

Cloud Migration Migration Plan Product Documentation



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Last updated: 2025-08-04 16:58:13

Prerequisites

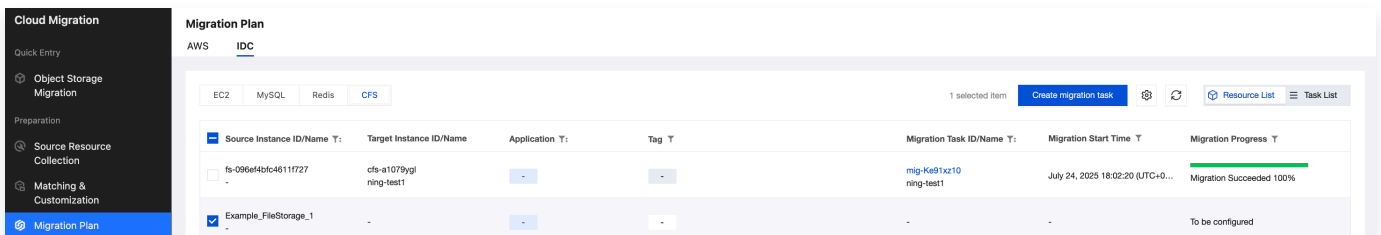
You need to complete [origin server collection](#) and [benchmark selection](#).

Support Scope

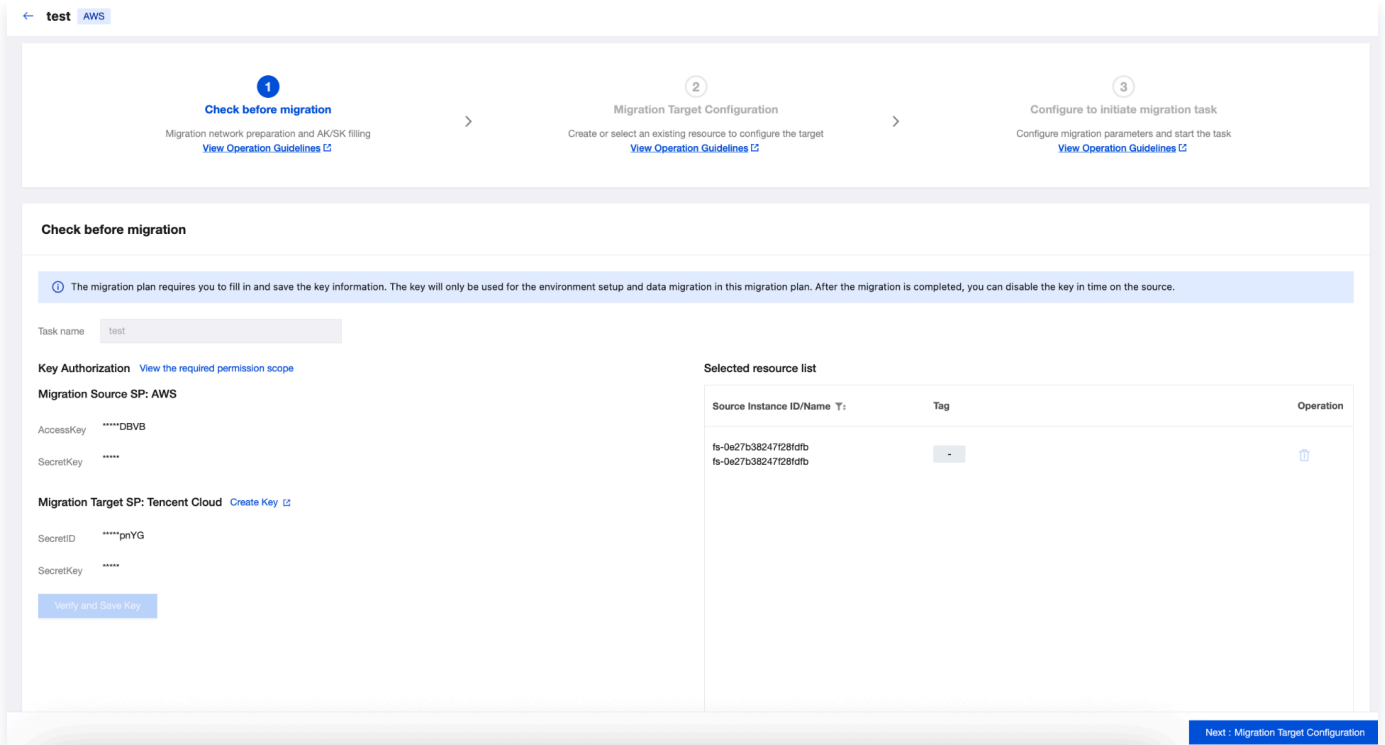
Currently, cloud migration supports batch migration of file storage (EFS) from AWS or IDC sources.

Directions

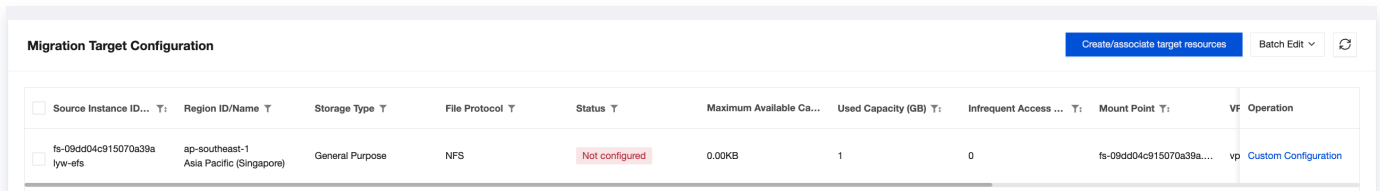
1. Enter [Cloud Migration > Preparation > Migration Plan](#) > AWS or IDC tab, select the file storage (EFS) to migrate, and click **Create migration task**.



2. Step 1 is **Check before migration**. Input the migration **Task name**. Fill in the **AWS** and **Tencent Cloud** key information respectively. Then click **Verify and Save Key**.



3. After the key verification passes, click **Next:Migration Target Configuration**.
4. In the operation column of the resources to be migrated, click **Custom Configuration**. In the custom configuration, you can choose **Created by Recommended Resources** or select to migrate to **Existing Resources**, and then click **Confirm**.



5. Check the resources to be migrated, click **Create/associate target resources**, click **Confirm** in the pop-up to complete the association or creation of the target bucket for migration, and then click **Next:Configure to initiate migration task**.

