

Alibaba Cloud Resource Management

Resource Group

Issue: 20200707









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Document conventions

| Style | Description | Example |
|---|---|--|
|  | 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. |
|  | 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. |
|  | 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. |
|  | 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. |
| Italic | Italic formatting is used for parameters and variables. | <code>bae log list --instanceid Instance_ID</code> |
| [] or [a b] | This format is used for an optional value, where only one item can be selected. | <code>ipconfig [-all -t]</code> |

| Style | Description | Example |
|--------------|--|-----------------------|
| { } or {a b} | This format is used for a required value, where only one item can be selected. | switch {active stand} |

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1 Manage resource groups

1.1 Create a resource group

This topic describes how to create a resource group. You can use resource groups to manage resources under your Alibaba Cloud account by department or project.

Prerequisites


Only Alibaba Cloud accounts or RAM users that are authorized to manage resource groups can perform this operation.

Procedure

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

Result

After the preceding steps are taken, the status of the resource group changes to **Creating....**

About three seconds later, click . If the status changes to **Available**, the resource group is created.

1.2 View basic information of a resource group

This topic describes how to view basic information of a resource group, including the resource group ID, resource group name, and resource group display name.


Procedure

1. Log on to the [Resource Management console](#).
2. In the left-side navigation pane, click **Resource Group**.
3. In the **Display Name** column, click the name of the resource group you want to query.
4. On the **Settings** tab, view basic information of the resource group in the **Basic Information** section.

1.3 Modify the name of a resource group

This topic describes how to modify the name of a resource group.

Procedure

1. Log on to the [Resource Management console](#).
2. In the left-side navigation pane, click **Resource Group**.
3. In the **Display Name** column, click the resource group whose name you want to modify.
4. In the **Basic Information** section of the **Settings** tab, click  next to the display name of the resource group.
5. Enter a new name for the resource group and click **OK**.

1.4 Delete a resource group

This topic describes how to delete a resource group.

Prerequisites

Before you delete a resource group, make sure that the following conditions are met:

- Only Alibaba Cloud accounts or RAM users that are authorized to manage resource groups can perform this operation.
- The resource group you want to delete is not the default resource group.
- A resource group can be deleted only when it does not contain any resources. Before you delete a resource group, transfer resources in the group to another one or release the resources. For more information, see [Transfer resources across resource groups](#).

Procedure

1. Log on to the [Resource Management console](#).
2. In the left-side navigation pane, click **Resource Group**.
3. In the **Display Name** column, click the name of the resource group you want to delete.
4. On the **Settings** tab, click **Delete**.
5. Click **OK**.



Note:

Once a resource group is deleted, it cannot be recovered. Exercise caution when performing this operation.

Result

After the preceding steps are taken, the system checks whether the resource group contains resources. This process takes 7 days. The resource group remains in the **Deleting...** state during this period.

1.5 Add RAM authorization

After you create resource groups, you can designate an administrator for each resource group. Resource group administrators can grant the operation permissions on the resource groups to other users.

Prerequisites

You are a cloud account administrator or a RAM user with administrative permissions on resource groups.

Context

Before you perform this task, make sure that you understand the relationship between resource group authorization and RAM.

- RAM offers permission management for resource group authorization.
- Resource group authorization uses all the policies in RAM. The policies include system policies and custom policies.
- Resource group authorization grants permissions to RAM users, RAM user groups, or RAM roles.
- The permissions granted by using RAM take effect on all resources under the relevant Alibaba Cloud account. The permissions granted by using resource group authorization only take effect on resources in a specific resource group.

Procedure

1. Log on to the [Resource Management console](#).
2. In the left-side navigation pane, click **Resource Group**.
3. On the page that appears, find the resource group for which you want to add RAM authorization and click **Manage Permission** in the **Actions** column.
4. Click **Grant Permission**.
5. Set **Principal**.
6. Select the policy you want to attach to the principal.

7. Click **OK**.

**Note:**

After the authorization is complete, the principal is granted the relevant permissions on the resources in the resource group.

1.6 Revoke RAM authorization

This topic describes how to revoke permissions from RAM users, user groups, or RAM roles.

