responsible for those fees based on those source platform billing structures.

Prerequisites

- You have obtained the AK/SK pairs and required permissions for the source and destination platform accounts.
  - The source platform account needs the following permissions:
    - Listing all buckets
    - Obtaining bucket location
    - Listing objects
    - Obtaining object metadata

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    - Obtaining object content

      For details about how to obtain these permissions, see **Source Permissions**.
  - The destination platform account needs the following permissions:
    - Listing all buckets
    - Obtaining bucket location
    - Listing objects
    - Obtaining object metadata
    - Obtaining object content
    - Listing uploaded parts
    - Restoring archive objects

      For details about how to obtain these permissions, see **Destination Permissions**.
- You have created at least one bucket on OBS.
- You have registered an account with HUAWEI CLOUD and completed real-name authentication.

Procedure

Step 1 Log in to the management console.

Step 2 Click  in the upper left corner and select the desired region.

Step 3 Click **Service List**. Under **Migration**, click **Object Storage Migration Service**.

The **Object Storage Migration Service** page is displayed.

Step 4 Create a migration task or migration task group to migrate the source data.

- If there is more than 3 TB of data or more than 5 million objects to migrate, create a migration task group. For details, see **Creating a Migration Task Group**.
- If there is not a lot of source data, create a migration task. For details, see **Creating a Migration Task**.

Step 5 If any of the source data changes after the first migration, create a migration task or migration task group again to synchronize the incremental data. After multiple incremental synchronizations, stop writing data to the source bucket at an appropriate time and start the last incremental migration. After the last synchronization, configure the services to write data to the destination bucket.

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NOTE

To migrate incremental data quickly:

1. Identify the incremental objects in advance and migrate these objects using the OMS object list function.
2. Record the time when the previous migration task is created. When you create the next task, enable the incremental function of OMS and set the migration time to the time you recorded.

----End

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4 Migrating Archive Data

Scenarios

If there is archive data in the source bucket, migrating the data using OMS directly takes a long time. In this case, you may migrate the data in the way descried in this section.

CAUTION

- If you do not restore archive objects in advance, and if you rely entirely on the automatic restoration function of OMS, it takes 1 to 5 minutes to restore each object, depending on the source object storage services. This can significantly slow down the migration.
- For OBS buckets with the **direct reading** function enabled, the archive data in these OBS buckets can be directly downloaded without being restored in advance. But OMS cannot migrate such data.
- Direct reading may be a billable function of your source object storage service. Nevertheless, you will be billed for enabling OMS to call or directly using the direct reading function of HUAWEI CLOUD OBS. For details, see **Pricing Details**.
- Before you migrate archive data, you are advised to set the storage class of the destination bucket to **Standard**. After the migration is complete, confirm that the migrated data is correct, and change the storage class of the destination bucket to **Archive**.

Prerequisites

- You have obtained the AK/SK pairs and required permissions for the source and destination platform accounts.
  - The source platform account needs the following permissions:
    - Listing all buckets
    - Obtaining bucket location
    - Listing objects

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    - Obtaining object metadata
    - Obtaining object content

    For details about how to obtain these permissions, see **Source Permissions**.
  - The destination platform account needs the following permissions:
    - Listing all buckets
    - Obtaining bucket location
    - Listing objects
    - Obtaining object metadata
    - Obtaining object content
    - Listing uploaded parts
    - Restoring archive objects

    For details about how to obtain these permissions, see **Destination Permissions**.
- You have created at least one bucket on OBS.
- You have registered an account with HUAWEI CLOUD and completed real-name authentication.

Procedure

Step 1 Use a tool or the source platform management console to restore the archive data before migration. It is recommended that you configure a long restoration duration.

- If the source bucket is not on HUAWEI CLOUD, follow the restoration methods provided by the source cloud service vendors.
- If the source bucket is on HUAWEI CLOUD, use **obsutil** to restore the archive data. For details, see **Restoring Objects from OBS Archive**.

Step 2 Log in to the management console.

Step 3 Click **Service List**. Under **Migration**, click **Object Storage Migration Service**.

The **Object Storage Migration Service** page is displayed.

Step 4 Create a migration task or migration task group to migrate the source data.

- If there is more than 3 TB of data or more than 5 million objects to migrate, create a migration task group. For details, see **Creating a Migration Task Group**.
- If there is not a lot of source data, create a migration task. For details, see **Creating a Migration Task**.

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CAUTION

It is recommended that you enable the archive data restoration function of OMS. OMS will automatically restore and migrate the archive data that is not restored in advance.

----End

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5 Migrating Data Between HUAWEI CLOUD OBS Buckets

5.1 Background

This tutorial describes how to migrate data between HUAWEI CLOUD OBS buckets that are under different accounts or deployed in the same or different regions.

HUAWEI CLOUD OMS is an online data migration service. It helps you migrate data from third-party data storage to HUAWEI CLOUD OBS or between OBS buckets.

When you use HUAWEI CLOUD OMS, you need only to specify the source data address and destination OBS address on the console, and then create a migration task or migration task group. For details about the differences between a migration task and a migration task group, see **What Are the Application Scenarios of Migration Tasks and Migration Task Groups?** After the migration task starts, you can view and manage the migration task on the console.

CAUTION

- OMS is free until January 1, 2022. After the free trial expires, you will be billed only for data migrated by OMS. The billing mode allows you to easily and flexibly forecast the costs. For details, see **Product Pricing Details**. During the migration, the APIs of the object storage services on the source and destination platforms are called to upload and download data. You will be charged for the API requests generated as well as data download and upload. For details about the fees, see **Pricing Details**.
- OMS does not support the migration of objects of multiple versions.

5.2 Preparing for Migration

Before using OMS, make preparations by referring to this section.

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Creating Access Keys for the Source and Destination Accounts

- Check whether you have created an access key for your source account. If you have not, create one by referring to **Creating Access Keys (AK/SK)**
- Create an access key for the destination account. For details, see **Creating Access Keys (AKs and SKs)**.

Creating a Destination OBS Bucket

Create an OBS bucket for storing the migrated data. For details, see **Creating a Bucket**.

Restoring Archive Data in the Source Bucket

To migrate data of the Archive storage class, you need to restore the data before the migration. Otherwise, the migration will take a long time. For details, see **Restoring Objects from Archive Storage**.

CAUTION

Any unrestored data will fail to be migrated.

(Optional) Performing a Pre-Migration Evaluation

If there is more than 3 TB of data or more than 5 million objects in the source bucket, you are advised to perform pre-migration evaluation to collect statistics on the object distribution in the bucket and estimate how much time will be needed for the migration. For details, see **Evaluating Data in a Bucket**.

5.3 Creating a Migration Task

This section describes how to create a migration task.

Scenarios

If there is less than 3 TB of data or less than 5 million objects in a source bucket, create a migration task to quickly migrate the source data.