Migration Target Configuration [Create/associate target resources](#) [Batch Edit](#) [Refresh](#)

| <input type="checkbox"/> | Source Instance ID... | Region ID/Name | Storage Type | File Protocol | Status | Maximum Available Ca... | Used Capacity (GB) | Infrequent Access ... | Mount Point | VF | Operation |
|--------------------------|---------------------------------|--|-----------------|---------------|---------|-------------------------|--------------------|-----------------------|--------------------------|----|--------------------------------------|
| <input type="checkbox"/> | fs-09dd04c915070a39a tyw-efs | ap-southeast-1 Asia Pacific (Singapore) | General Purpose | NFS | Created | 0.00KB | 1 | 0 | fs-09dd04c915070a39a.... | vp | Custom Configuration |

Total items: 1 50 / page [1](#) / 1 page

[Back : Check before migration](#) [Next : Configure to initiate migration task](#)

6. Select the file storage to be migrated, and click **Advanced Configuration**.

- When the source is AWS, if using private network migration, select **Private Network** in the **Migrate Network**.

Advanced Configuration

Migrate Network
 Private Network
 Public network

Basic Info

Source File Storage ID/Name fs-09dd04c915070a39a
lyw-efs

Source-End migration path to be migrated.
 Root directory
 Specify Directory

Access Point Please select ▼

Migration Target Configuration

Target-End CFS ID/Name cfs-f1j2xrul
lyw-efs

Target path to be migrated.
 Root directory
 Specify Directory

Whether To Overwrite
 Do not overwrite
 overwrite
 Conditional Coverage

Migration plug-in cluster.
 Please select ▼

- **Source-End migration path to be migrated:** Select the root directory or a specified directory. The specified directory is the path for source file storage, excluding the path of the mounted server.
- **Access Point:** The access point in AWS file storage mount information.
- **Target path to migrated:** Select the root directory or a specified directory. The specified directory is the path of the source file storage, excluding the path of the mounted server.
- **Whether To Overwrite:** You can choose to overwrite, not overwrite, or conditionally overwrite.

! Note:

Conditional coverage refers to overwriting files where the last modification time of the source file is later than that of the target file.

- **Migration plug-in cluster:** Select an online and idle migration cluster. If you need to create a new migration cluster, please see [Migration Cluster Management](#).

- When the source is AWS, if using public network migration, select the **Public Network** in the **Migrate Network**.

Advanced Configuration

Migrate Network: Private Network Public network

Basic Info

Source File Storage ID/Name: fs-09dd04c915070a39a
lyw-efs

Access Point:

Migration path:
Please enter the file storage directory to be migrated (including the path of the mount server), for example: /pdf/test

Source - end mounted server address:
The server must be Linux; public network IP and port, for example: 10.2.7.12:22

Username of the source - side mounting server:

Password for the source - side mounted server:

Migration Target Configuration

Target-End CFS ID/Name: cfs-f1j2xrul
lyw-efs

Target path to be migrated: Root directory Specify Directory

Whether To Overwrite: Do not overwrite overwrite Conditional Coverage

Migration plug-in cluster:

- **Access Point:** The access point in AWS file storage mount information.
- **Migration path:** Enter the file storage path of the source to be migrated.
- **Source mount server address:** Enter the server address where the source file storage is mounted.
- **Username of the source – side mounting server:** Enter the username of the source server for mounting (the source server requires a login method with username and password settings).
- **Password of the source – side mounting server:** Enter the password of the source server to be mounted.
- **Target path to be migrated:** Select the root directory or a specified directory. The specified directory is the path of the source file storage, excluding the path of the mounted server.
- **Whether To Overwrite:** You can choose to overwrite, not overwrite, or conditionally overwrite.

Note:

Condition override refers to overwriting files where the last modification time of the source file is later than that of the target.

- **Migration plug-in cluster:** Select an online and idle migration cluster. If you need to create a new migration cluster, please see [Migration Cluster Management](#).
- When the source is IDC, if using private network migration, select **Private Network** from the **Migrate network**.

Advanced Configuration
✕

Migrate Network

Basic Info

Source File Storage ID/Name Example_FileStorage_1

Source-Side Data Mounting Approaches

The platform automatically mounts the source to the migrate cluster based on the source file system host address

Select mounting protocol

Recommended
▼

Source Cloud File Storage (CFS) host address

Source-End migration path to be migrated.

Migration Target Configuration

Target-End CFS ID/Name cfs-46oekh5p

Target path to be migrated.

Specify Directory

 create directory

After checking the box to create a directory, if the directory exists, it will be migrated directly. If it does not exist, it will be automatically created and then migrated

Whether To Overwrite
 Do not overwrite
 overwrite
 Conditional Coverage

Migration plug-in cluster.

▼

+ Create Cluster

Whether to enable incremental
 Enable incremental

- **Source-Side Data Mounting Approaches:** Select auto mount or manual mount.
 - auto mount: The platform will auto mount based on the source CFS host address and protocol without logging in to the migrate cluster.
 - manually mount: Requires manually logging in to the migrate cluster and mounting the source CFS to the cluster nodes.
- **Select mounting protocol:** Select the protocol for the source file storage.
- **Source Cloud File Storage(CFS) host address:** Enter the server address of the source file storage.
- **Source-End migration path to be migrated:** Select root directory or specified directory. The specified directory is the path of the source file storage, excluding the server mount path.
- **Target path to be migrated:** Select root directory or specified directory. The specified directory is the path of the source file storage, excluding the server mount path.

- **Whether To Overwrite:** You can choose to overwrite, not overwrite, or selectively overwrite.

Note:

Condition coverage refers to files where the source file last modification time is later than the target last modification time.

- **Migration plug-in cluster:** Select an online and idle migration cluster. If needed, create a new migration cluster. Please refer to [cluster management](#).
- **Select mount node IP:** Select the cluster node where the source file storage is mounted.
- **Whether to enable incremental:** Once enabled, after a full migration is completed, incremental migration will be performed according to the parameters set by the user, such as every 24 hours.
- When the source is IDC, if using public network migration, select **public network** from the **Migrate network**.

Advanced Configuration
✕

Migrate Network

Basic Info

Source File Storage ID/Name Example_FileStorage_1

Migration path *
Enter the to-be-migrated Cloud File Storage (CFS) directory (including the mount server's path), for example: server mount directory/CFS directory/test

Source - end mounted server address *
The server must be Linux; **public network IP and port**, for example: 10.2.7.12:22

Username of the source - side mounting server *

Password for the source - side mounted server *

Migration Target Configuration

Target-End CFS ID/Name cfs-46oekh5p
1

Target path to be migrated.

