

Alibaba Cloud Cloud Monitor

Best Practices

Issue: 20181126

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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.	 Note: 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 a optional value, and only one item can be selected.	<code>ipconfig [-all -t]</code>
{ } or {a b}	It indicates that it is a required value, and only one item can be selected.	<code>swich {stand slave}</code>

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1 Alarm template Best Practices

Destination

When your Alibaba Cloud account has many resources such as servers and cloud products, how do you quickly create alert policies for these resources and modify improper alert policies? By presenting a specific case, this article provides large business users with guidance on using application grouping and alert template to manage the alert policies of cloud resources used by services.

Case studies

When your account has many servers and other cloud product instances, it is recommended that you create different application groups for these resources from the service perspective and then use application groups to manage resources in batches.

How to improve the efficiency of alert policy configuration using an alert template?

- The alarm rule configuration is different on apply grouping and configure on a single instance
 - You can select "Instance" or "Application Group" for the resource range when creating an alert policy. If "Application Group" is selected, the alert policy takes effect for all resources in the application group. When your business needs to expand or shrink, you only need to move the appropriate resources into or out of the app grouping, without adding or removing alarm rules. After you modify an alert policy of the application group, the modified alert policy takes effect for all instances in the application group.
 - If "Instance" is selected, the alert policy only takes effect for the target instance. After you modify the alert policy, it only takes effect for the instance. As the number of instances increases, management of alert policies becomes increasingly complex.
- You can use the alert template function to improve the efficiency of alert policy configuration.
 - Metrics and alert thresholds are relatively fixed during alert policy configuration for basic services such as ECS, ApsaraDB for RDS, and Server Load Balancer. After an alert template is created for monitoring indexes that require alerting, you can create an application group for new services and apply the alert template to the application group to create alert policies for the new services in one click.
 - When you need to add, modify, or delete alert policies in batches, you can modify the alert template and then apply it to the application group. This can save plenty of time.

Procedure

The following describes how to create an application group for the background services of an e-commerce website and apply an alert template to the application group to quickly build a cloud-based monitoring and alerting system.

1. The e-commerce website has background modules such as stock management, payment management, and item management. Follow the procedures below to complete this exercise. Create an application group named "Online Environment of Stock Management":
 - Go to the [Application Group] page and click "Create Group" at the upper-right corner to go to the page for creating an application group.
 - Name the application group and select the cloud resources used by the stock management service. The common combination of server+database+server load balancer is used as an example.
 - Select a notification recipient. When an alert is triggered based on the alert policies of the application group, the alert information is sent to the selected notification recipient.
 - Click "OK" to create the application group.
2. Create an alert template: Go to the [Alert Template] page and click "Create Alert Template" at the upper-right corner to go to the page for creating an alert template. Fill out the alert template with the basic information. Add the alert policies required by the service module to the alert template. Click "OK" to save the template setting.
3. Apply the alert template to the application group:

Select the created alert template in the template list and apply the alert template to the application group named "Online Environment of Stock Management". Configure the notification method.