Prerequisites

Only Alibaba Cloud accounts or RAM users that are authorized to manage resource groups can perform this operation.

Procedure

1. Log on to the [Resource Management console](#).
2. In the left-side navigation pane, click **Resource Group**.
3. In the resource group list, find the target resource group and click **Manage Permission** in the **Actions** column.
4. On the Permissions tab, select the permission you want to revoke and click **Revoke Authorization** in the **Actions** column.
5. Click **OK**.

**Note:**

You can select more than one permission at a time and click **Revoke Authorization** in the lower part of the page to batch revoke permissions.

Result

After the permission is revoked, RAM users, user groups, or RAM roles do not have the operation permission on resources in the resource group.

2 Manage resources

2.1 Add resources to a resource group

After creating a resource group, you can purchase resources for the resource group at the Alibaba Cloud official website or by using the Resource Management console or consoles of other Alibaba Cloud services. You must select a resource group when purchasing resources. This topic describes how to purchase resources on the Resource Group page of the Resource Management console.

Prerequisites

Only Alibaba Cloud accounts or RAM users that are authorized to manage resource groups can perform this operation.

Procedure

1. Log on to the [Resource Management console](#).
2. In the left-side navigation pane, click **Resource Group**.
3. Find the resource group for which you want to add resources and click **Manage Resource** in the **Actions** column.
4. Click **Purchase** and select the resource group when you purchase resources.

After the resource is purchased, it belongs to the selected resource group.

2.2 Transfer resources across resource groups

When the ownership of resources changes, you can transfer resources across resource groups to re-adjust the ownership of the resources.

Prerequisites

Only Alibaba Cloud accounts or RAM users that are authorized to manage resource groups can perform this operation.

Transfer resources from the current resource group

To transfer resources from the current resource group to another resource group, follow these steps:

1. Log on to the [Resource Management console](#).
2. In the left-side navigation pane, click **Resource Group**.

3. Find the resource group from which you want to transfer resources and click **Manage Resource** in the **Actions** column.
4. Select the resource you want to transfer out, and click **Transfer Out** in the lower part of the page.

**Note:**

You can only select a resource group that you are authorized to manage.

5. Select the target resource group to which you want to transfer the resource.
6. Click **OK**.

Transfer resources to the current resource group

To transfer resources from a resource group to the current resource group, follow these steps:

1. Log on to the [Resource Management console](#).
2. In the left-side navigation pane, click **Resource Group**.
3. Find the resource group to which you want to transfer resources and click **Manage Resource** in the **Actions** column.
4. In the upper part of the resource list, click **Transfer In**.
5. Select a resource group from which you want to transfer resources and select resources you want to transfer to the current resource group.

You can filter resources by **Region**, **Resource Type**, or by entering an **Instance ID**.

**Note:**

You can only select a resource group that you are authorized to manage.

6. Click **OK**.

2.3 Manage resources by using resource groups

After obtaining resource group management permissions, you can manage resources in a resource group and their ownership by using the Resource Management console or consoles of other Alibaba Cloud services that support resource groups.

Prerequisites

Only Alibaba Cloud accounts or RAM users that are authorized to manage resource groups can perform this operation.

Manage resources in the Resource Management console

1. Log on to the [Resource Management console](#).
2. In the left-side navigation pane, click **Resource Group**.
3. Find the resource group whose resources you want to manage and click **Manage Resource** in the **Actions** column.
4. Find the resource you want to manage. In the **Actions** column, click **Manage** to redirect to the resource details page for more operations.

**Note:**

If the resource list contains multiple resources, you can filter resources by **Product Type** and **Region**.

Manage resources in the console of other Alibaba Cloud services

1. Log on to the console of an Alibaba Cloud service whose resources you want to manage. For more information, see [#unique_14](#).
2. In the top navigation bar of the instance page, select the resource group you want to manage.

**Note:**

You can only select a resource group that you are authorized to manage. After you select a resource group, all resources in the resource group are displayed in the resource list.

3. Use the filter function to filter resources.
For example, when you need to associate an Elastic IP address (EIP), you can use the filter function to search for ECS instances that require EIPs in a resource group.