Tag Management Service

Best Practices

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1 Quickly Categorizing and Querying Resources Using Tags

1.1 Scenario Introduction

This document is written based on HUAWEI CLOUD Tag Management Service (TMS) practices. An example is given to help you quickly classify a large number of cloud resources and query the target resources.

A company has purchased a batch of public cloud resources, including Elastic Cloud Servers (ECSs) and Elastic Volume Service (EVS) disks. It wants to

- Categorize resources by department and type.
- Find the frequently used general-computing ECSs that are located in the **CN North Beijing4** region and belong to the O&M department.
- Quickly and accurately tag a batch of ECSs that are migrated to HUAWEI CLOUD.

Although each service console supports tags, you need to switch the service consoles and regions to tag resources, which is inefficient and cannot meet the company's requirements.

TMS provides the cross-service and cross-region tag search function and supports visualized tag editing and batch tag management, addressing the resource management difficulties.

1.2 Adding Tags to ECSs by Department and Type

On the TMS console, you can implement custom classification of cloud resources by tagging them. Take the 15 ECSs in the **CN North-Beijing4** region as an example. Add the following two groups of tags to them.

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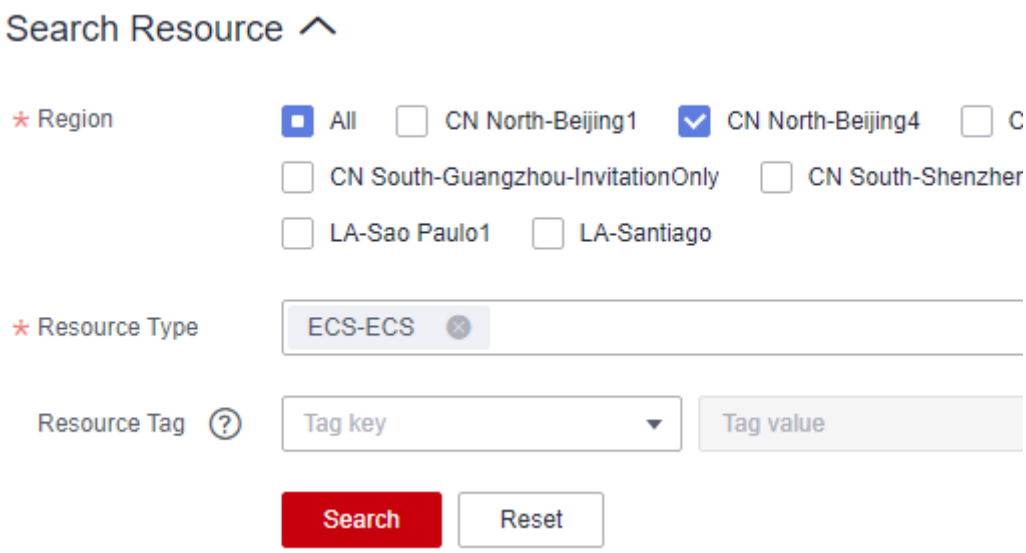
Table 1-1 ECS example tags

ECS Quantity	Tag (Key/Value)	
1 to 5	Type/Computing-accelerated	Department/ Development-Dept
6 to 10	Type/Memory-intensive	Department/ Operation_and_maintenance-Dept
11 to 15	Type/General-computing	Department/Test-Dept

1. Log in to the management console.
2. Under **Management & Governance**, select **Tag Management Service**.
3. Choose **Resource Tags**.
4. Specify the resource search criteria.
   - Set **Region** to **CN North-Beijing4**.
   - Set **Resource Type** to **ECS-ECS**.
5. Click **Search**.
   15 ECSs in the **CN North-Beijing4** region are displayed in the **Search Result** area.

   Figure 1-1 Search Resource



6. Select five computing-accelerated ECSs.
7. Click **Manage Tag** in the upper left corner of the tag list.
8. In the **Add Tag** area, enter tag keys and tag values.
   Add tags based on **Table 1-1**.
9. Click **OK**.
   The tags are added. Tag other 10 ECSs in the same way.