Specify Directory *
 create directory
After checking the box to create a directory, if the directory exists, it will be migrated directly. If it does not exist, it will be automatically created and then migrated

Whether To Overwrite * Do not overwrite overwrite Conditional Coverage

Migration plug-in cluster. * [+ Create Cluster](#)

Whether to enable incremental * Enable incremental

- **Migration Path:** Enter the storage path of the source files to be migrated.
- **Source-end mounted server address:** Enter the server address where the source file storage is mounted.
- **Username of the source-side mounting server:** Enter the username of the source mount server (the source server requires setting username and password as the login method).
- **Password for the source-side mounted server:** Enter the password of the source mount server.
- **Target path to be migrated:** Select root directory or specified directory. The specified directory is the path of the source file storage, excluding the server mount path.
- **Whether To Overwrite:** You can choose to overwrite, not overwrite, or selectively overwrite.

Note:

Condition coverage refers to files where the source file last modification time is later than the target last modification time.

- **Migration plug-in cluster:** Select an online and idle migration cluster. If needed, create a new migration cluster. Please refer to [cluster management](#).
 - **Select mount node IP:** Select the cluster node where the source file storage is mounted.
 - **Whether to enable incremental:** Once enabled, after a full migration is completed, incremental migration will be performed according to the parameters set by the user, such as every 24 hours
7. After configuring the task parameters, click **OK** to complete.
 8. Select the file storage to be migrated, and click **Start Migration Task** to initiate file storage migration tasks individually or in batches.

Object Storage Migration

Last updated: 2025-05-27 10:49:32

Prerequisites

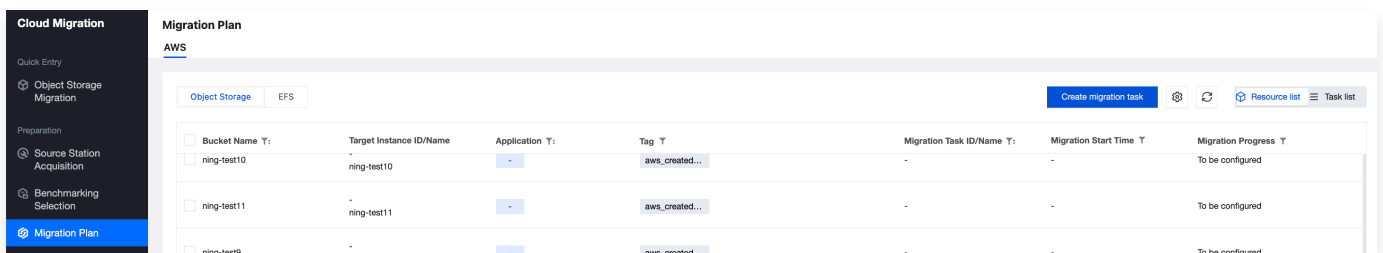
You need to complete [Source Station Acquisition](#) and [Benchmarking And Selection](#).

Support Scope

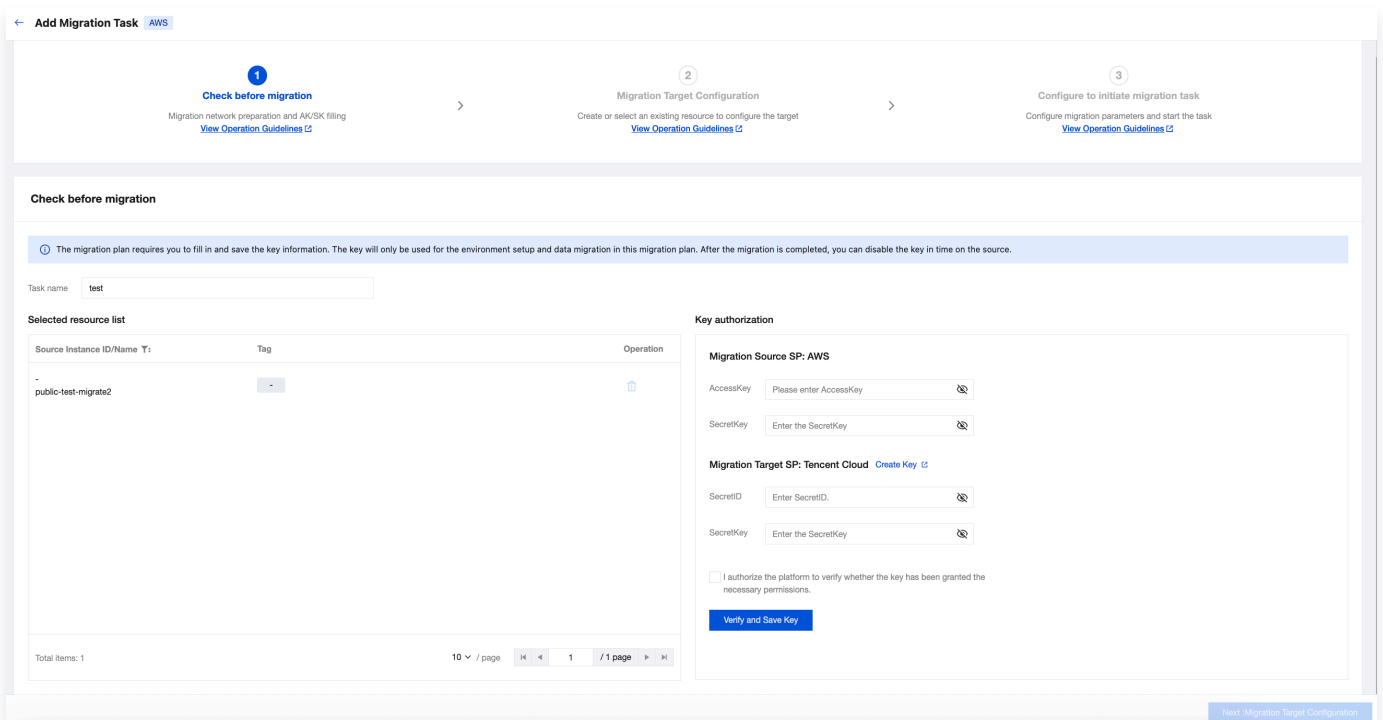
Currently, cloud migration provides migration support for batch migrating Cloud Object Storage (COS) with AWS as the source.

