

Alibaba Cloud

Resource Management Quick Start

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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. Overview

Resource Management allows you to build an organizational structure for resources based on your business requirements. You can use resource directories, resource groups, or tags to hierarchically organize and manage your cloud resources.

Prerequisites

An Alibaba Cloud account is created. To create an Alibaba Cloud account, click [here](#).

Use a resource directory

Enable a resource directory

You can build an organizational structure for all your accounts and resources.

- [Enable a resource directory](#)

Create a folder

You can use folders to build an organizational structure for resources.

- [Create a folder](#)

Create a member account

Member accounts are used as containers for resources in a resource directory.

- [Create a member account](#)

Use resource groups

Create a resource group

Resource groups enable resource management by department or project.

- [Create a resource group](#)

Add resources to a resource group

Add cloud resources to a resource group.

- [Add resources to a resource group](#)

Use tags

Create and bind tags

You can create tags for cloud resources and bind the tags to the cloud resources.

- [Create and bind tags](#)

2.Enable a resource directory

A resource directory allows you to manage all your accounts and resources in a centralized manner. After you enable a resource directory, you can build an organizational structure for all account members and resources. This resource directory is free of charge.

Prerequisites

The Alibaba Cloud account you use to enable a resource directory has passed enterprise real-name verification. An account that passed only individual real-name verification cannot be used to enable a resource directory.


Procedure

1. Log on to the [Resource Management console](#).
2. In the left-side navigation pane, choose **Resource Directory > Overview**.
3. On the page that appears, click **Enable Resource Directory**.
4. In the message that appears, click **OK**.

Result

After you enable the resource directory, the system automatically creates a **Root** folder and sets the current account as the master account. The master account has all administrative permissions on this resource directory.

In addition, the system automatically creates a service linked role named `AliyunServiceRoleForResourceDirectory`. This role is used to grant trusted access permissions on services that are integrated into the Resource Directory feature. For more information, see [Service linked role for Resource Directory](#).

 **Note** We recommend that you use the master account only as the administrator of the resource directory. Do not use the master account to purchase cloud resources.

3. Create a folder


A folder is an organizational unit in a resource directory. You can use folders to build an organizational structure for resources.

Context

You can create child folders under a folder. A maximum of five levels of folders are supported under the Root folder.

Procedure

1. Log on to the [Resource Management console](#).
2. In the left-side navigation pane, choose **Resource Directory > Overview**.
3. In the **Root** section, click **Create Folder**.
4. In the Create Folder pane, specify **Folder Name**.

 **Note** The folder name must be unique in the current resource directory.

5. Click **OK**.

What's next


You can create member accounts in folders and manage the member accounts. For more information, see [Create a member account](#).

4. Create a member account

Member accounts are containers for resources in a resource directory. These accounts isolate resources and serve as organizational units in the resource directory. You can create member accounts in folders and manage them in a centralized manner.

Context


- A resource directory supports two types of member accounts: resource accounts and cloud accounts.
 - Resource account: A resource account is used only as a resource container and fully depends on a resource directory. Such member accounts are secure and easy-to-create. We recommend that you use resource accounts in a resource directory.

 **Note** You cannot use a resource account as the root user to log on to the Alibaba Cloud Management Console. You must use the master account of your resource directory to log on to the Alibaba Cloud Management Console. Then, you can grant access permissions on resources under the resource account to RAM users or RAM roles. For more information, see [Access resources under a member account](#). In addition, you can upgrade resource accounts to cloud accounts. For more information, see [Upgrade a resource account to a cloud account](#).

- Cloud account: A cloud account has all the features of an Alibaba Cloud account.
- The number of member accounts that can be created is limited. For more information, see [Limits on resource directories](#).


Procedure

1. Log on to the [Resource Management console](#).
2. In the left-side navigation pane, choose **Resource Directory > Overview**.
3. In the navigation tree of the **Resource Directory** page, find the folder in which you want to create a member account and click the folder name.
4. In the section that appears, click **Create Member Account**.
5. On the Create Member Account page, enter a name in the **Member Account Name** field.

 **Note** The name must be unique in the resource directory.

6. Set **Member Account Type**.
 - **Resource (Recommended)**: If you select this option, you do not need to specify an email address. The system automatically generates an email address that ends with `@<ID of your resource directory>.rd.aliyunid.com`.
 - **Alibaba Cloud**: If you select this option, specify an email address. The system will send a confirmation email to the email address you specify to create the member account.


- Before confirmation: The account is in the **Confirming** state. In this case, you can use the master account to perform the **Send Confirmation Email Again** or **Cancel** operation.