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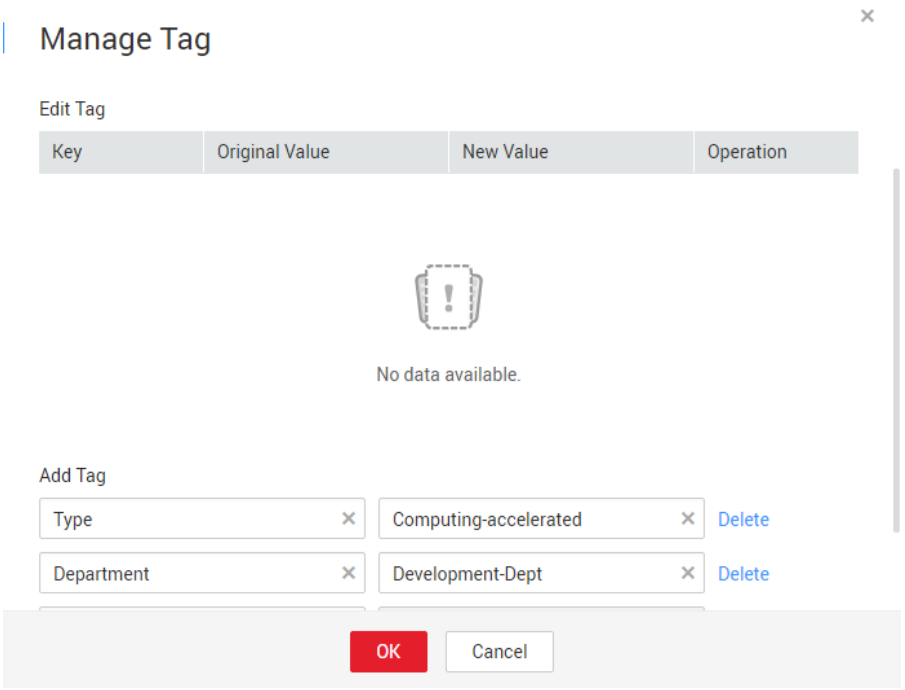
Figure 1-2 Manage Tag



You can repeat the preceding steps to add department or other tags to resources like EVS disks to classify them. **Table 1-2** lists the EVS disk tags.

Table 1-2 EVS example tags

EVS Disk Quantity	Tag (Key/Value)	
1 to 5	Type/Ultra-high I/O EVS Disks	Department/ Development-Dept
6 to 10	Type/High I/O EVS Disks	Department/Test-Dept
11 to 15	Type/Common I/O EVS Disks	Department/ Operation_and_maintenance-Dept

1.3 Quickly Querying Resources Using Existing Tags

After tagging resources, you can use the TMS resource search function to quickly find out that the frequently used ECS type under department **Test-Dept** and in the **CN North-Beijing4** region is the general-computing ECS.

1. Log in to the management console.
2. Under **Management & Governance**, select **Tag Management Service**.
3. Choose **Resource Tags**.
4. Specify the resource search criteria.
   - Set **Region** to **CN North-Beijing4**.

