

Alibaba Cloud

Resource Access Management
RAM User Group Management

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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 of a RAM user group

A user group is a physical identity that contains multiple RAM users. You can create RAM user groups to classify and authorize RAM users. This simplifies the management of RAM users and permissions.

Scenarios

- If the permissions of a RAM user change, you need only to move the RAM user to a RAM user group with the required permissions. This does not affect other RAM users.
- If the permissions of a RAM user group change, you need only to modify the policies that are attached to the group. The changes to the policies apply to all RAM users in the RAM user group.

Procedure

1. Log on to the [RAM console](#) by using an Alibaba Cloud account or a RAM user or a RAM role that has administrative rights.

2. Create a user group.

For more information, see [Create a user group](#).

3. Add RAM users to or remove RAM users from the user group.

For more information, see [Add a RAM user to a RAM user group](#) or [Remove a RAM user from a RAM user group](#).

4. Grant permissions to the RAM user group.

If you grant permissions to the RAM user group, all RAM users in the group have the permissions. For more information, see [Grant permissions to a RAM user group](#).

Limits

For more information, see [Limits](#).

2. Create a user group

This topic describes how to create a Resource Access Management (RAM) user group. If you have multiple RAM users that belong to your Alibaba Cloud account, you can create RAM user groups to classify and authorize the RAM users by group. This simplifies the management of RAM users and permissions.

Procedure

1. Log on to the [RAM console](#) by using your Alibaba Cloud account.
2. In the left-side navigation pane, choose **Identities > Groups**.
3. On the **Groups** page, click **Create Group**.
4. On the **Create Group** page, configure the **Group Name**, **Display Name**, and **Note** parameters.
5. Click **OK**.

What's next

You can attach one or more policies to the RAM user group. For more information, see [Grant permissions to a RAM user group](#).

Related information

- [CreateGroup](#)

3. Add a RAM user to a RAM user group

After a Resource Access Management (RAM) user is added to a RAM user group, the RAM user has the permissions of the group. This topic describes how to add a RAM user to a RAM user group. You can use one of the following methods to add a RAM user to a RAM user group:

Method 1: Add a RAM user to a user group on the Users page

1. Log on to the [RAM console](#) by using your Alibaba Cloud account.
2. In the left-side navigation pane, choose **Identities > Users**.
3. On the **Users** page, find the RAM user that you want to add to a RAM user group and click **Add to Group** in the **Actions** column.
4. In the **Add Group Members** panel, select a RAM user group to which you want to add the RAM user. The information about the RAM user is automatically filled in.
5. Click **OK**.
6. Click **Close**.

Method 2: Add a RAM user to a RAM user group on the Groups page

1. Log on to the [RAM console](#) by using your Alibaba Cloud account.
2. In the left-side navigation pane, choose **Identities > Groups**.
3. On the **Groups** page, find the RAM user group to which you want to add the RAM user and click **Add Group Members** in the **Actions** column.
4. In the **Add Group Members** panel, select the RAM user that you want to add to the RAM user group. The information about the RAM user group is automatically filled in.
5. Click **OK**.

Related information

- [AddUserToGroup](#)

4. Remove a RAM user from a RAM user group

This topic describes how to remove a Resource Access Management (RAM) user from a RAM user group. You can use one of the following methods to remove a RAM user from a RAM user group:

Method 1: Remove a RAM user from a RAM user group on the Users page

1. Log on to the [RAM console](#) by using your Alibaba Cloud account.
2. In the left-side navigation pane, choose **Identities > Users**.
3. On the **Users** page, click the username of a specific RAM user.
4. Click the **Groups** tab, find the RAM user group, and then click **Remove from Group** in the **Actions** column.
5. Click **OK**.

Method 2: Remove a RAM user from a RAM user group on the Groups page

1. Log on to the [RAM console](#) by using your Alibaba Cloud account.
2. In the left-side navigation pane, choose **Identities > Groups**.
3. On the **Groups** page, find the RAM user group and click its name.
4. Click the **Group Members** tab, find the RAM user, and then click **Remove from Group** in the **Actions** column.
5. Click **OK**.

Related information

- [RemoveUserFromGroup](#)

5. View the basic information about a RAM user group

This topic describes how to view the basic information, such as the group name, display name, and description, about a Resource Access Management (RAM) user group.

Procedure

1. Log on to the [RAM console](#) by using your Alibaba Cloud account.
2. In the left-side navigation pane, choose **Identities > Groups**.
3. On the **Groups** page, find the RAM user group and click its name.
4. In the **Group Basic Information** section, view the basic information about the RAM user group.

Related information

- [GetGroup](#)

6. Modify the basic information about a RAM user group

This topic describes how to modify the basic information, such as the group name, display name, and description, about a Resource Access Management (RAM) user group.