NOTE

If there is more than 3 TB of data or more than 5 million objects to migrate in a source bucket, **create a migration task group** to migrate the source data quickly.

Prerequisites

- You have obtained the AK/SK pairs and required permissions for the source and destination platform accounts.
  - The source platform account needs the following permissions:
    - Listing all buckets

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    - Obtaining bucket location
    - Listing objects
    - Obtaining object metadata
    - Obtaining object content

    For details about how to obtain these permissions, see **Source Permissions**.
  - The destination platform account needs the following permissions:
    - Listing all buckets
    - Obtaining bucket location
    - Listing objects
    - Obtaining object metadata
    - Obtaining object content
    - Listing uploaded parts
    - Restoring archive objects

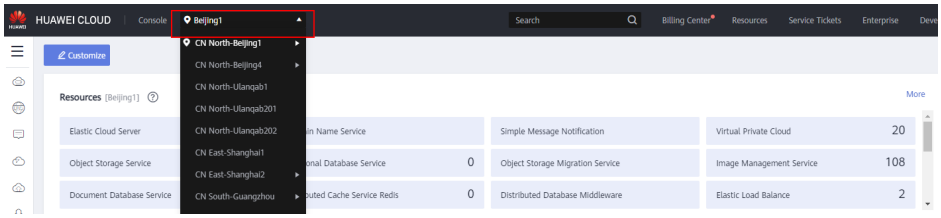
    For details about how to obtain these permissions, see **Destination Permissions**.
- You have created at least one bucket on OBS.
- You have created less than 5,000 migration tasks during the past 24 hours.
- You have less than 5,000 migration tasks in the **Waiting to migrate** state.
- You have registered an account with HUAWEI CLOUD and completed real-name authentication.

Procedure

Step 1 Log in to the HUAWEI CLOUD **console**.

Step 2 Click  in the upper left corner and select the region where the destination bucket is located from the drop-down list.

Figure 5-1 Selecting the region where the destination bucket is located



Step 3 Click **Service List** in the upper left corner, and choose **Migration** > **Object Storage Migration Service**.

You can also enter **OMS** in the search box to quickly find OMS.

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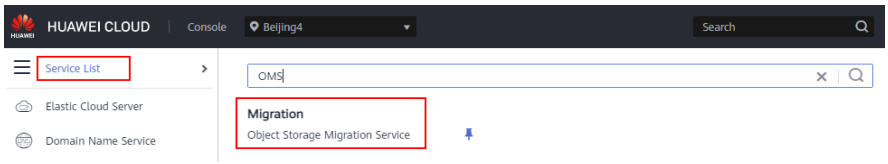
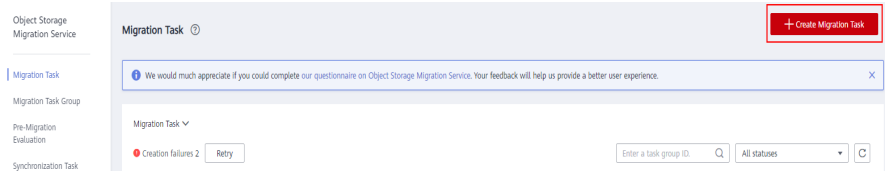
Figure 5-2 Choosing OMS



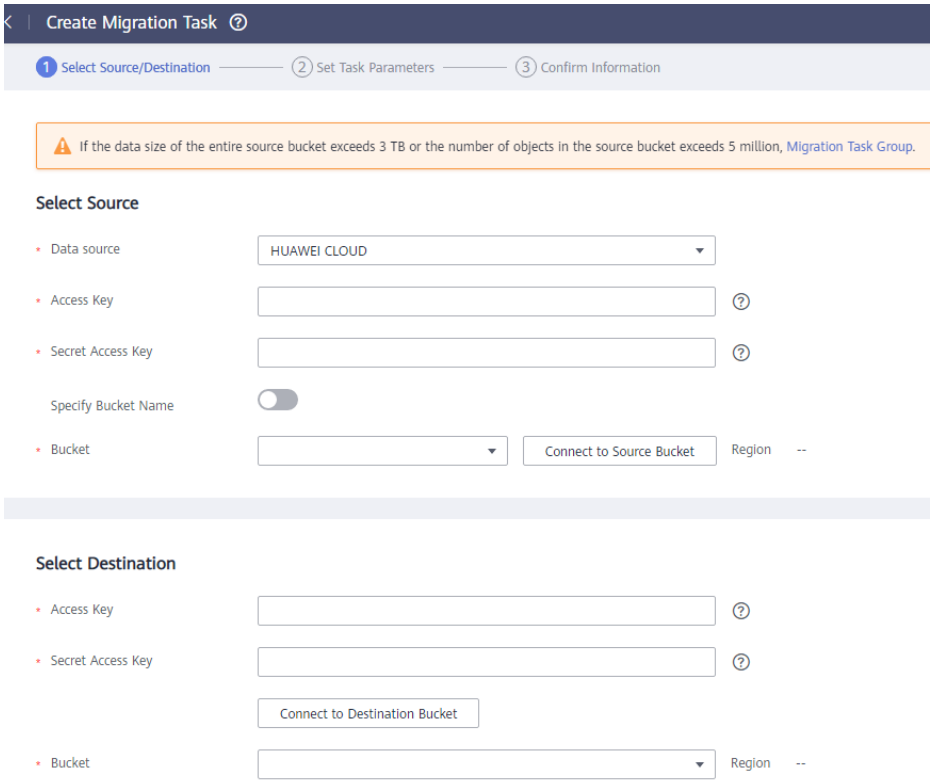
Step 4 On the **Migration Task** page, click **Create Migration Task** in the upper right corner.

Figure 5-3 Creating a migration task



Step 5 Read the privacy statement, select **Agree to the above privacy agreements**, and click **OK**. The **Create Migration Task** page is displayed.

Figure 5-4 Select Source/Destination



Step 6 Set parameters in the **Select Source** area. For details, see **Table 5-1**.

Table 5-1 Parameters for configuring a source bucket

Parameter	Configuration
Data Source	Select **HUAWEI CLOUD**.

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Parameter	Configuration
Access Key	Enter the access key ID (AK) of the HUAWEI CLOUD account to which the source bucket belongs.
Secret Access Key	Enter the secret access key (SK) of the HUAWEI CLOUD account to which the source bucket belongs.
Specify Bucket Name	Disable **Specify Bucket Name** (This feature is disabled by default.) 1. Click **Connect to Source Bucket** next to **Bucket**. All buckets under the account are listed. 2. Select the bucket you want to migrate from the drop-down list. **NOTE** If the source account does not have the permissions required to list buckets, enable **Specify Bucket Name**.
	Enable **Specify Bucket Name**. 1. Select the region where the source bucket resides from the **Select Region** drop-down list. 2. In the **Bucket Name or Path** text box, enter the source bucket name or the source bucket path with the bucket name. 3. Click **Connect to Source Bucket**.