Operation Steps

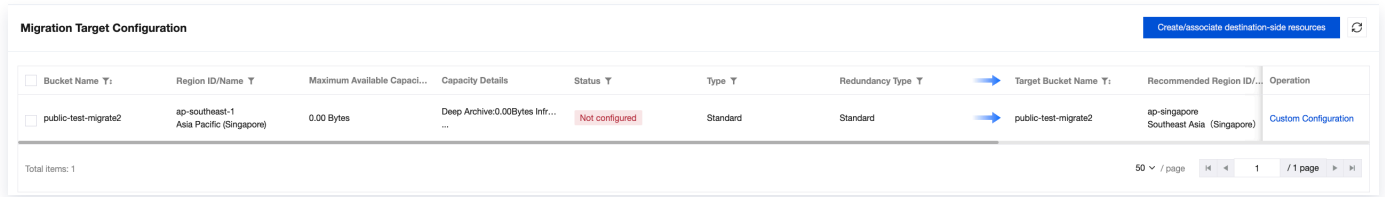
1. Enter [Cloud Migration > Preparation > Migration Plan](#) > AWS tab, select the **Cloud Object Storage** to be migrated, and click **Create migration task**.



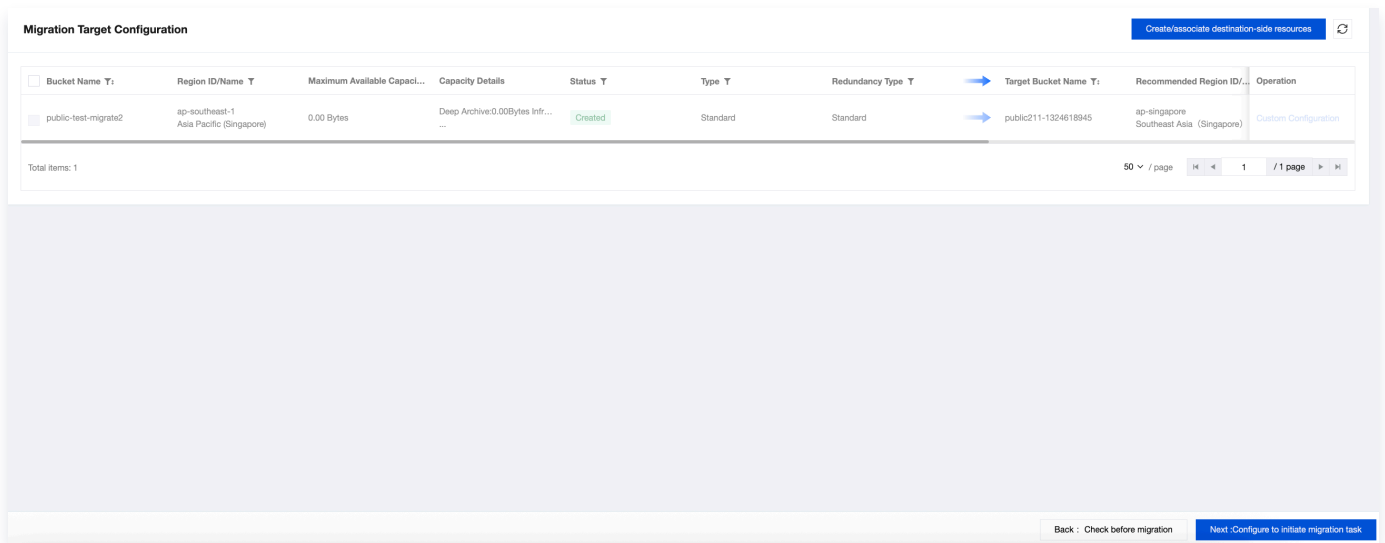
2. Step 1 is **Check before migration**. Input the migration **Task name**. Fill in the **AWS** and **Tencent Cloud** key information respectively. Then click **Verify and save key**.



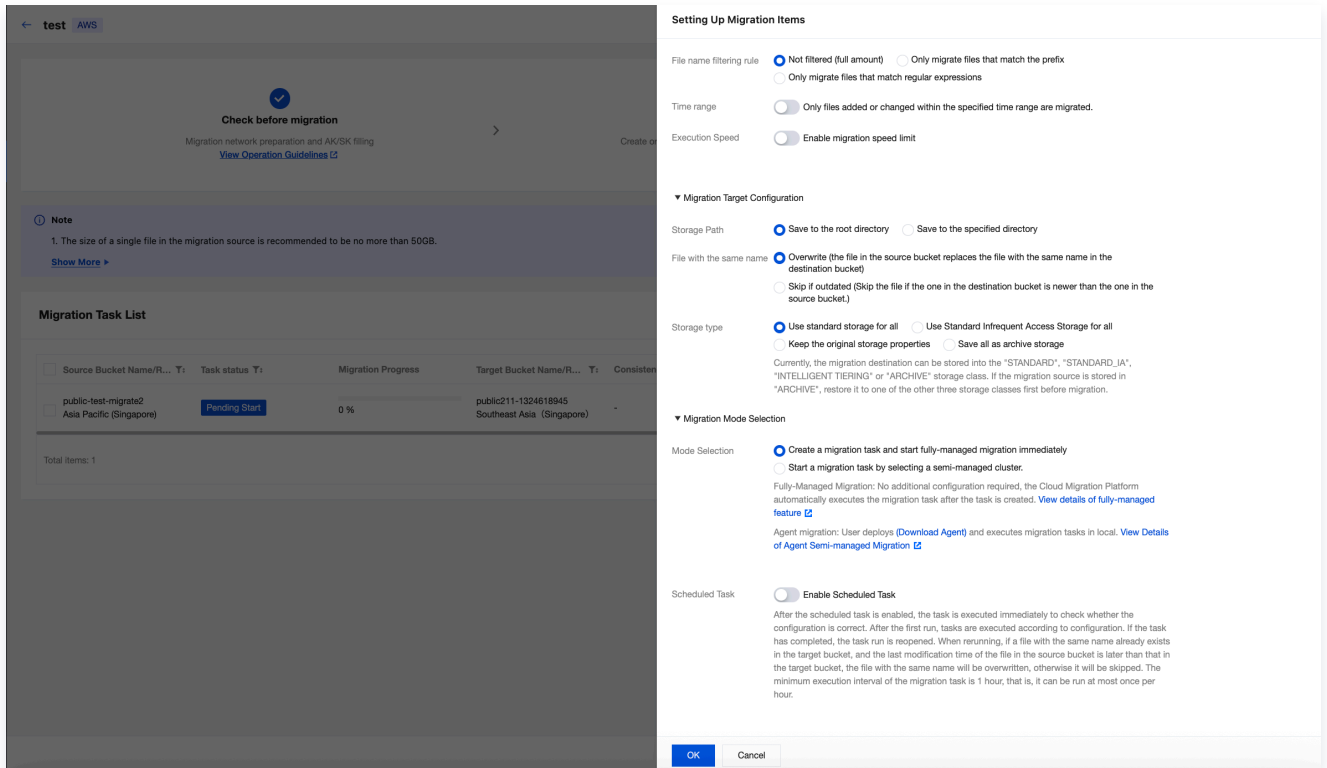
3. After the key verification passes, click **Next:Migration Target Configuration**.
4. Click **Custom Configuration** in the operation column of the resources to be migrated. In the custom configuration, you can choose **Created by recommended resources** or select to migrate to **existing resources**, and then click **Submit**.



