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# Document conventions

<table>
<thead>
<tr>
<th>Style</th>
<th>Description</th>
<th>Example</th>
</tr>
</thead>
<tbody>
<tr>
<td>🚨 Danger</td>
<td>A danger notice indicates a situation that will cause major system changes, faults, physical injuries, and other adverse results.</td>
<td>⚠️ Danger: Resetting will result in the loss of user configuration data.</td>
</tr>
<tr>
<td>🚨 Warning</td>
<td>A warning notice indicates a situation that may cause major system changes, faults, physical injuries, and other adverse results.</td>
<td>⚠️ Warning: Restarting will cause business interruption. About 10 minutes are required to restart an instance.</td>
</tr>
<tr>
<td>🔔 Notice</td>
<td>A caution notice indicates warning information, supplementary instructions, and other content that the user must understand.</td>
<td>🔔 Notice: If the weight is set to 0, the server no longer receives new requests.</td>
</tr>
<tr>
<td>🎈 Note</td>
<td>A note indicates supplemental instructions, best practices, tips, and other content.</td>
<td>🎈 Note: You can use Ctrl + A to select all files.</td>
</tr>
</tbody>
</table>

> 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 `cd /d C:/windows` command to enter the Windows system folder.

**Italic**

Italic formatting is used for parameters and variables. `bae log list --instanceid Instance_ID`

[] or [a|b]

This format is used for an optional value, where only one item can be selected. `ipconfig [-all|-t]`

{} 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. Overview of a RAM user

A RAM user is a RAM identity with a fixed ID and credential information. A RAM user is an identity that represents a person or an application.

- An Alibaba Cloud account can create multiple RAM users. RAM users can be used to represent employees, systems, or applications within an enterprise.
- RAM users do not own resources. Fees incurred by RAM users are billed to the corresponding Alibaba Cloud accounts. RAM users do not receive individual bills and cannot make payments.
- RAM users are visible only to the Alibaba Cloud account to which they belong.
- RAM users must be authorized by their parent Alibaba Cloud accounts before they can log on to the RAM console or call API operations to use resources owned by the parent account.

Enterprises that have multiple Alibaba Cloud resources can use RAM to manage user permissions and resources. For more information, see Use RAM to manage user permissions and resources.
2. Create a RAM user

This topic describes how to create a RAM user. A RAM user is an entity that you create in RAM to represent a person or application. A RAM user can access Alibaba Cloud resources after the RAM user is granted the required permissions.

Procedure

1. Log on to the RAM console with an Alibaba Cloud account.
2. In the left-side navigation pane, click Users under Identities.
3. On the Users page, click Create User.

   Note  You can click Add User to create multiple RAM users at a time.

4. Set the Logon Name and Display Name parameters.
5. In the Access Mode section, select Console Password Logon or Programmatic Access.
   - Console Password Logon: If you select this access mode, you must complete the logon security settings. These settings specify whether to use a system-generated or custom logon password, whether the password must be reset on the next logon, and whether to enable multi-factor authentication (MFA).
     
     Note  If you select Custom Logon Password in the Console Password section, you must specify a password. The password must meet the strength requirements that you have specified on the Identities > Settings page. For more information, see Set a password policy for RAM users.

   - Programmatic Access: If you select this access mode, an AccessKey pair is automatically created for the RAM user. The RAM user can call API operations or use SDKs to access Alibaba Cloud resources.
     
     Note  To ensure the security of your Alibaba Cloud account, we recommend that you select only one access mode for the RAM user. This prevents the RAM user from using an AccessKey pair to access Alibaba Cloud resources after the RAM user leaves the organization.

6. Click OK.

What's next

- You can attach one or more policies to the RAM user. In this way, you grant the RAM user the access to the Alibaba Cloud resources that are specified in the policies. For more information, see Grant permissions to a RAM user.
- The RAM user can be used to log on to the console. For more information, see Log on to the console as a RAM user.
- You can add the RAM user to one or more RAM user groups and grant permissions to the RAM user groups. For more information, see Add a RAM user to a RAM user group.

Related information
• CreateUser
3. View the basic information of a RAM user

This topic describes how to view the basic information of a RAM user, including the user name, display name, and user ID (UID).

Procedure

1. Log on to the RAM console by using an Alibaba Cloud account.
2. In the left-side navigation pane, click Users under Identities.
3. In the User Logon Name/Display Name column, click the name of the RAM user.
4. In the Basic Information section, view the user information.

Related information

- GetUser
4. Modify the basic information of a RAM user

This topic describes how to modify the basic information of a RAM user, including the username and display name.

**Procedure**

1. Log on to the RAM console by using an Alibaba Cloud account.
2. In the left-side navigation pane, click Users under Identities.
3. In the User Logon Name/Display Name column, click the name of the RAM user.
4. In the Basic Information section, click Modify Basic Information and modify the basic information.
5. Click OK.

**Related information**

- UpdateUser
5. Grant permissions to a RAM user

This topic describes how to grant permissions to a RAM user. A RAM user can access Alibaba Cloud resources after obtaining the relevant permissions.

Method 1

Grant permissions to a RAM user on the Users page.