Step 7 Set parameters in the **Select Destination** area. For details, see **Table 5-2**.

Table 5-2 Destination parameters

Parameter	Configuration
Access Key	Enter the AK of the HUAWEI CLOUD account to which the destination bucket belongs.
Secret Access Key	Enter the SK of the HUAWEI CLOUD account to which the destination bucket belongs. After you enter the AK and SK, click **Connect to Destination Bucket**.
Bucket	Select the destination OBS bucket for storing the migrated data.

Step 8 Click **Next**. The **Set Task Parameters** page is displayed.

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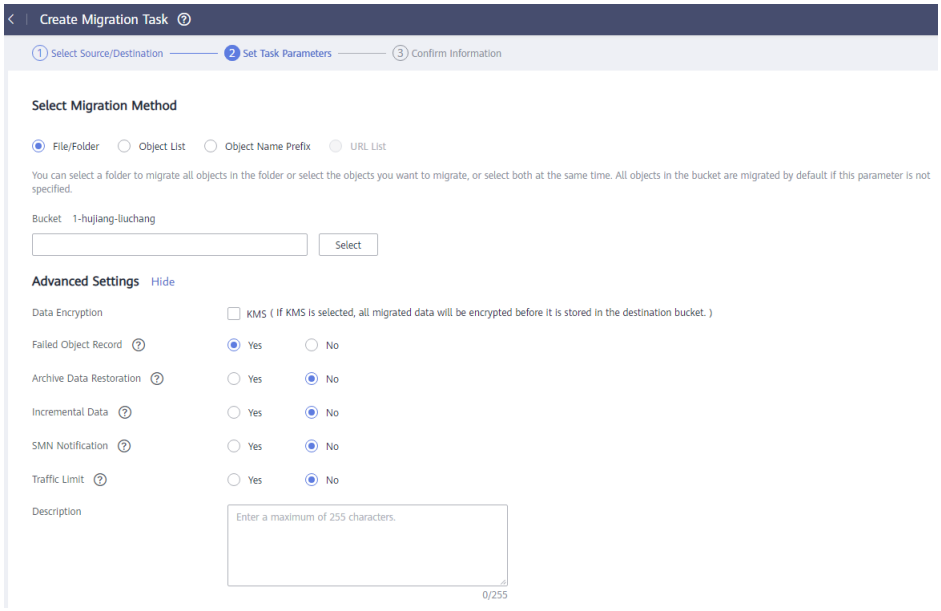
Figure 5-5 Set Task Parameters



Step 9 Select a migration method. The following table lists the details about each method.

Migration Method	Scenario	Description
File/Folder	You have obtained the names of files to be migrated, or the folders where the files to be migrated are located.	• When you select folders, all files in the selected folders will be migrated. • When you select files, all selected files will be migrated. You can select both folders and files for migration. If you do not select specific files or folders, all objects in the bucket will be migrated by default.

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Migration Method	Scenario	Description
Object List	You have obtained the names of all the objects to be migrated, saved the object names in a .txt file, and uploaded the file to an OBS bucket on HUAWEI CLOUD.	• **List File Bucket (HUAWEI CLOUD)**: The bucket where the list files are stored must be in the same region as the destination bucket. Otherwise, the list files cannot be selected. • **Select Object List File**: Select the .txt files that contain the names of all objects to be migrated.

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Migration Method	Scenario	Description
		NOTE • Each object list file cannot exceed 100 MB. • The object list file must be a .txt file, and **ContentType** in the metadata of the file must be **text/plain**. • The object list file must be in UTF-8 without BOM. • Each line in the object list file can contain only one object name, and the object name must be URL encoded. • Spaces are not allowed in each line in the object list file. Spaces may cause migration failures because they may be mistakenly identified as object names. • The length of each line in the object list file cannot exceed 65,535 characters, or the migration will fail. • **ContentEncoding** cannot be set in the metadata of the object list file, or the migration will fail. • Archive data can only be accessed and obtained by OMS after it is restored. If the object list files are archive, manually restore them before migration.
Object Name Prefix	You know the naming format of the objects to be migrated, and the objects to be migrated are named with the same prefix.	After a prefix is added, all objects whose names start with the prefix will be migrated. If this parameter is not specified, all objects in the bucket will be migrated.

Step 10 (Optional) Select **File/Folder**.

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1. Click **Select** under the bucket name. The **Select File/Folder** dialog box is displayed.
2. Select the folders or files to be migrated.

   NOTE

   You can select both folders and files for migration. If you do not select specific files or folders, all objects in the bucket will be migrated by default.