5. Check the resources to be migrated, click **Create/associate destination-side resources**, click **Confirm** in the pop-up to complete the association or creation of the target bucket for migration, and then click **Next:Configure** to initiate migration task.

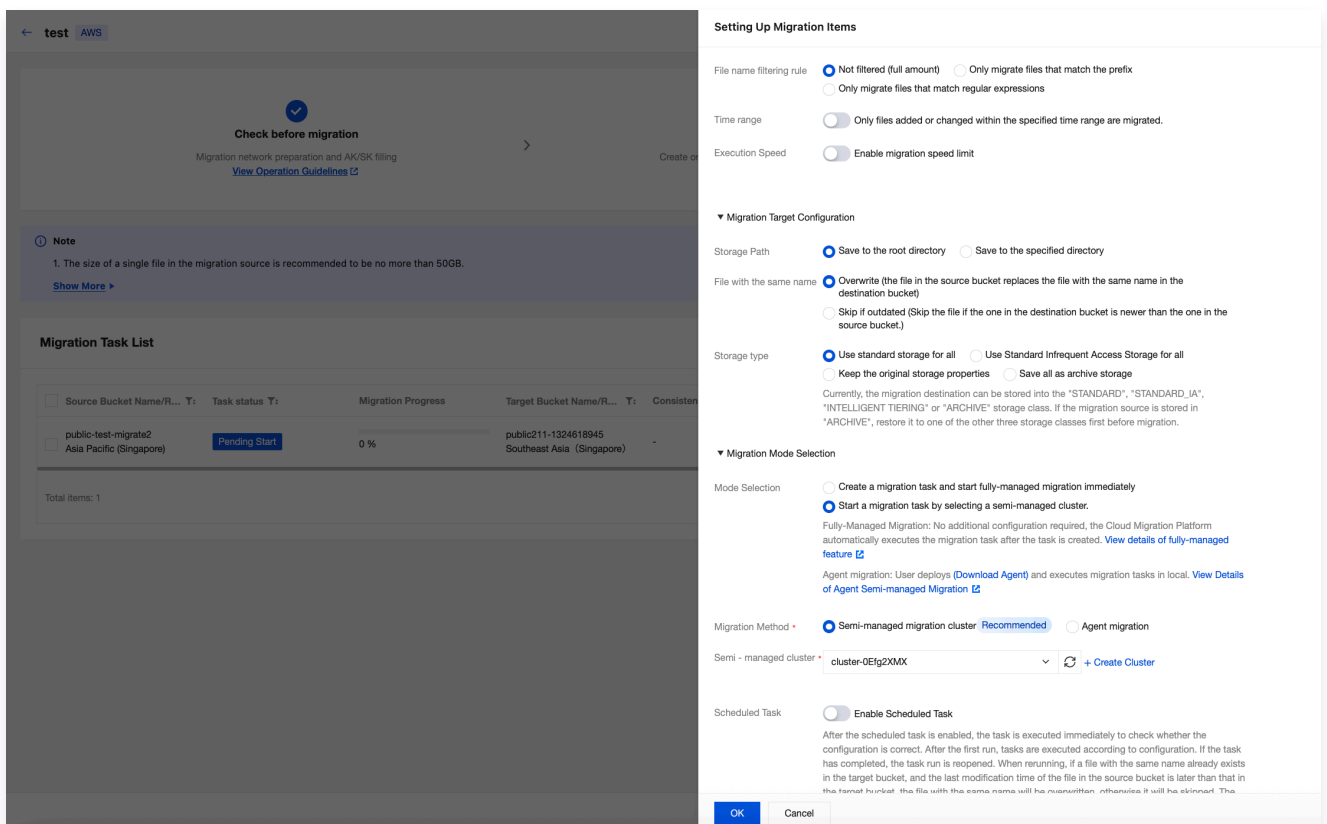


6. Check the COS bucket to be migrated and click **Advanced Configuration**.
 - 6.1 If it is a public network migration, select **Create a migration task and start fully-managed migration immediately** in **Mode Selection**, keep other parameters as default, and then click **OK**.



6.2 If it is a private network migration, select **Start a migration task by selecting a semi-managed cluster** in **Mode Selection**, select an available migration cluster in **Semi-managed migration cluster**, keep other parameters as default, and then click **OK**.

To create a new cluster, see [High-Performance Migration Cluster](#).



7. Check the COS bucket to be migrated and click **Start Migration Task**. You can start COS migration tasks individually or in batches.

High-Performance Migration Cluster

Last updated: 2025-04-24 14:08:18

This document mainly introduces the high-performance cluster migration feature. The high-performance cluster migration mainly implements the automatic deployment of various migration plug-ins. After the high-performance migration cluster is created, it can be associated and referenced in the corresponding migration task configuration. For example: For the COS semi-managed migration plug-in, you can select this high-performance migration cluster in the COS semi-managed migration configuration.

Prerequisites

- Obtained Tencent Cloud AccessKey and SecretKey. Please see [Access Key](#) for retrieval.
- Obtained VPC and subnet information. Please see [View VPC](#) and [View Subnet](#) for retrieval.

