

Alibaba Cloud Cloud Firewall

Business Visualization

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Generic conventions

Table -1: Style conventions

Style	Description	Example
	This warning information 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.
	This warning information 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 restore business.
	This indicates warning information, supplementary instructions, and other content that the user must understand.	 Notice: Take the necessary precautions to save exported data containing sensitive information.
	This indicates supplemental instructions, best practices, tips, and other content that is good to know for the user.	 Note: You can use Ctrl + A to select all files.
>	Multi-level menu cascade.	Settings > Network > Set network type
Bold	It is used for buttons, menus, page names, and other UI elements.	Click OK.
Courier font	It is used for commands.	Run the <code>cd / d C :/ windows</code> command to enter the Windows system folder.
<i>Italics</i>	It is used for parameters and variables.	<code>bae log list --instanceid Instance_ID</code>
[] or [a b]	It indicates that it is an optional value, and only one item can be selected.	<code>ipconfig [-all -t]</code>

Style	Description	Example
{} or {a b}	It indicates that it is a required value, and only one item can be selected.	<code>switch {stand slave}</code>

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1 Create application groups and business groups

Cloud Firewall visualizes the traffic between businesses to help you learn about the access relationships between businesses and choose access control policies to be applied.

Prerequisites

To visualize the traffic, you must create business groups and application groups and add applications to these groups.

Context

Make sure that you understand the following basic concepts:

- **Business group:** In east-west traffic visualization, a business group is a set of application groups that provide the same service or similar services. For example, a Web portal business group contains Web application groups and database application groups.
- **Application group:** In east-west traffic visualization, an application group is a set of applications that provide the same service or similar services. For example, all ECS instances deployed with MySQL can be added to one database application group.
- **Application:** The smallest unit in east-west traffic visualization. An application is a set of all open ports on an ECS instance by default. You can create a new application by cloning the default application through a specified port.

Step 1: Create a business group

1. Log on to the [Cloud Firewall console](#).
2. In the left-side navigation pane, choose Business Visualization > Custom Groups > Business Groups.
3. In the upper-left corner of the Business Groups tab page, select a VPC network for the business group to be created.



Note:

You can select from existing VPC networks and Classic networks. You must specify only one VPC network for each business group.

4. In the upper-right corner, click **Create Business Group**.
5. In the **Create Business Group** dialog box, configure the business group information.
 - **Name:** Enter the business group name. The name must be from 1 to 40 characters in length.
 - **Description:** Enter the business group description.
 - **Importance Degree:** Specify the importance degree of the business group. This helps you distinguish business groups of different importance degrees in the business relations graph. The importance degrees include `moderate` , `important` , and `critical` .

On the **Application Groups** page, you can view business groups of specified importance degrees.

6. Click **OK**.

The new business group belongs to the VPC network that you selected. In the business group list, you can modify or delete business groups.



Note:

You cannot delete a business group that contains application groups.

Step 2: Create an application group

1. Log on to the [Cloud Firewall console](#).
2. In the left-side navigation pane, choose **Business Visualization > Custom Groups > Application Groups**.
3. In the upper-left corner of the **Application Groups** tab page, select a VPC network for the application group to be created.
4. In the upper-right corner, click **Create Application Group**.

5. In the Create Application Group dialog box, configure the application group information.

- **Name:** Enter the application group name. The name must be from 1 to 40 characters in length.
- **Description:** Enter the application group description.
- **Importance Degree:** Specify the importance degree of the application group. This helps you distinguish application groups of different importance degrees in the business relations graph. The importance degrees include `moderate` , `important` , and `critical` .

On the Application Groups page, you can click a business group, and view applications groups of specified importance degrees.

- **Business Group:** You can `Select Existing Business Group` or `Create Business Group` .
 - If you choose to `Select Existing Business Group` , select a business group in the Name drop-down list.



Note:

The new application group is automatically added to the VPC network that the specified business group belongs to.

- If you choose to `create a business group` , specify the name, description, and importance degree of the new business group.

6. Click OK.

7. (Optional) You can click Assign in the Actions column to change the business group that an application group belongs to.

After this operation, the data in the Application Groups column on the Business Groups tab page is changed.

You can also modify or delete the application groups.



Note:

You cannot delete an application group that contains applications.

Step 3: Specify an application group and a business group for an application

On the Applications tab page, you can view the numbers of business groups, application groups, applications, and ECS instances in Cloud Firewall.

1. Log on to the [Cloud Firewall console](#).
2. In the left-side navigation pane, choose Business Visualization > Custom Groups > Applications.
3. Search for a specific application.
4. Click Assign in the Actions column. In the dialog box that appears, select the business group and application group that you created.



Note:

After this operation, the numbers of business groups and application groups on the Business Groups tab page are changed.

5. (Optional) You can also click Clone in the Actions column to create a new application based on the specified application.

After you activate Cloud Firewall, a default application is created for each ECS instance. The traffic bound to an ECS instance is automatically associated with the default application. If the applications on an ECS instance are associated with different businesses, you can use the clone operations to create a new application and assign another business group and another application group. When you clone

an application, you can modify the ECS instance ID, listening port, and process name.

Subsequent operations

[#unique_4](#)

2 Application Groups

After business groups and application groups are created, you can view the business groups, application groups, applications, VSwitches, and ECS instances in each region on the Application Groups page.

Context

On the Application Groups page, click the name of a region. The Application Groups page is displayed. You can view all the business groups in the specified region. Click a business group to view the details, including the application groups, applications, dependent business groups, independent business groups, and first visit traffic.

Procedure

1. Log on to the [Cloud Firewall console](#).
2. In the left pane, choose Business Visualization > Application Groups.
3. Click the VPC that you want to view.
4. On the business relations page of the specified VPC, you can view the information of each business group, including the dependent business groups and the independent business groups.
 - You can click the Settings button on the left to set the importance degrees of business groups to be displayed.



Note:

You can distinguish application groups from business groups in the business relations graph. For example, a circle with the word application in it represents an application group, and a circle with the words business group in it

represents a business group. The larger a circle is, the more important the business group or application group is.

- On the right of the business relations graph, the statistics of the VPC is displayed, including the business groups, application groups, applications, first visit traffic, and all the business groups in the VPC.
- In the Actions column for a business group, click View Details to view the detailed business relations of this business group. You can view the nodes and business relations of the specified business group.