Figure 5-6 Selecting folders

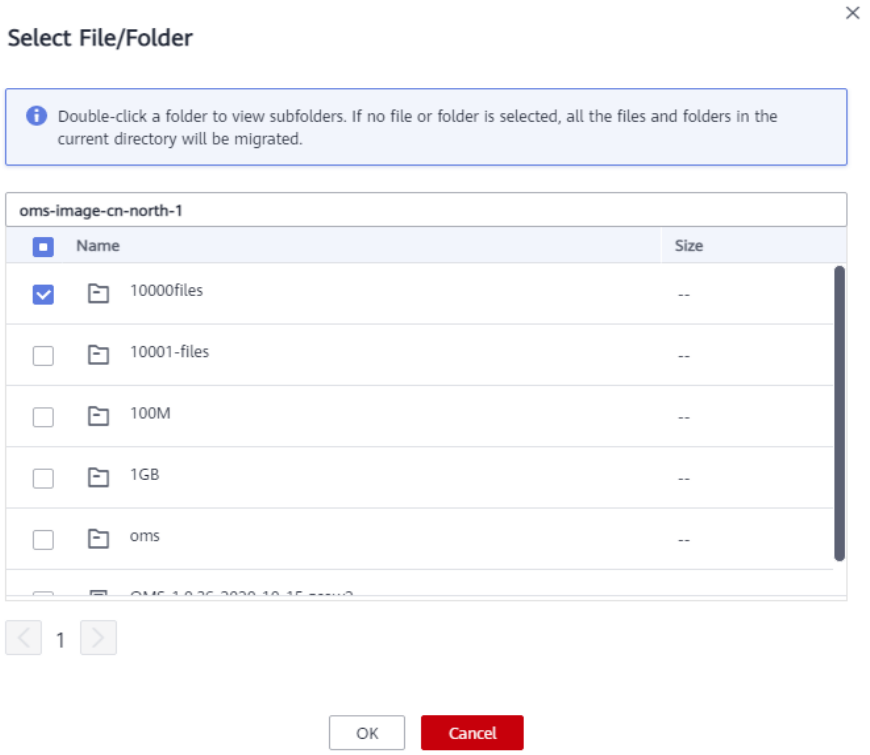

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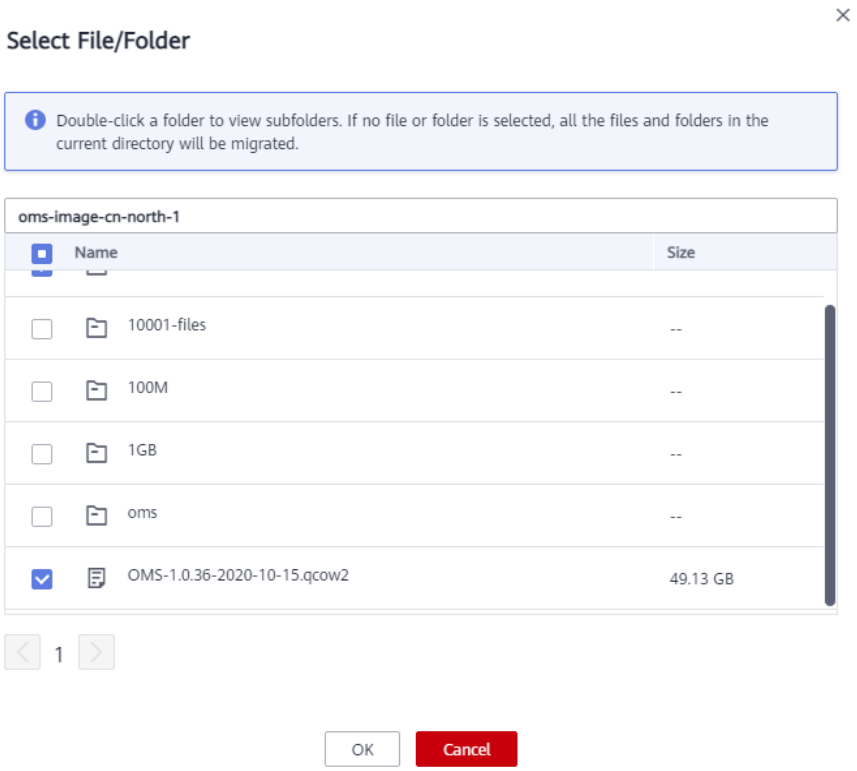
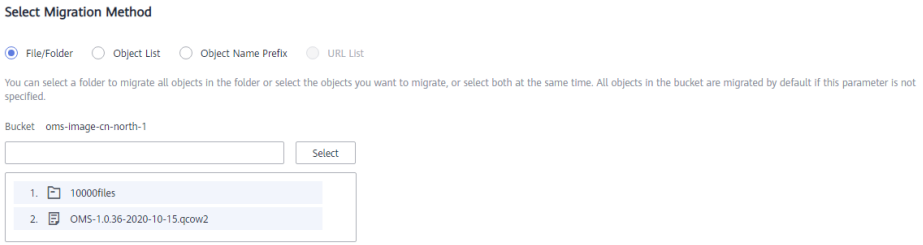
Figure 5-7 Selecting files



3. Click **OK**. The selected files or folders are displayed.

Figure 5-8 Selected files and folders



Step 11 (Optional) Select **Object List**.

1. In the **List File Bucket (HUAWEI CLOUD)** select the bucket where the object list files is stored.

CAUTION

If the bucket used for storing object list files is not located in the same region as the destination bucket, you cannot select the object list files.

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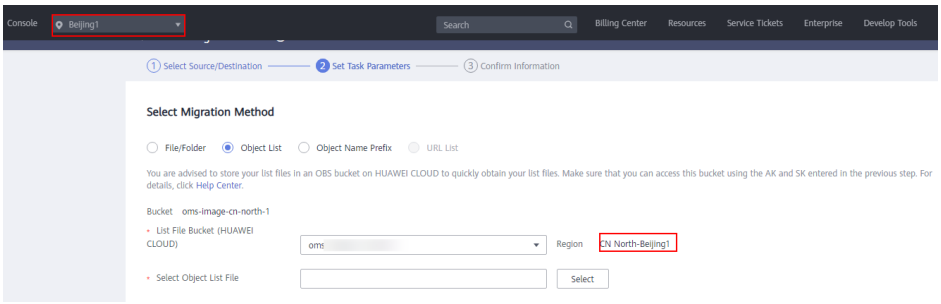
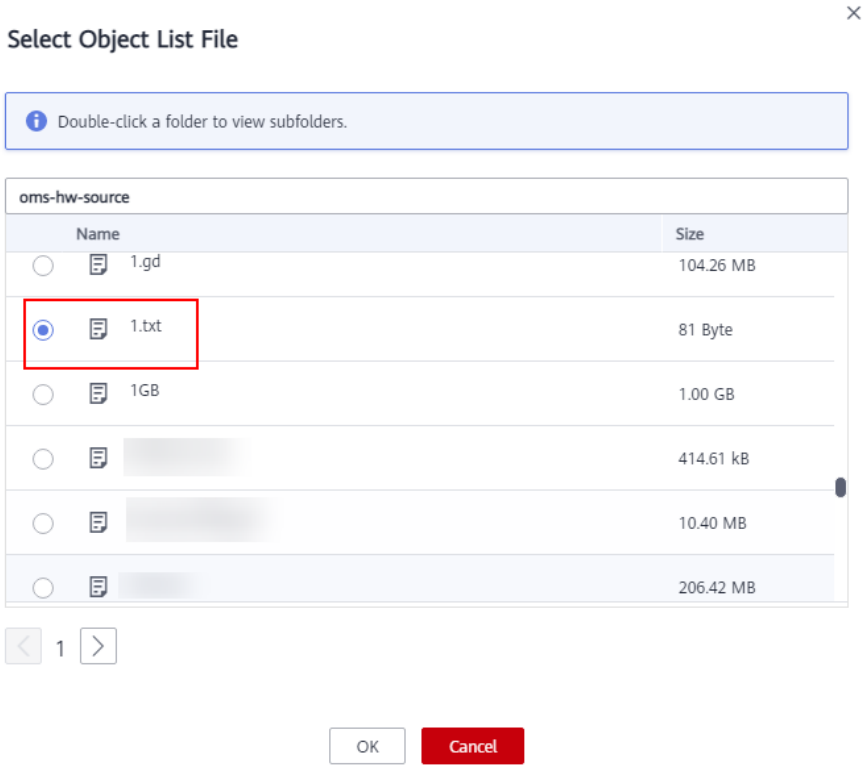
Figure 5-9 Selecting the bucket where the object list files are stored



2. Click **Select** next to **Select Object List File**. In the displayed **Select Object List File** dialog box, select the .txt file that contains the names of all objects to be migrated, and click **OK**.