2 Receive alarm notifications through a DingTalk group

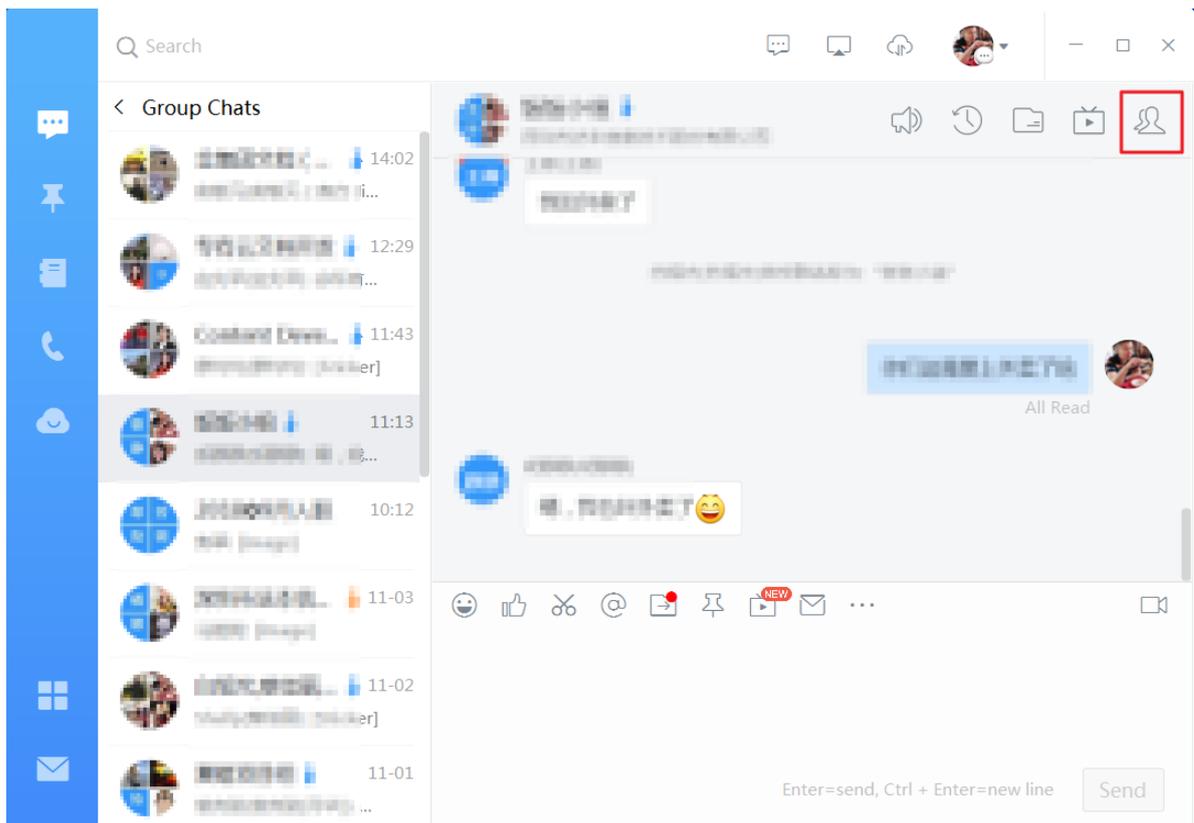
With the new function provided by CloudMonitor, you can receive alarm notifications through a DingTalk group by following the instructions provided in this topic.

For the existing alarm rules, you only need to add the webhook address of the DingTalk robot to your contact, eliminating the need to modify the rules.

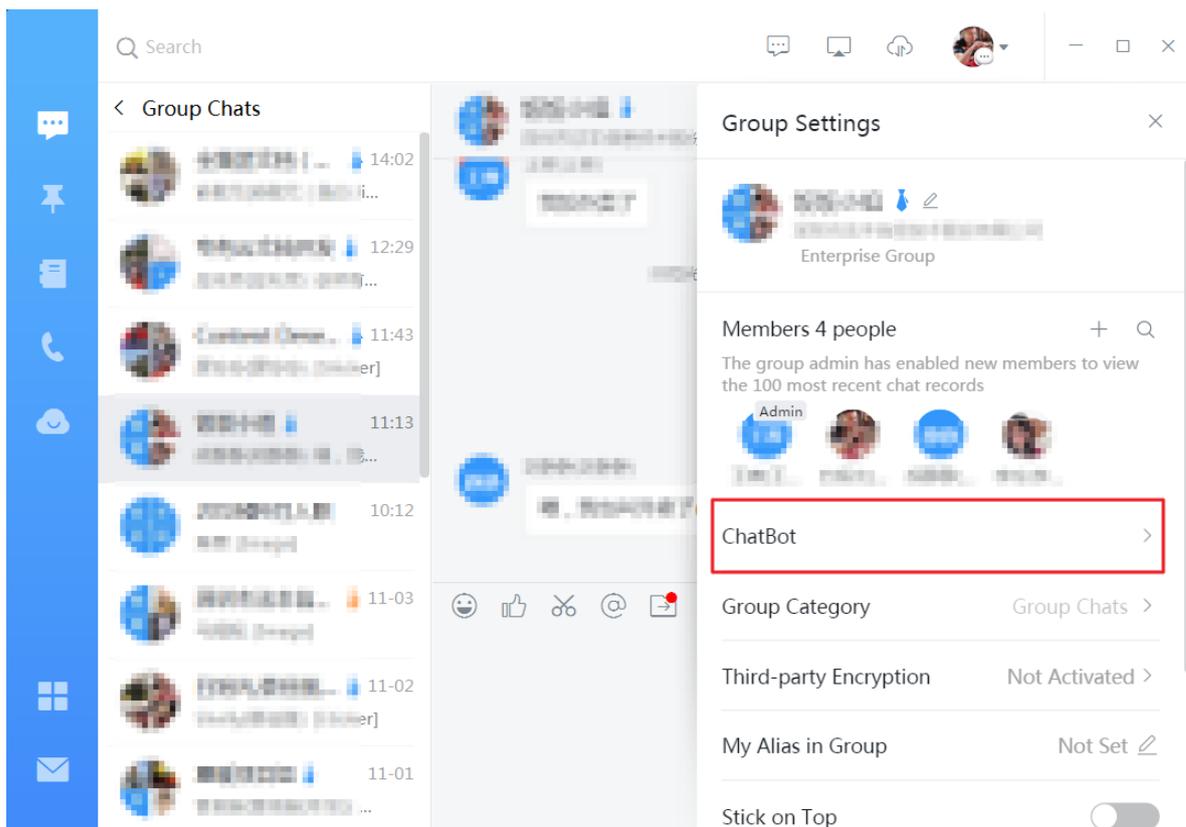
After the DingTalk robot is added to an existing contact, all alert notifications that the contact previously receives through email and SMS can now be received through the DingTalk group.