 **Note** A confirmation email is valid for 24 hours. If another confirmation email is sent, the original one becomes invalid.


- After confirmation: The state of the account changes to **Joined**. In this case, the owner of the member account can obtain its account password or view the resource directory to which its account belongs based on instructions.

7. Set Settlement.

- **Master Account**: If you select this option, the master account of the resource directory is used as the settlement account.
- **Member Accounts**: If you select this option, another member account in the resource directory is used as the settlement account. In this case, you must click **Select Settlement Account** to select a member account.
- **Self-pay**: If you select this option, the member account that is being created is used as the settlement account.

 **Note** An account that does not have the payment capability cannot be selected. For more information about how to determine whether an account has the payment capability, see [Introduction to trusteeship](#).

8. Click OK.

 **Note** Member accounts created in a resource directory inherit the legal entity of the master account for the resource directory. This means that the real names of member accounts are the same as the real name of the master account.

Result

After member accounts are created in a resource directory, the system manages them in a centralized manner.

- The system automatically enables the RAM service for member accounts.
- The system automatically creates a RAM role named ResourceDirectoryAccountAccessRole for each member account and grants the role to the master account of the resource directory to facilitate centralized management of member accounts.
- Each member account belongs to only one folder. You can use the master account to move member accounts between folders in the resource directory as required. After a member account is moved from one folder to another, the resources under the member account are also moved to the new folder.

5. Create a resource group

You can create resource groups to manage cloud products or resources by department or project.

Prerequisites

You are an Alibaba Cloud account administrator or a RAM user with administrative permissions on resource groups.

Procedure

1. Log on to the [Resource Management console](#).
2. In the left-side navigation pane, click **Resource Group**.
3. On the Resource Group page, click **Create Resource Group**.
4. In the Create Resource Group pane that appears, set **Resource Group Name** and **Display Name**.
5. Click **OK**.

Result

After the preceding operations are complete, the resource group is in the **Creating** state. Wait for about three seconds and click the button. If the state of the resource group changes to **Available**, the creation of the resource group succeeded.


6. Create and bind a tag

This topic describes how to create and bind a tag to a cloud resource. If multiple resources that are associated with each other exist under your account, you can bind tags to these resources. This allows you to categorize the resources and manage them in a centralized manner.

Context

- For more information about the Alibaba Cloud services that support tags, see [Alibaba Cloud services that support tags](#).
- A maximum of 20 tags can be bound to each cloud resource. If the number of tags that are bound to a resource exceeds the upper limit, you must unbind some of the tags before you bind new tags.
- You can use one of the following methods to create and bind a tag to a cloud resource:
 - Perform operations in a console: You can create and bind a tag to a cloud resource on the Tags page of the Resource Management console or in the consoles of Alibaba Cloud services. This topic describes only how to create and bind a tag to a cloud resource on the Tags page of the Resource Management console. For more information about how to create and bind a tag in the consoles of Alibaba Cloud services, see the documentation of each Alibaba Cloud service.
 - Use API operations: You can call the TagResources operation of the Tag service or the tag creation and binding operation of an Alibaba Cloud service to create and bind a tag to a cloud resource. For more information about the TagResources operation of the Tag service, see [TagResources](#). For more information about the tag creation and binding operation of an Alibaba Cloud service, see the documentation of the service.
 - Use Operation Orchestration Service (OSS): You can use OSS to bind tags to multiple resources at a time. For more information, see [Use OSS to add tags to multiple resources](#).

Procedure

1. Log on to the [Resource Management console](#). The Tags page appears.
 2. In the **Region** section, select a region.
 3. Set **Tag Type** to **All Custom Tags**.
 4. Click **Create/Bind Tags**.
 5. In the **Create/Bind Tags** pane, create a tag or select an existing tag.
 - **Tag Key**: required. You can select an existing tag key or enter a new tag key. You can perform fuzzy search by prefix and bind a maximum of 10 tag keys at a time. Each tag key can contain a maximum of 128 characters and cannot contain `http://` or `https://`. It cannot start with `aliyun` or `acs:`.
 - **Tag Value**: optional. You can select an existing tag value or enter a new tag value. Each tag value can contain a maximum of 128 characters and cannot contain `http://` or `https://`. It cannot start with `aliyun` or `acs:`.
-  **Note** If you want to bind a tag, select an existing tag value. If you want to create a tag, enter a new tag value.
6. Click **Next**.
 7. Select the cloud resource to which you want to bind the tag and click **OK**.
 8. Click **Close**.

Result

On the Tags page, click the  icon.

Find the created or bound tag and click the tag value in the Tag Value column to view the resources to which the tag is bound.

Related information

- [TagResources](#)