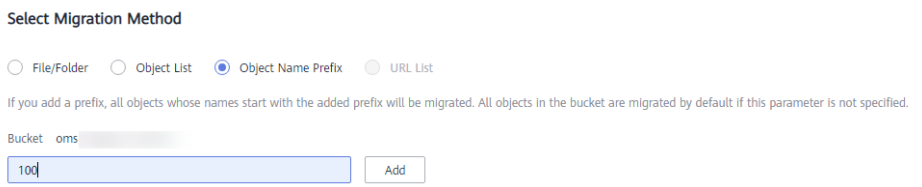
Figure 5-10 Selecting object list files



Step 12 (Optional) Select **Object Name Prefix**.

1. Enter the names or name prefixes of the objects to be migrated in the text box under **Bucket**.

Figure 5-11 Entering the names or name prefixes of objects to be migrated



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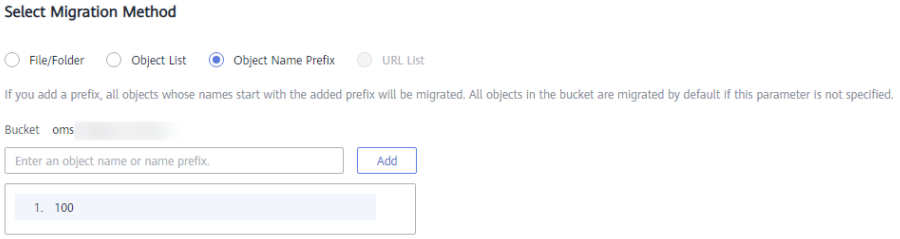
2. Click **Add**. The system will automatically list the matched objects.

Figure 5-12 Matched objects



NOTE

You can click to delete the objects that do not need to be migrated from the list. If no object names or name prefixes are specified, all objects in the source bucket will be migrated.

Step 13 (Optional) Click **Show** next to **Advanced Settings**. Set parameters in **Advanced Settings** based on **Table 5-3**.

Figure 5-13 Advanced settings

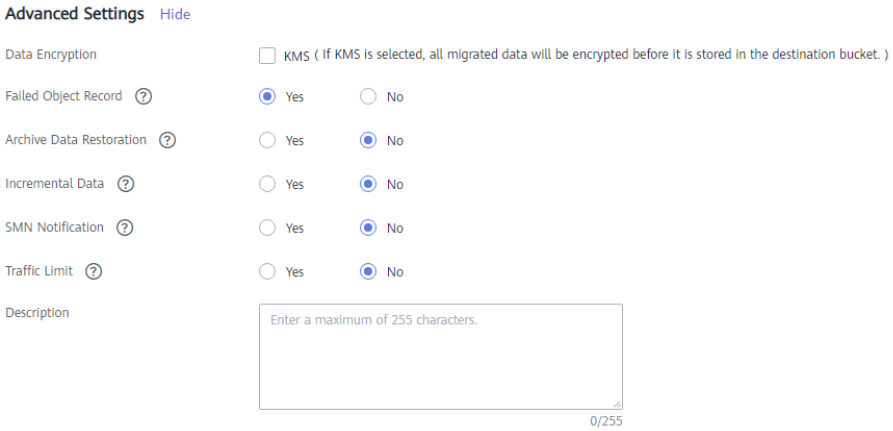


Table 5-3 Advanced settings

Parameter	Description
(Optional) Data Encryption	If you select **KMS**, migrated data is encrypted before being transferred to the destination OBS buckets.

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Parameter	Description
Failed Object Record	The default value is **Yes**. • If this option is set to **No**, the system will not record the objects that fail to be migrated. If the migration fails and needs to be retried, all objects in the source bucket need to be migrated again. • If this option is set to **Yes**, the system will record the objects that fail to be migrated. If the migration fails and needs to be retried, only the failed objects need to be migrated again.
Archive Data Restoration	The default value is **No**. You are advised to retain the default configuration, and restore any archived data using OBS tools before the migration. For details, see **Restoring Objects from Archive Storage**. • If this option is set to **No**, the system directly records archive objects in the list of objects that failed to be migrated and continues to migrate other objects. • If this option is set to **Yes**, the system automatically restores and migrates archive objects.
Incremental Data	This parameter is used to specify whether to filter source objects to be migrated by time. The default value is **No**. • If this option is set to **No**, source objects are not filtered by time. • If this option is set to **Yes**, only the source objects that are modified or added after the specified time are migrated.
SMN Notification	Specifies whether to use SMN to notify you of migration results. • If this option is set to **No**, no SMN message is sent after the migration. • If this option is set to **Yes**, you will receive an SMN message informing you of the migration results.
Traffic Limit	Set the maximum bandwidth for the migration task during a specified period of time. • If you do not need to limit migration traffic, select **No**. • If you need to limit migration traffic, select **Yes**.

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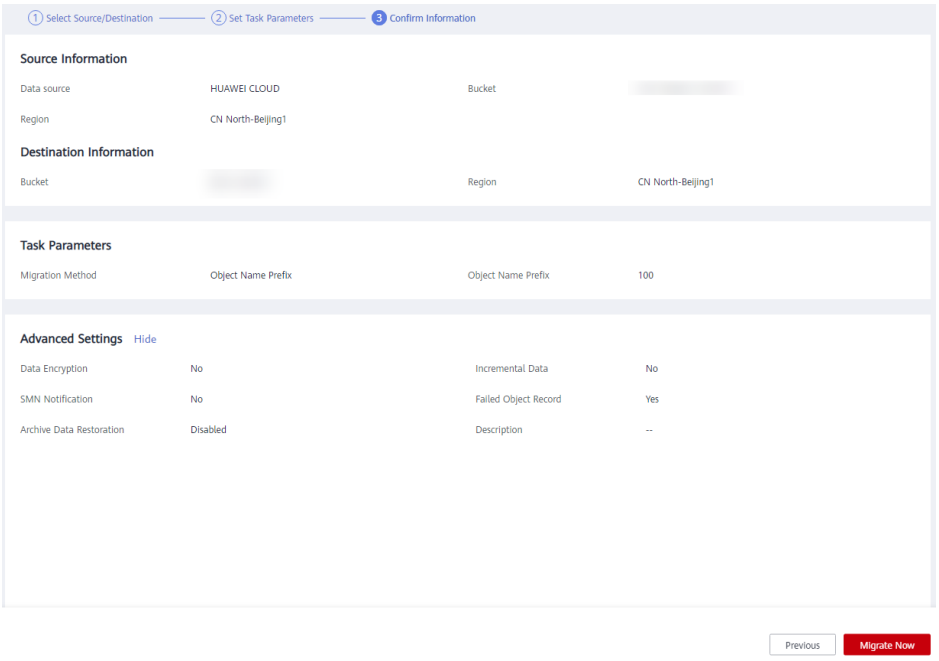
Parameter	Description
Description	In the **Description** area, enter a brief description about the migration task.