Create a DingTalk robot (on your PC)

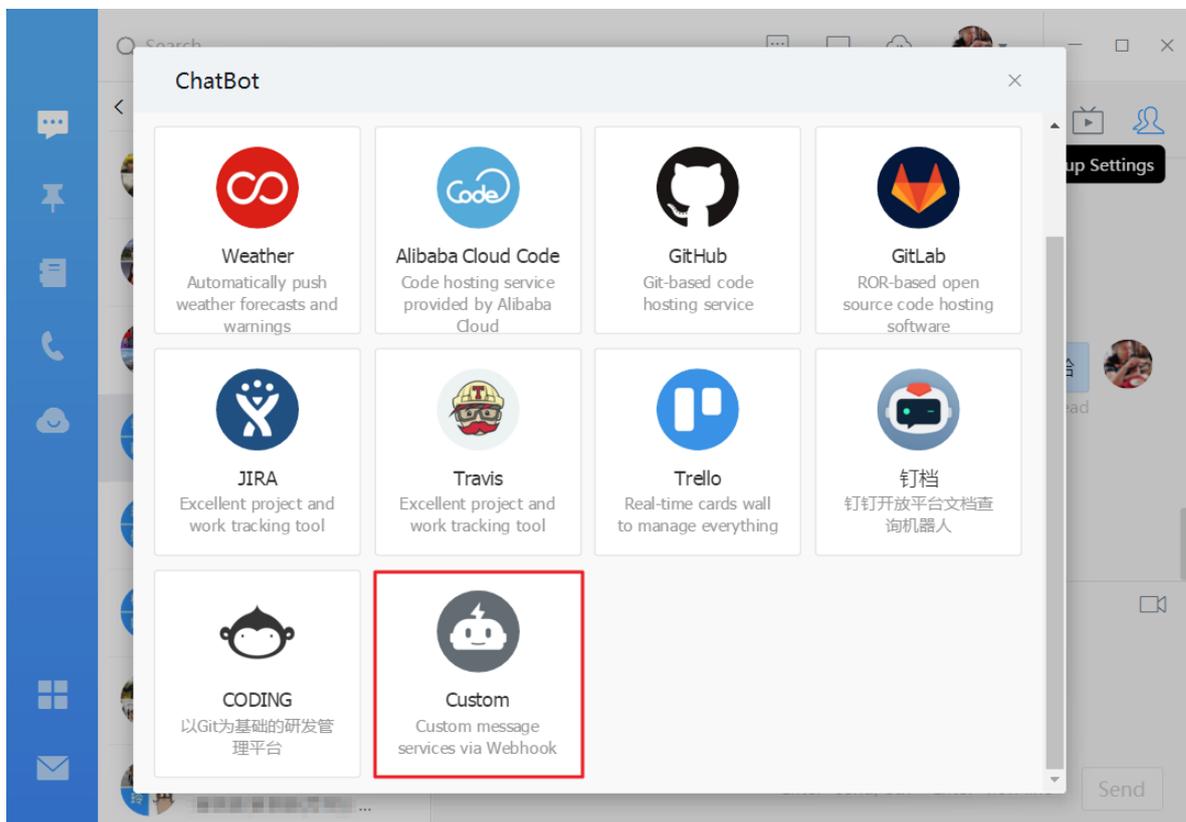
1. Open the DingTalk group through which you want to receive alarm notifications.