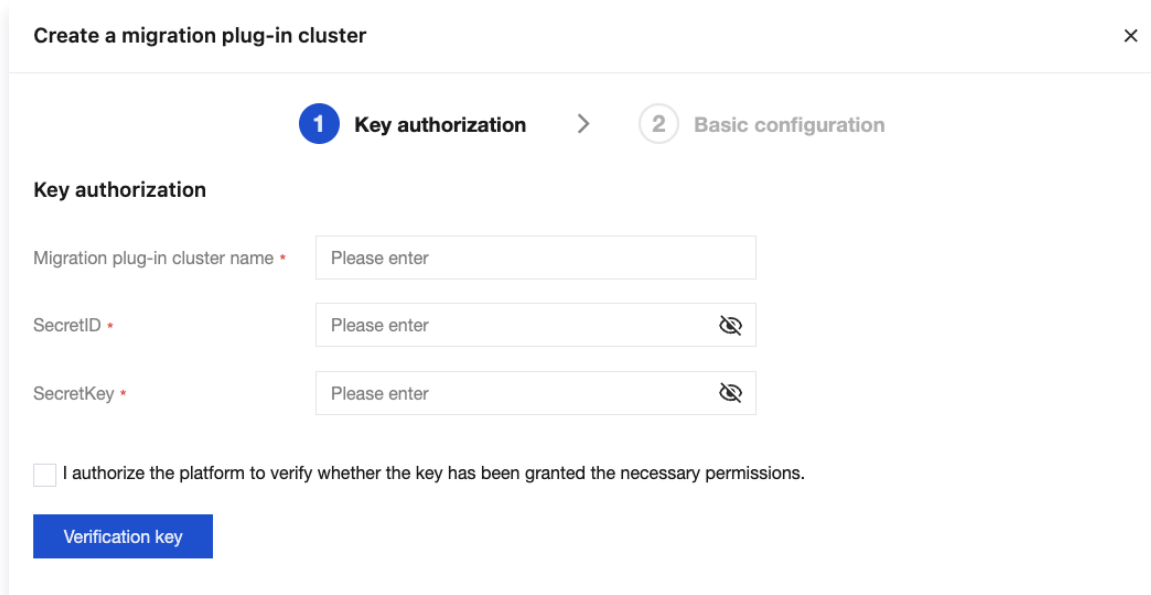
Operation Steps

1. Enter [Cloud Migration > Migration Cluster](#) menu to view the list of high-performance migration clusters.
2. Click **Create Cluster**, input **Migration plug-in cluster name**, **SecretID** and **SecretKey**. Check the license authorization, and then click **Verification Key**.

After the key passes verification, you can go to next step. If the key verification fails, it will prompt the lack of corresponding permissions. You need to authorize the corresponding user before verification.

Notes:

- Obtain an access key in Tencent Cloud: Create and obtain SecretId and SecretKey on the [API key management](#) page in the cloud access management console. For detailed operations, see [access key](#).
- If you use a sub-account key, you need to log in to the [CAM Console](#) with the root account and grant corresponding permissions to the sub-account.



The screenshot shows a dialog box titled "Create a migration plug-in cluster" with a close button (X) in the top right corner. The dialog is divided into two steps: "1 Key authorization" (active) and "2 Basic configuration". Under "Key authorization", there are three input fields: "Migration plug-in cluster name", "SecretID", and "SecretKey", each with a "Please enter" placeholder and a red asterisk. The "SecretID" and "SecretKey" fields have eye icons for toggling visibility. Below the fields is a checkbox labeled "I authorize the platform to verify whether the key has been granted the necessary permissions." and a blue button labeled "Verification key".

3. Click **Next** to perform the migration plug-in cluster network configuration.

The CVM of the migration cluster is set to the system default recommended configuration. Configuration changes are not allowed at this stage. Subsequently, after the cluster is successfully created, configuration adjustments can be made in the [CVM console](#). The CVM billing for the migration plug-in cluster can be viewed through [CVM pricing](#).

After selecting the **Region** and **Zone** for the migration plug-in cluster deployment, select the corresponding **VPC ID/Name** and **Subnet ID/Name** (for the migration network), and click **OK** to start the automatic deployment and configuration of the migration plug-in cluster (the configuration process is estimated to take about 1 minute).

Create a migration plug-in cluster ×

✓ Key authorization > 2 Basic configuration

Basic configuration

Master node CVM specification [View billing rules](#)

| | | | |
|-------------------------|------------------------|--|-------------------------|
| Recommended Models | Standard S5 S5.MEDIUM2 | Recommended CPU Cores | 4 |
| Recommended Memory (GB) | 8 | Recommended System Disk Type and Size (GB) | 50GB Premium Cloud Disk |

Master node CVM quantity 1

Worker node CVM specification

| | | | |
|-------------------------|------------------------|--|-------------------------|
| Recommended Models | Standard S5 S5.MEDIUM2 | Recommended CPU Cores | 4 |
| Recommended Memory (GB) | 8 | Recommended System Disk Type and Size (GB) | 50GB Premium Cloud Disk |