Step 14 Click **Next** to enter the confirmation page.

Figure 5-14 Confirmation



Step 15 Confirm the source information, destination information, task parameters, and advanced settings, and click **Migrate Now**. A message is displayed, indicating that the migration task group is successfully created. The migration task is displayed in the migration task list.

NOTE

After the task is created, a task ID is generated for you for quick identification. It is displayed in the upper left corner of the task list. It is composed of the source bucket name, destination bucket name, and time sequence ID.

----End

Related Operations

You can perform the following operations on a created migration task.

Operation	Description
View a migration task.	For details, see **Viewing a Migration Task**.
Manage a migration task.	For details, see **Managing a Migration Task**.

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5.4 Creating a Migration Task Group

This section describes how to create a migration task group.

Scenarios

If there is more than 3 TB of data or more than 5 million objects to migrate in a source bucket, you can create a migration task group to migrate the source data quickly. The system will intelligently group the source objects into multiple sub-tasks for concurrent migration.

Prerequisites

- You have obtained the AK/SK pairs and required permissions for the source and destination platform accounts.
  - The source platform account needs the following permissions:
    - Listing all buckets
    - Obtaining bucket location
    - Listing objects
    - Obtaining object metadata
    - Obtaining object content

    For details about how to obtain these permissions, see **Source Permissions**.
  - The destination platform account needs the following permissions:
    - Listing all buckets
    - Obtaining bucket location
    - Listing objects
    - Obtaining object metadata
    - Obtaining object content
    - Listing uploaded parts
    - Restoring archive objects

    For details about how to obtain these permissions, see **Destination Permissions**.
- You have created at least one bucket on OBS.
- You have created less than 100 migration task groups during the past 24 hours.
- You have created less than 5,000 migration tasks during the past 24 hours.

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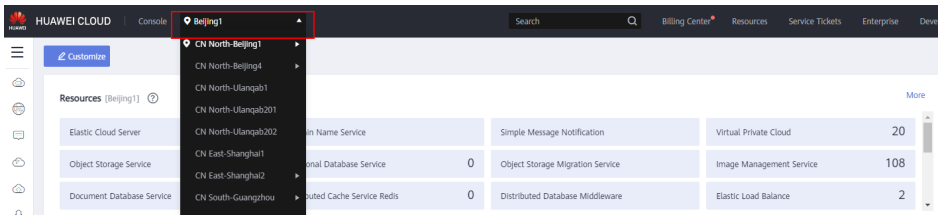
- You have less than 5,000 migration tasks in the **Waiting to migrate** state.
- You have registered an account with HUAWEI CLOUD and completed real-name authentication.

Procedure

Step 1 Log in to the HUAWEI CLOUD **console**.

Step 2 Click  in the upper left corner and select the region where the destination bucket is located from the drop-down list.

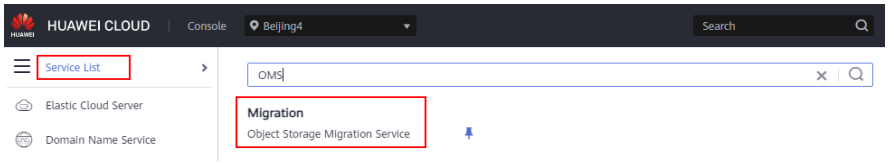
Figure 5-15 Selecting the region where the destination bucket is located



Step 3 Click **Service List** in the upper left corner, and choose **Migration** > **Object Storage Migration Service**.

You can also enter **OMS** in the search box to quickly find OMS.

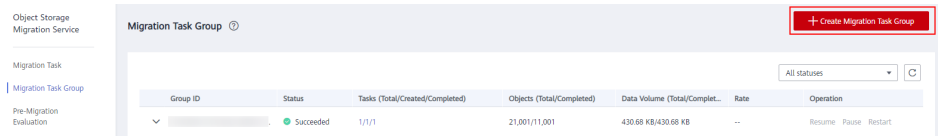
Figure 5-16 Choosing OMS



Step 4 In the navigation pane on the left, choose **Migration Task Group**.

Step 5 On the **Migration Task Group** page, click **Create Migration Task** in the upper right corner.

Figure 5-17 Creating a migration task group



Step 6 Read the privacy statement, select **Agree to the above privacy agreements**, and click **OK**. The **Create Migration Task Group** page is displayed.

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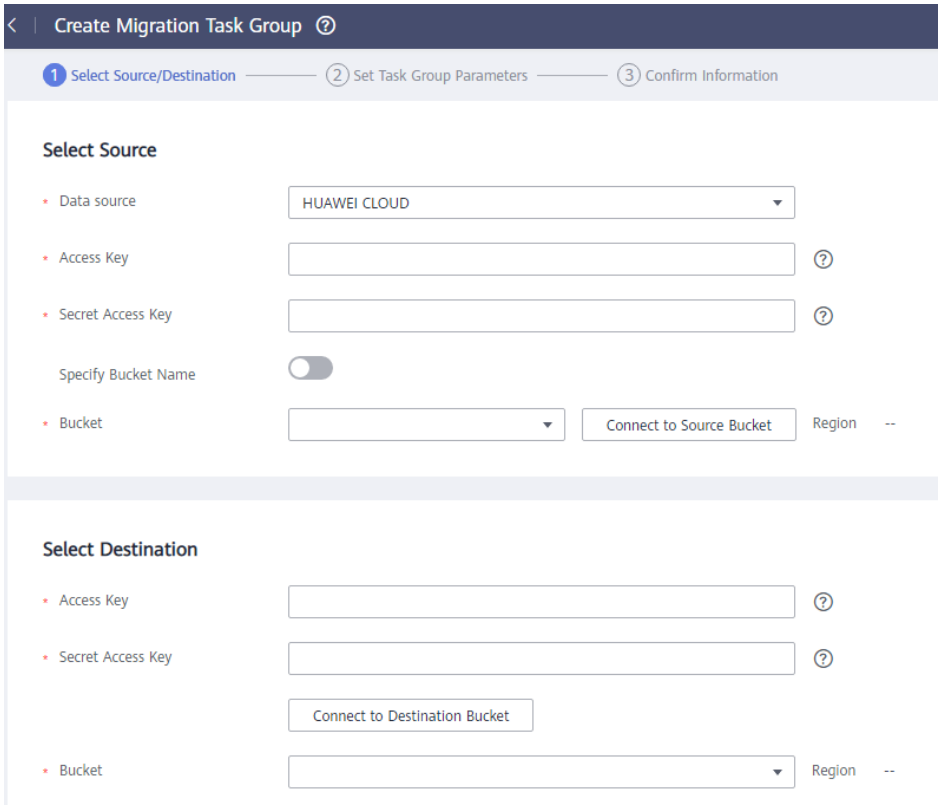
Figure 5-18 Select Source/Destination



Step 7 Set parameters in the **Select Source** area. For details, see **Table 5-4**.