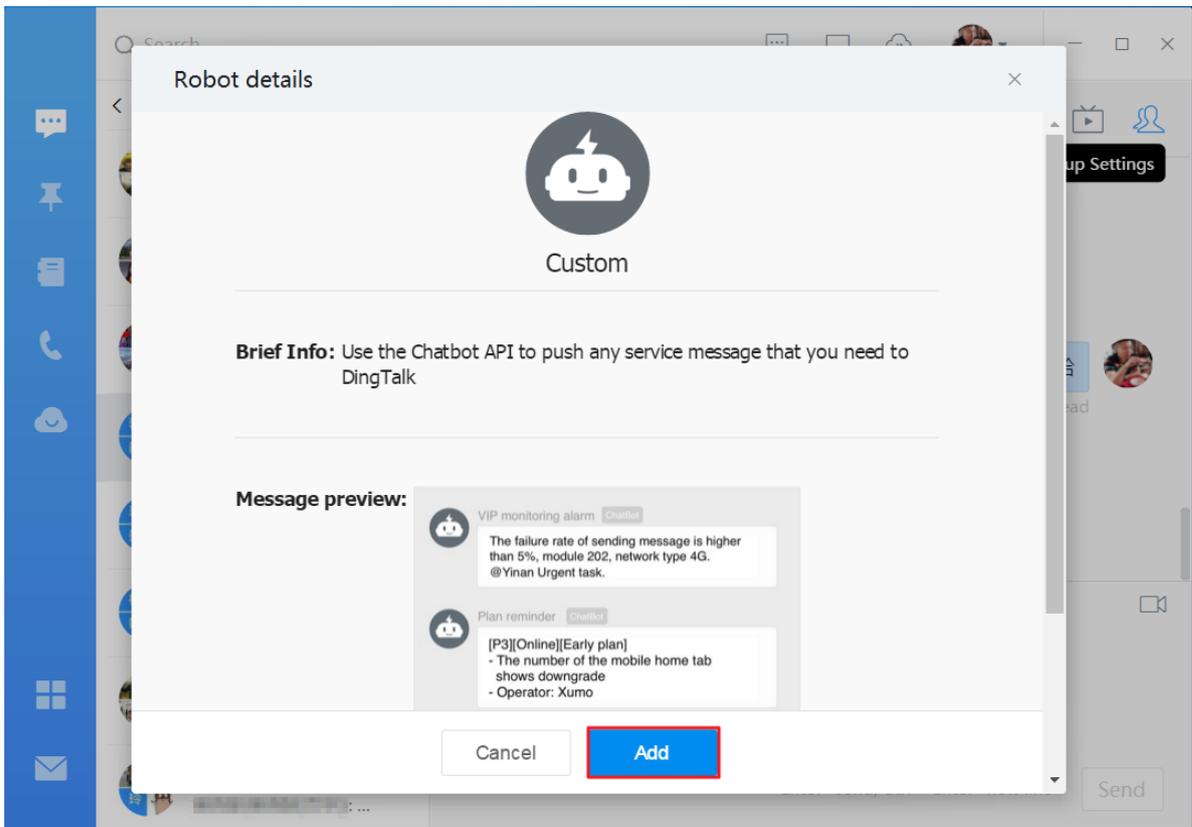
2. Click the **Group Settings** icon in the upper right corner. The **Group Settings** window is displayed.