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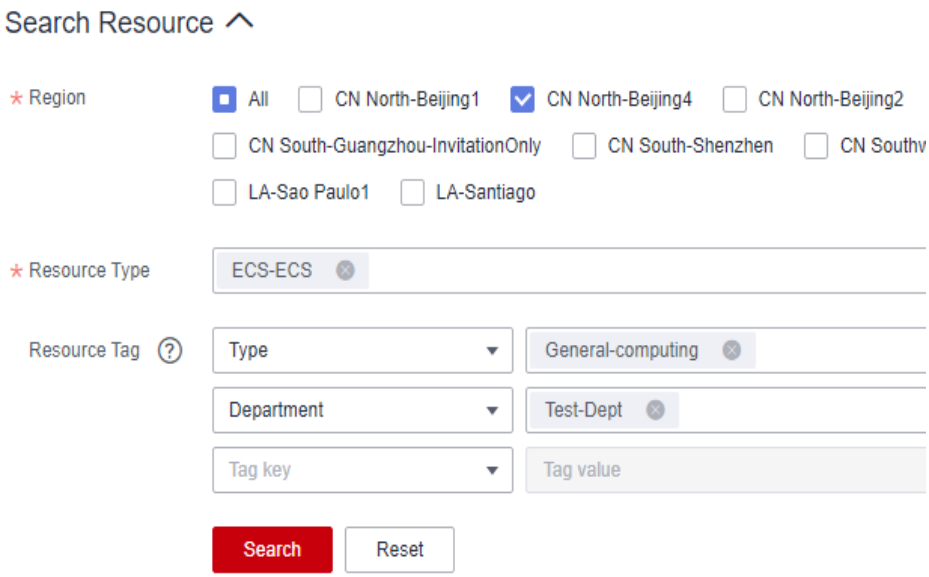
- Set **Resource Type** to **ECS-ECS**.
- Set **Tag** to **Type/General-computing** and **Department/Test-Dept**.

Figure 1-3 Search Resource



5. Click **Search**.

   General-computing ECSs under department **Test-Dept** in the **CN North-Beijing4** region are displayed in the **Search Result** area.

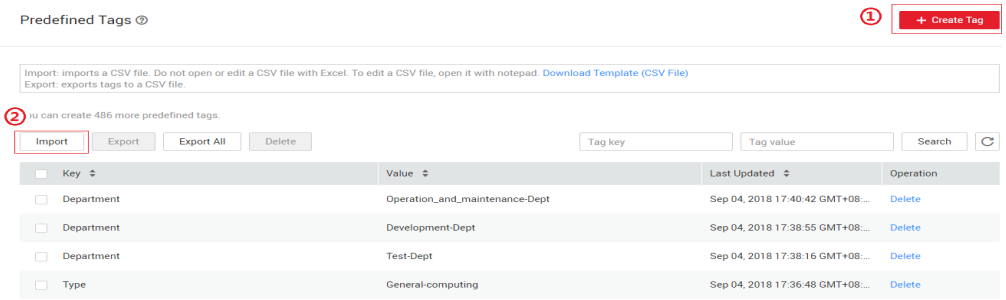
   After a resource is queried, it is displayed in the search result. You can click the resource name to view its details or perform other operations.

1.4 Quickly Marking Cloud Resources Using Predefined Tags

When more cloud resources need to be created during resource migration or service expansion, resources can be directly associated with predefined tags. This avoids the errors and low efficiency in repeated creation of tags.

A batch of ECSs is to be migrated to HUAWEI CLOUD. After the migration is complete, you can use either of the following methods to quickly and accurately add the tags mentioned in **Adding Tags to ECSs by Department and Type** to those resources.

Figure 1-4 Creating or importing predefined tags



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- Create predefined tags.
  a. Log in to the management console.
  b. Under **Management & Governance**, select **Tag Management Service**.
  c. Choose **Predefined Tags**.
  d. Click **Create Tag**.
  e. In the **Create Tag** area, enter tag keys and tag values. You can add tags based on **Table 1-1**.
  f. Click **OK**.
- Import predefined tags.
  a. Log in to the management console.
  b. Under **Management & Governance**, select **Tag Management Service**.
  c. Choose **Predefined Tags**.
  d. Click **Import** and select the target tag file.
  e. Click **OK**.
  The predefined tags are imported.