Table 5-4 Parameters for configuring a source bucket

Parameter	Configuration
Data Source	Select **HUAWEI CLOUD**.
Access Key	Enter the access key ID (AK) of the HUAWEI CLOUD account to which the source bucket belongs.
Secret Access Key	Enter the secret access key (SK) of the HUAWEI CLOUD account to which the source bucket belongs.
Specify Bucket Name	Disable **Specify Bucket Name** (This feature is disabled by default.) 1. Click **Connect to Source Bucket** next to **Bucket**. All buckets under the account are listed. 2. Select the bucket you want to migrate from the drop-down list. **NOTE** If the source account does not have the permissions required to list buckets, enable **Specify Bucket Name**.

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Parameter	Configuration
	Enable **Specify Bucket Name**. 1. Select the region where the source bucket resides from the **Select Region** drop-down list. 2. In the **Bucket Name or Path** text box, enter the source bucket name or the source bucket path with the bucket name. 3. Click **Connect to Source Bucket**.

Step 8 Set parameters in the **Select Destination** area. For details, see **Table 5-5**.

Table 5-5 Destination parameters

Parameter	Configuration
Access Key	Enter the AK of the HUAWEI CLOUD account to which the destination bucket belongs.
Secret Access Key	Enter the SK of the HUAWEI CLOUD account to which the destination bucket belongs. After you enter the AK and SK, click **Connect to Destination Bucket**.
Bucket	Select the destination OBS bucket for storing the migrated data.

Step 9 Click **Next**. The **Set Task Group Parameters** page is displayed.

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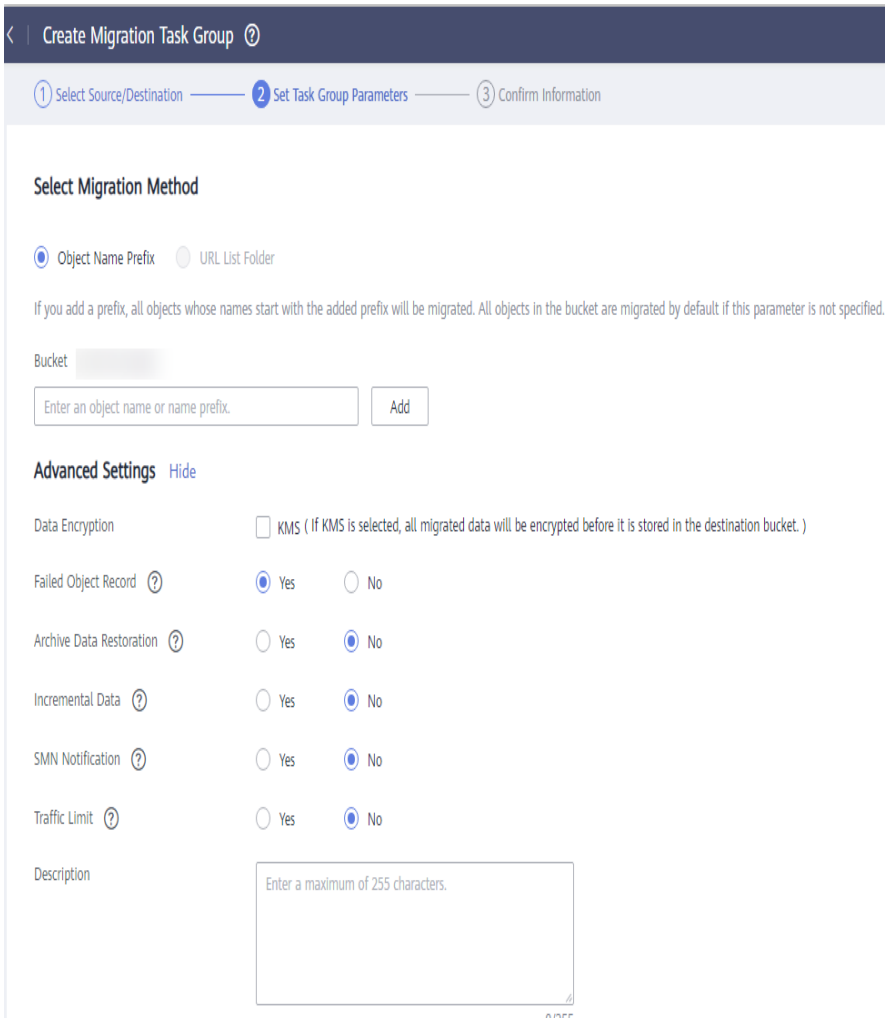
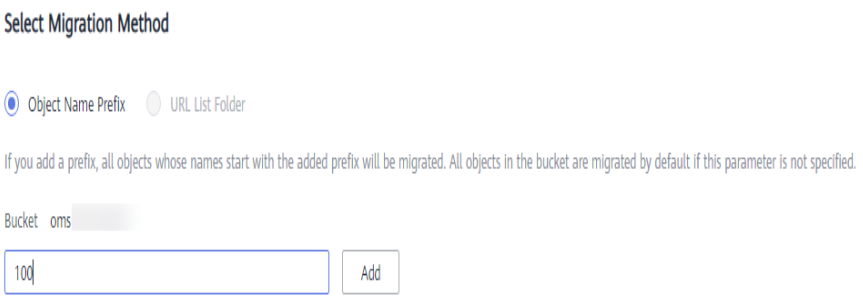
Figure 5-19 Set Task Group Parameters



Step 10 Select **Object Name Prefix**.

1. Enter the names or name prefixes of the objects to be migrated in the text box under **Bucket**.

   Figure 5-20 Entering the names or name prefixes of objects to be migrated

2. Click **Add**. The system will automatically list the matched objects.

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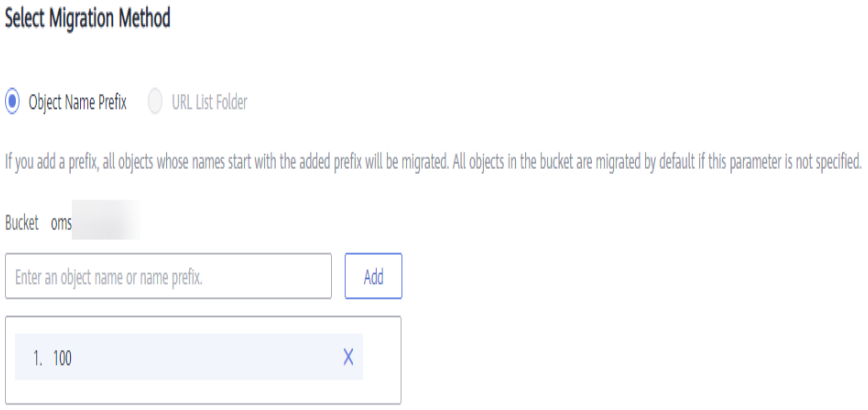
Figure 5-21 Matched objects



NOTE

You can click to delete the objects that do not need to be migrated from the list. If no object names or name prefixes are specified, all objects in the source bucket will be migrated.