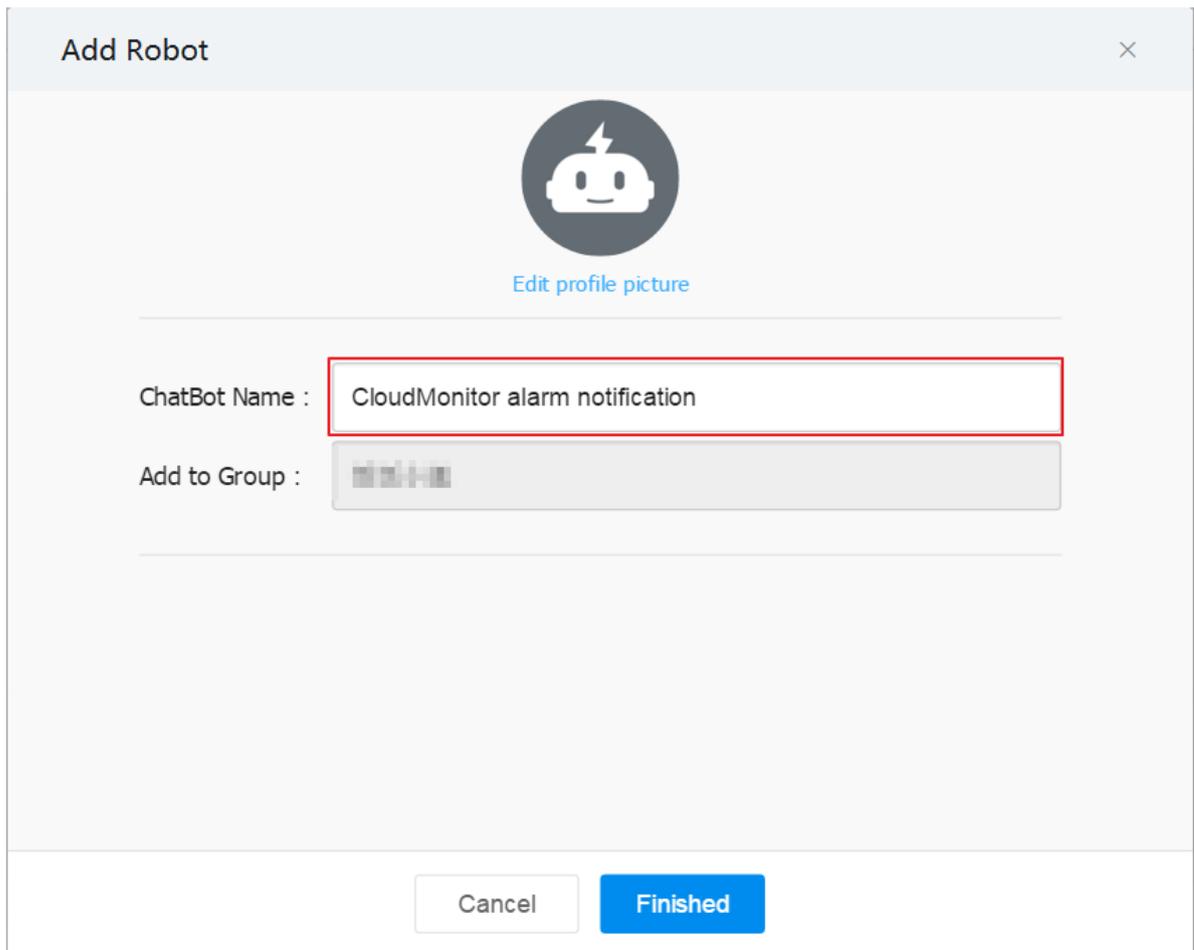
3. Click **ChatBot**. The **ChatBot** dialog box is displayed. Click **Custom** to create a DingTalk robot for receiving alarm notifications.