  NOTE

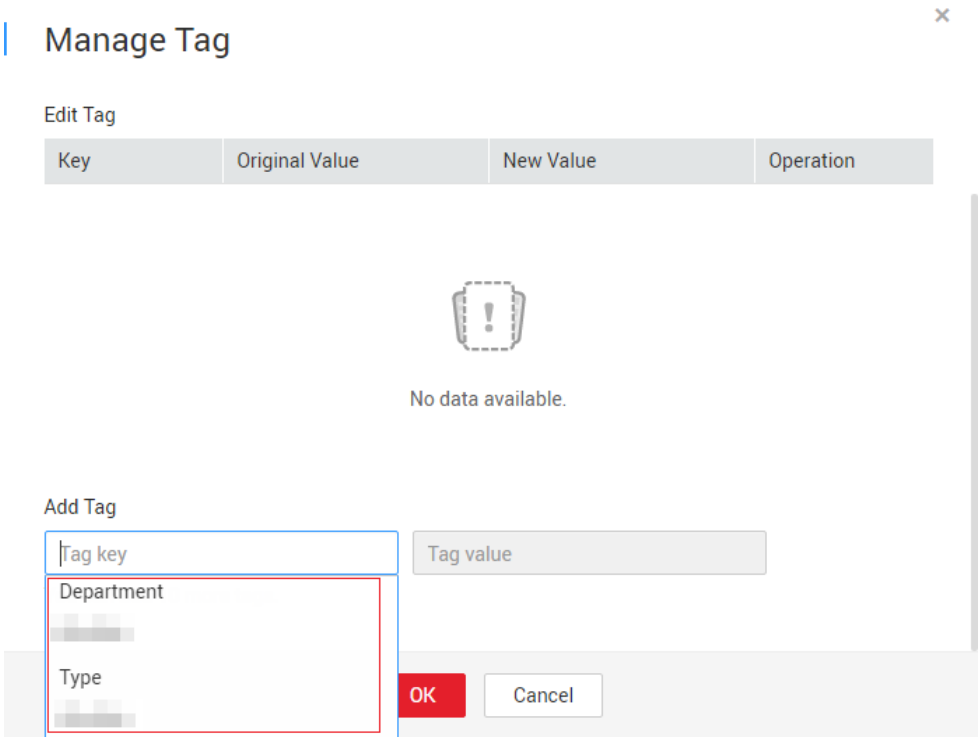
  This function only supports CSV files in UTF-8 format. The tag style in the file must be the same as that in the TMS import template.

The created or imported predefined tags are displayed in the predefined tag list.

You can add predefined tags to the newly migrated ECSs on either the TMS or ECS console.

- TMS console

Figure 1-5 Adding tags on the TMS console



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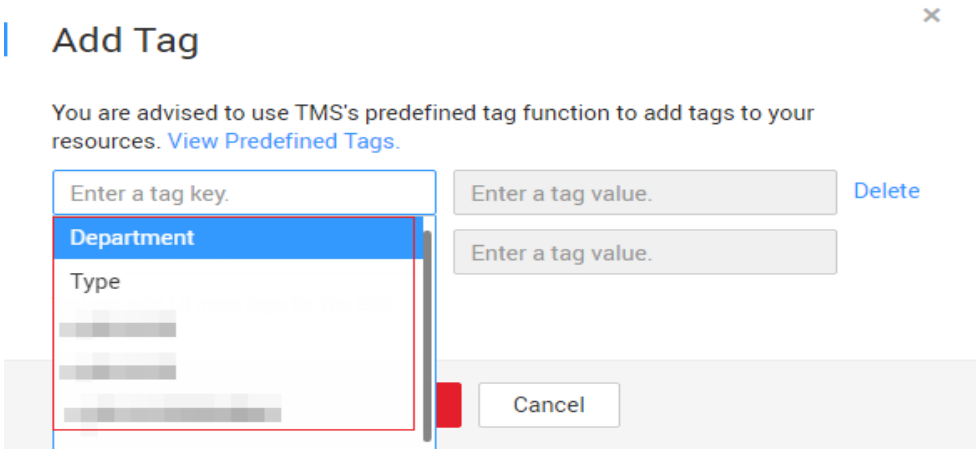
- ECS console

Figure 1-6 Adding tags on the ECS console



When tagging the newly migrated ECSs on the TMS or ECS console, you can select predefined tags from the drop-down list to associate them with resources. This avoids the errors and low efficiency caused by manual input. After a resource is associated with a predefined tag, the resource can be quickly queried by tag. For details, see section **Quickly Querying Resources Using Existing Tags**.

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