Step 11 (Optional) Click **Show** next to **Advanced Settings**. Set parameters in **Advanced Settings** based on **Table 5-6**.

Figure 5-22 Advanced settings

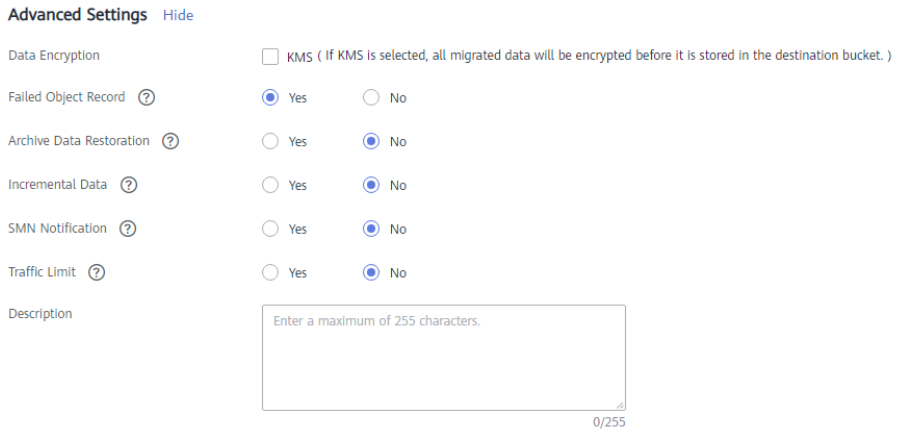


Table 5-6 Advanced settings

Parameter	Description
(Optional) Data Encryption	If you select **KMS**, migrated data is encrypted before being transferred to the destination OBS buckets.

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Parameter	Description
Failed Object Record	The default value is **Yes**. • If this option is set to **No**, the system will not record the objects that fail to be migrated. If the migration fails and needs to be retried, all objects in the source bucket need to be migrated again. • If this option is set to **Yes**, the system will record the objects that fail to be migrated. If the migration fails and needs to be retried, only the failed objects need to be migrated again.
Archive Data Restoration	The default value is **No**. You are advised to retain the default configuration, and restore any archived data using OBS tools before the migration. For details, see **Restoring Objects from Archive Storage**. • If this option is set to **No**, the system directly records archive objects in the list of objects that failed to be migrated and continues to migrate other objects. • If this option is set to **Yes**, the system automatically restores and migrates archive objects.
Incremental Data	This parameter is used to specify whether to filter source objects to be migrated by time. The default value is **No**. • If this option is set to **No**, source objects are not filtered by time. • If this option is set to **Yes**, only the source objects that are modified or added after the specified time are migrated.
SMN Notification	Specifies whether to use SMN to notify you of migration results. • If this option is set to **No**, no SMN message is sent after the migration. • If this option is set to **Yes**, you will receive an SMN message informing you of the migration results.
Traffic Limit	Set the maximum bandwidth for the migration task during a specified period of time. • If you do not need to limit migration traffic, select **No**. • If you need to limit migration traffic, select **Yes**.

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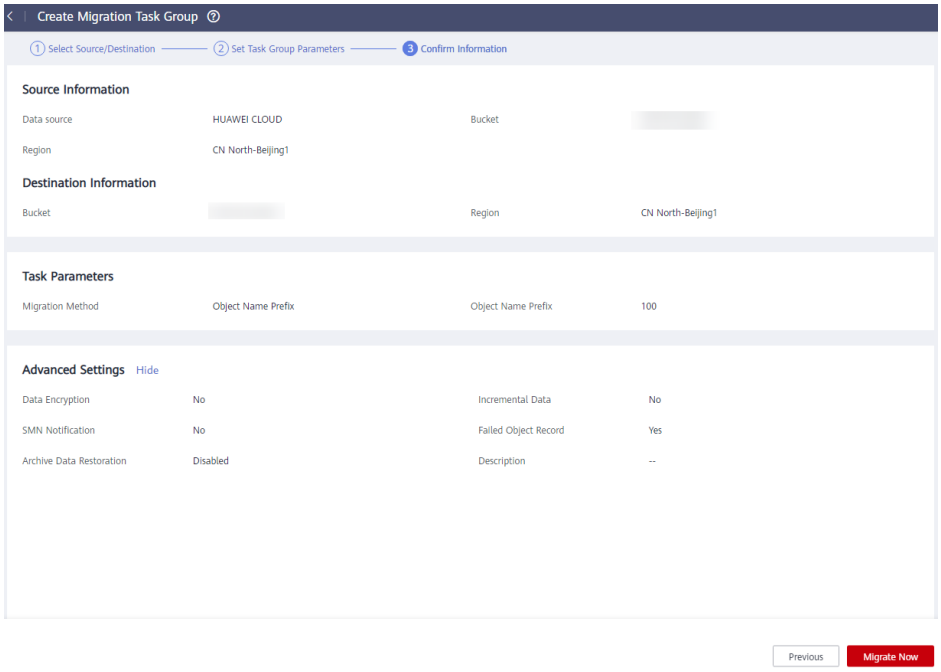
Parameter	Description
Description	In the **Description** area, enter a brief description about the migration task.

Step 12 Click **Next** to enter the confirmation page.

Figure 5-23 Confirmation



Step 13 Confirm the source information, destination information, task group parameters, and advanced settings, and click **Migrate Now**. A message is displayed indicating that the task group has been submitted. The task group is displayed in the migration task group list.

----End

Related Operations

You can perform the following operations on a created migration task group.

Operation	Description
View a migration task group.	For details, see **Viewing a Migration Task**.
Manage a migration task group.	For details, see **Managing a Migration Task**.

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6 Change History

Released On	Description
2021-05-21	This issue is the fourth official release. Added **Migrating Data Between HUAWEI CLOUD OBS Buckets**.
2021-03-16	This issue is the third official release. • Updated Migrating Incremental Data With Back to Source. • Updated **Migrating Incremental Data With Dual-Write to Source and Destination Buckets**. • Updated **Migrating Incremental Data With Multiple Incremental Synchronizations**. • Updated **Migrating Archive Data**.
2020-12-08	This issue is the second official release. • Added Migrating Incremental Data With Back to Source. • Added **Migrating Incremental Data With Dual-Write to Source and Destination Buckets**. • Added **Migrating Incremental Data With Multiple Incremental Synchronizations**. • Added **Migrating Archive Data**.
2019-08-31	This issue is the first official release.

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