1. Log on to the RAM console by using an Alibaba Cloud account.
2. In the left-side navigation pane, click Users under Identities.
3. In the User Logon Name/Display Name column, find the RAM user.
4. Click Add Permissions. On the page that appears, the Principal field is automatically filled in.
5. In the Policy Name column, select the policies that you want to attach to the RAM user.

Note: You can click the cross sign (×) next to a policy in the Selected section to delete the policy.

6. Click OK.
7. Click Finished.

Method 2

Grant permissions to a RAM user on the Grants page.

1. Log on to the RAM console by using an Alibaba Cloud account.
2. In the left-side navigation pane, click Grants under Permissions.
3. Click Grant Permission.
4. In the Principal section, enter the name or ID of the RAM user, and then select the RAM user from the auto-complete results.
5. In the Policy Name column, select the policies that you want to attach to the RAM user.

Note: You can click the cross sign (×) next to a policy in the Selected section to delete the policy.

6. Click OK.
7. Click Finished.

Related information

- AttachPolicyToUser
6. View the permissions of a RAM user

This topic describes how to view the permissions of a RAM user, including the permissions that are granted to the RAM user and the permissions that the RAM user inherits from the RAM user groups. You can view the applicable scope, type, and description of each permission policy to help you better manage permissions.

View the permissions that are granted to a RAM user

1. Log on to the RAM console with an Alibaba Cloud account.
2. In the left-side navigation pane, click Users under Identities.
3. In the User Logon Name/Display Name column, click the username of the target RAM user.
4. Click the Permissions tab.
5. On the Individual tab, view the permissions that are granted to the RAM user.

View the permissions that a RAM user inherits from the RAM user groups

1. Log on to the RAM console with an Alibaba Cloud account.
2. In the left-side navigation pane, click Users under Identities.
3. In the User Logon Name/Display Name column, click the username of the target RAM user.
4. Click the Permissions tab.
5. Click the Group Permissions tab. On this tab, view the permissions that the RAM user inherits from the RAM user groups.
You can remove permissions from a RAM user if the RAM user no longer needs the permissions or the RAM user leaves your organization. This topic describes how to remove permissions from a RAM user.

### Method 1
You can remove permissions from a RAM user on the Grants page.

1. Log on to the [RAM console](https://console.alibabacloud.com) by using an Alibaba Cloud account.
2. In the left-side navigation pane, click Grants under Permissions.
3. On the Grants page, find the RAM user and policy, and click Revoke Permission in the Actions column.
4. In the message that appears, click OK.

### Method 2
You can remove permissions from a RAM user on the Permissions tab of a user details page.

1. Log on to the [RAM console](https://console.alibabacloud.com) by using an Alibaba Cloud account.
2. In the left-side navigation pane, click Users under Identities.
3. On the Users page, click the name of the RAM user in the User Logon Name/Display Name column.
4. On the page that appears, click the Permissions tab. On this tab, find the policy that you want to detach from the RAM user, and click Remove Permission in the Actions column.
5. In the message that appears, click OK.

### Related information
- [DetachPolicyFromUser](https://console.alibabacloud.com)
8. Log on to the console as a RAM user

This topic provides the logon URL of RAM users and describes how to log on to the RAM console as a RAM user.

Context

- For information about the default domain name, account alias, and domain alias, see Terms.
- After you log on to the RAM console by using an Alibaba Cloud account, you can view the default domain name and domain alias on the Identities > Settings > Advanced tab.

Procedure

1. Log on to the RAM console as a RAM user.

   Note: To view the logon URL of RAM users, use your Alibaba Cloud account to log on to the RAM console. The logon URL is displayed on the Overview page.

2. Enter the logon name of the RAM user and click Next. Three types of logon name are available:

   - Logon name 1: default domain name. The format of the RAM user logon name is `<$username>@<$AccountAlias>.onaliyun.com`, for example, `username@company-alias.onaliyun.com`.
     
     Note: The logon name of the RAM user is in the User Principal Name (UPN) format. All logon names that are listed in the RAM console follow this format. `$username` indicates the username of the RAM user. `$AccountAlias`.onaliyun.com indicates the default domain name.

   - Logon name 2: the enterprise alias. The format of the RAM user logon name is `<$username>@<$AccountAlias>`, for example, `username@company-alias`.
     
     Note: `$username` indicates the username of the RAM user. `$AccountAlias` indicates the enterprise alias.

   - Logon name 3: the domain alias if configured. The format of the RAM user logon name is `<$username>@<$DomainAlias>`, for example, `username@example.com`.
     
     Note: `$username` indicates the username of the RAM user and `$DomainAlias` indicates the domain alias.

3. Enter the logon password and click Log on.
9. Delete a RAM user

This topic describes how to delete a Resource Access Management (RAM) user. After a RAM user is deleted, the AccessKey pairs of the RAM user are deleted and the multi-factor authentication (MFA) device of the RAM user is removed. The permissions of the RAM user are also removed.

Prerequisites

The RAM user is not used by systems or applications. Otherwise, a service failure may occur after the RAM user is deleted.

Procedure

1. Log on to the RAM console with an Alibaba Cloud account.
2. In the left-side navigation pane, click Users under Identities.
3. On the Users page, find the RAM user that you want to delete in the User Logon Name/Display Name column, and click Delete in the Actions column.
4. In the dialog box that appears, click Aware of the Risk and Confirm Delete.

Related information

- DeleteUser