Procedure

1. Log on to the [RAM console](#) by using your Alibaba Cloud account.
2. In the left-side navigation pane, choose **Identities > Groups**.
3. On the **Groups** page, find the RAM user group and click its name.
4. In the **Group Basic Information** section, click **Modify Basic Information**.
5. In the **Modify Basic Information** panel, modify **Group Name**, **Display Name**, or **Note**.
6. Click **OK**.

Related information

- [UpdateGroup](#)

7. Grant permissions to a RAM user group

If you grant permissions to a RAM user group, all RAM users in the group have the permissions. This topic describes how to grant permissions to a RAM user group.

Method 1: Grant permissions to a RAM user group on the Groups page

1. Log on to the [RAM console](#) by using your Alibaba Cloud account.
2. In the left-side navigation pane, choose **Identities > Groups**.
3. On the **Groups** page, find the RAM user group to which you want to grant permissions and click **Add Permissions** in the **Actions** column.
4. In the **Add Permissions** panel, grant permissions to the RAM user group.
 - i. Select the authorization scope.
 - **Alibaba Cloud Account**: The authorization takes effect on the current Alibaba Cloud account.
 - **Specific Resource Group**: The authorization takes effect on a specific resource group.

 **Note** If you select **Specific Resource Group** for **Authorized Scope**, make sure that the required cloud service supports resource groups. For more information, see [Alibaba Cloud services that support resource groups](#).

- ii. Specify the principal.

The principal is the RAM user group to which permissions are granted. By default, the current RAM user group is specified. You can also specify a different RAM user group.

- iii. Select policies.

 **Note** You can attach a maximum of five policies to a RAM user group at a time. If you want to attach more policies to the RAM user group, repeat the operations based on your business requirements.

5. Click **OK**.
6. Click **Complete**.

Method 2: Grant permissions to a RAM user group on the Grants page

1. Log on to the [RAM console](#) by using your Alibaba Cloud account.
2. In the left-side navigation pane, choose **Permissions > Grants**.
3. On the **Grants** page, click **Grant Permission**.
4. On the **Grant Permission** page, grant permissions to the RAM user group.

i. Select the authorization scope.

- **Alibaba Cloud Account**: The authorization takes effect on the current Alibaba Cloud account.
- **Specific Resource Group**: The authorization takes effect on a specific resource group.

 **Note** If you select Specific Resource Group for Authorized Scope, make sure that the required cloud service supports resource groups. For more information, see [Alibaba Cloud services that support resource groups](#).

ii. Specify the principal.

The principal is the RAM user group to which permissions are granted.

iii. Select policies.

 **Note** You can attach a maximum of five policies to a RAM user group at a time. If you need to attach more than five policies to a RAM user group, perform the operation multiple times.

5. Click **OK**.

6. Click **Complete**.

Related information

- [AttachPolicyToGroup](#)

8. View the permissions of a RAM user group

This topic describes how to view the permissions of a Resource Access Management (RAM) user group. You can view the applicable scope, name, type, and description of each policy that is attached to the RAM user group. You can also view the points in time at which each policy is attached to the RAM user group.

Procedure

1. Log on to the [RAM console](#) by using your Alibaba Cloud account.
2. In the left-side navigation pane, choose **Identities > Groups**.
3. On the **Groups** page, find the RAM user group and click its name.
4. Click the **Permissions** tab. You can view the permissions of the RAM user group on this tab.

9.Revoke permissions from a RAM user group

You can revoke permissions that are no longer needed from a Resource Access Management (RAM) user group. This topic describes how to revoke permissions from a RAM user group. You can use one of the following methods to revoke permissions from a RAM user group:

Method 1: Revoke permissions from a RAM user group on the Groups page

1. Log on to the [RAM console](#) by using your Alibaba Cloud account.
2. In the left-side navigation pane, choose **Identities > Groups**.
3. On the **Groups** page, find the RAM user group and click its name.
4. Click the **Permissions** tab, find the policy that you want to detach from the RAM user group, and then click **Remove Permission** in the **Actions** column.
5. Click **OK**.

Method 2: Revoke permissions from a RAM user group on the Grants page

1. Log on to the [RAM console](#) by using your Alibaba Cloud account.
2. In the left-side navigation pane, choose **Permissions > Grants**.
3. On the **Grants** page, find the RAM user group and click **Revoke Permission** in the **Actions** column.
4. Click **OK**.

Related information

- [DetachPolicyFromGroup](#)

10.Delete a RAM user group

This topic describes how to delete a Resource Access Management (RAM) user group. If you no longer need a RAM user group, you can delete the RAM user group. After a RAM user group is deleted, all RAM users in the group and policies that are attached to the group are removed.

Procedure

1. Log on to the [RAM console](#) by using your Alibaba Cloud account.
2. In the left-side navigation pane, choose **Identities > Groups**.
3. On the **Groups** page, find the RAM user group that you want to delete and click **Delete** in the **Actions** column.
4. In the **Delete Group** message, click **OK**.

Related information

- [DeleteGroup](#)