Number of Worker node CVMs 1

Region * ▼ ↻

Zone * ▼

VPC ID/Name * ▼ ↻

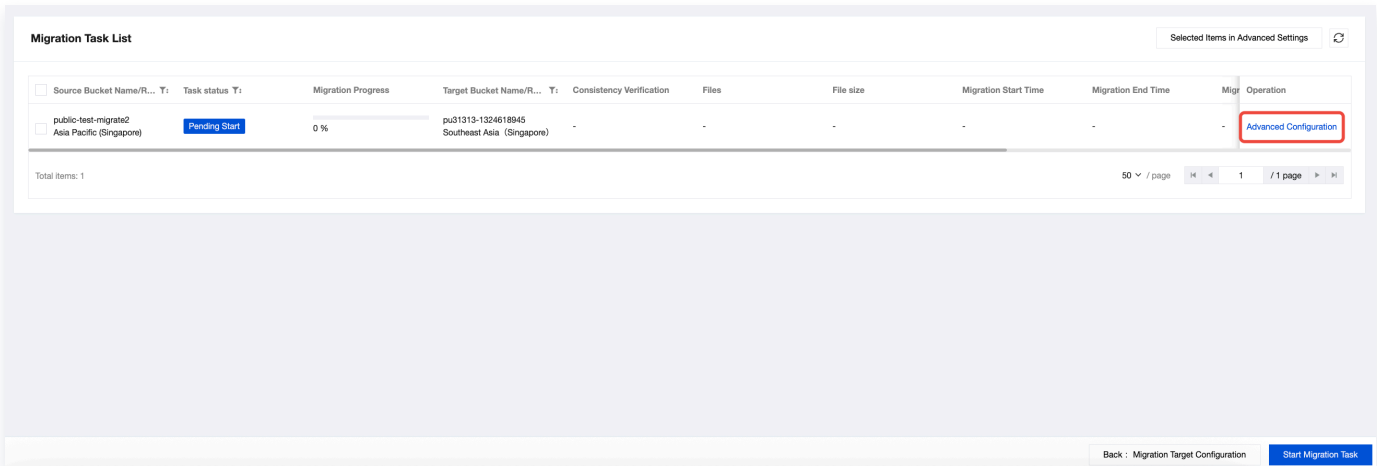
Subnet ID/Name * ▼ ↻

Migration Network Mode * Private Network

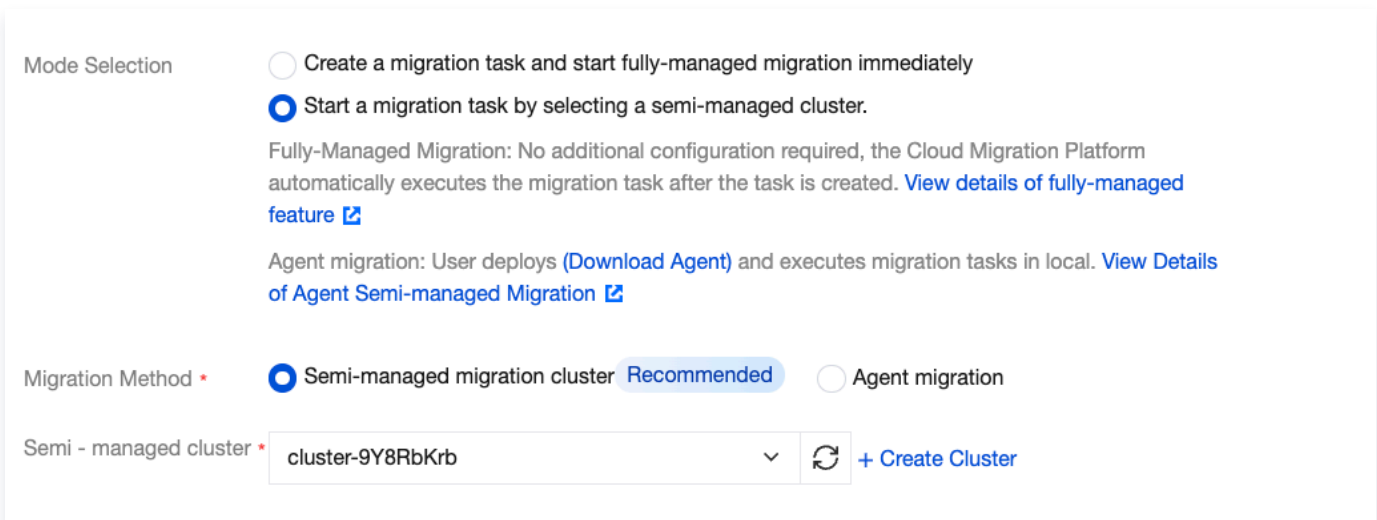
Migration plug-in type **COS semi-managed migration plug-in**

BackOK

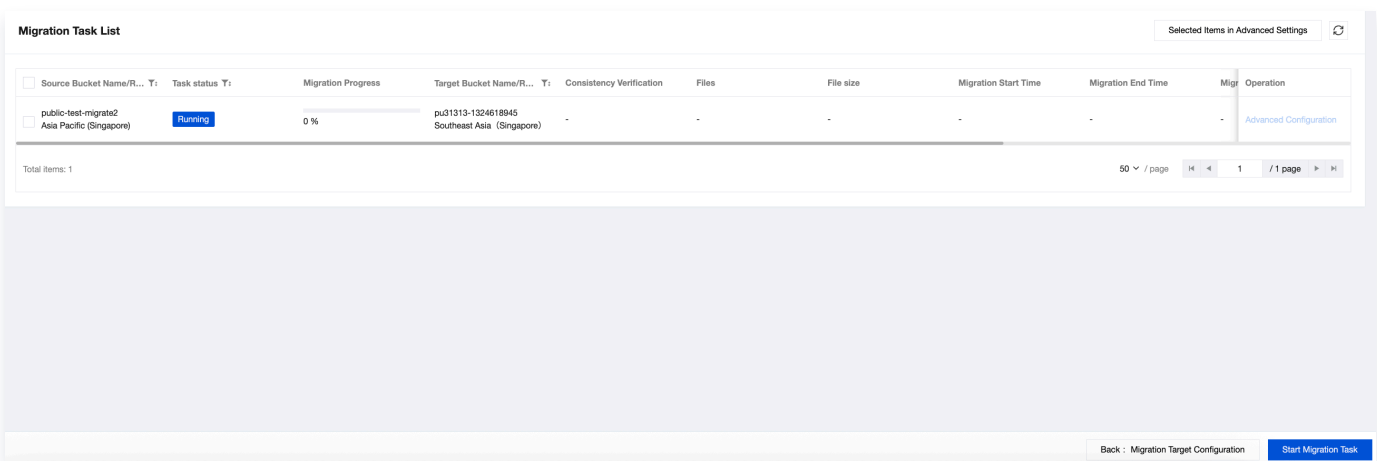
- The application of the migration plug-in cluster. For Cloud Object Storage batch migration, you can check the operation guide [Batch migration of Cloud Object Storage](#). Select the task to be started in the task list and click **Advanced configuration**.



- Select the migration mode as **Initiate migration task by selecting a semi-managed cluster**, select **Semi-managed migration cluster** as the **Migration method**, select an online migration plug-in cluster from the dropdown list of **Semi-managed clusters**, and click **Confirm**.



- Check the COS buckets to be migrated, and then click **Start Migration Task** in the bottom-right corner to initiate the "semi-managed COS migration task performed by the migration plug-in cluster".



Server Migration

Last updated: 2025-08-04 16:58:13

Prerequisites

You need to complete [origin server collection](#) and [benchmark selection](#).

Supported Range

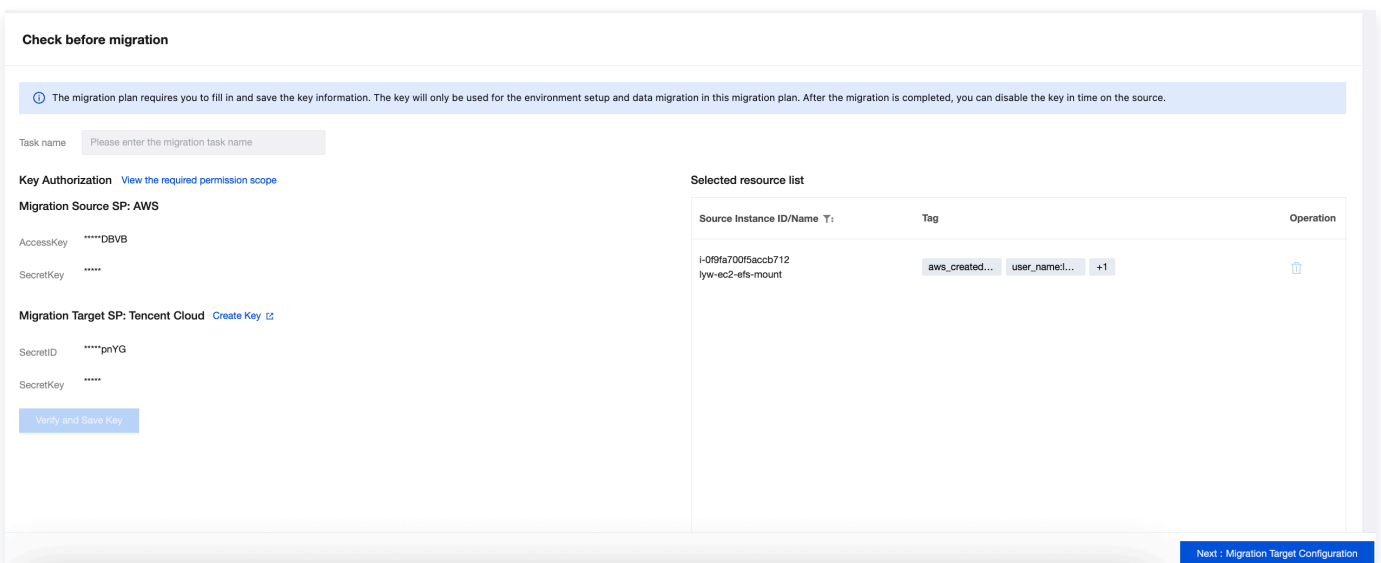
Currently, cloud migration supports batch migration of servers from AWS and IDC.

Operation Steps

1. Enter [Cloud Migration > Preparation > Migration Plan](#) > AWS or IDC tab on the server, select the CVM to migrate, and click **Create migration task**.

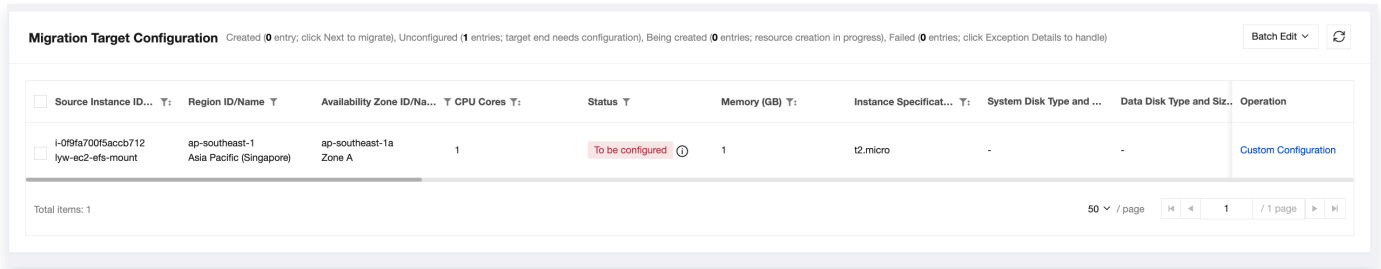


2. Step one is **check before migration**, manually input the migration **task name**, fill in the **AWS** and **Tencent Cloud** key information, then click **Verify and Save Key**.

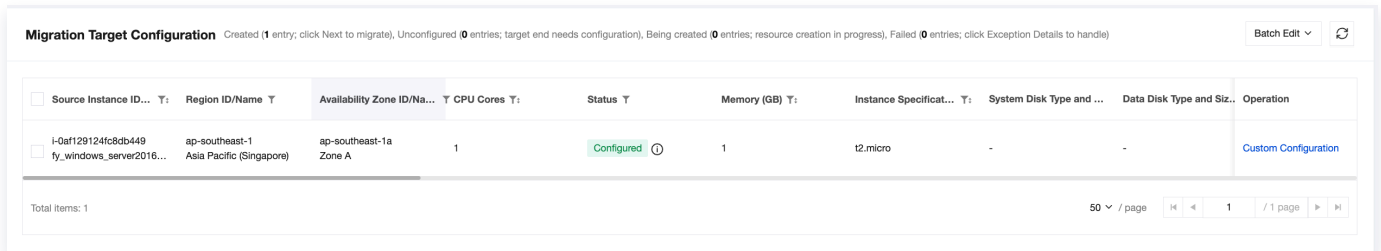


3. After the key verification passes, click **Next: Migration Target Configuration**.
4. In the operation list of the resources to be migrated, click **Custom Configuration**. In the custom configuration, choose **Created by recommended resources** or select **existing resources** to migrate to,

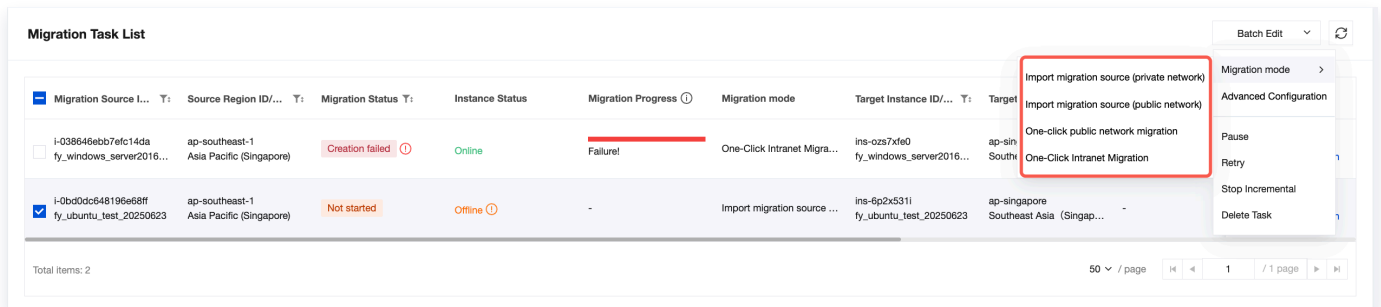
then click **Submit**.



5. Select the resources to migrate, click **Create/associate destination-side resources**, then click **Confirm** in the pop-up to complete the target instance creation or association, and click **Next:Configure to initiate migration task**.



6. Select the servers to migrate, click **Batch Edit**, choose appropriate migration mode.



- **One-click public network migration:** This mode is applicable to migration sources where the source server does not require migration agent installation and the migration network is a public network. AWS sources recommend this mode, while IDC cannot use it.
- **One-click Intranet Migration:** This mode is applicable to migration sources where the source server does not require migration agent installation and the migration network is a private network. AWS sources recommend this mode, while IDC cannot use it.
- **Import migration source (public network):** Applies to migration sources where the source server needs migration agent installation and the migration network is a public network. IDC uses this mode.
- **Import migration source (private network):** Applies to migration sources where the source server needs migration agent installation and the migration network is a private network. IDC uses this mode.

7. Select the servers to migrate, click **Start Migration Task** to launch server migration tasks individually or in batch.