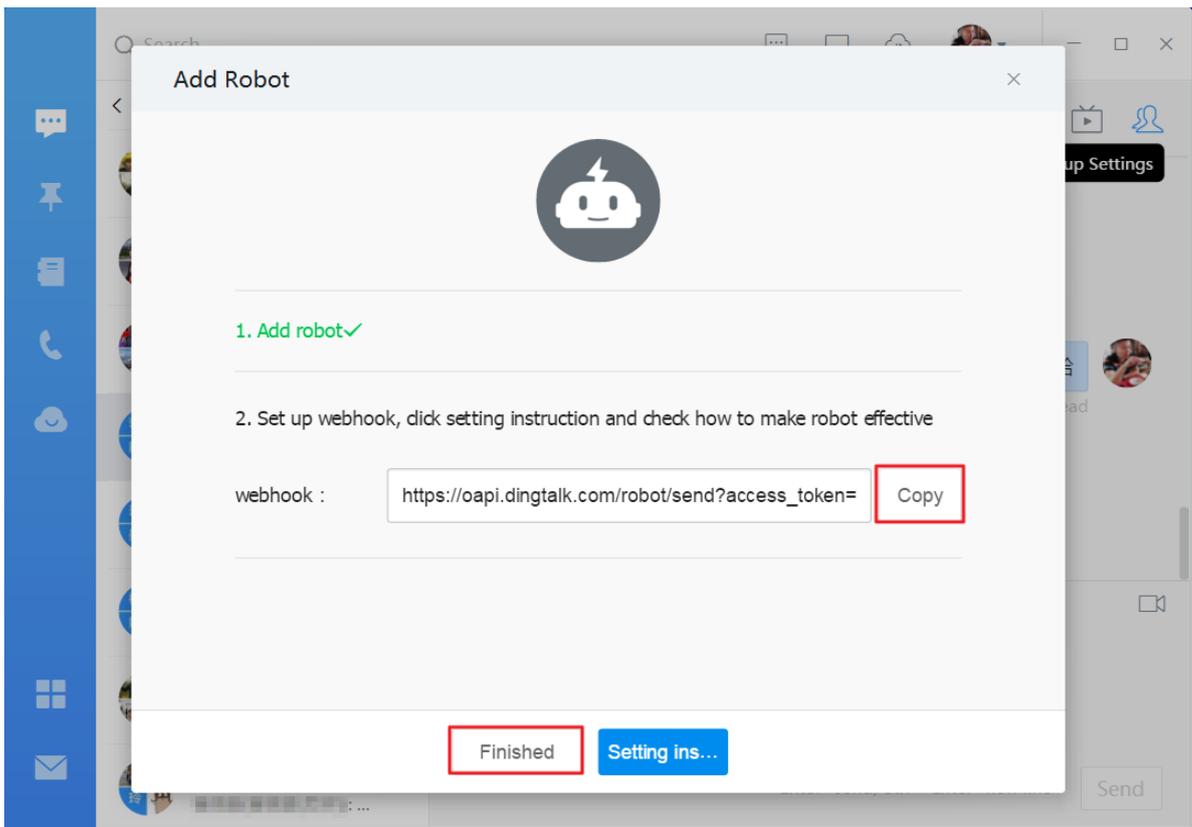
4. In the **Robot details** dialog box, click **Add**. The **Add Robot** dialog box is displayed.



5. Enter the robot name, such as CloudMonitor alarm notification. Then, click **Finished**.



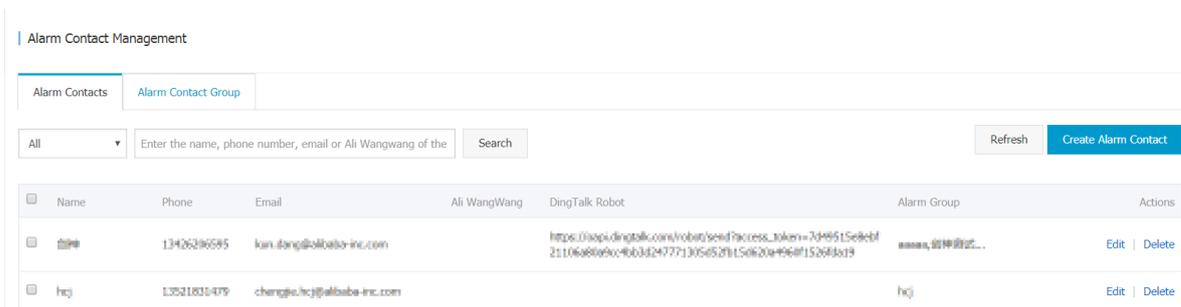
6. Click **Copy** to copy the webhook address. Then, click **Finished** to add the robot.



Add a DingTalk robot to a contact

You can add the webhook address of the created DingTalk robot to the alarm contact. Then, you can receive alarm notifications through the DingTalk group where the robot is created.

1. Log on to the [CloudMonitor Console](#).
2. In the left navigation pane, click **Alarm Contacts** under **Alarms**. The **Alarm Contact Management** page is displayed.



3. Find a contact and click **Edit** to add the webhook address of the DingTalk robot in the **Set Alarm Contact** dialog box. Alternatively, click **Create Alarm Contact** to create a contact that uses the DingTalk robot.

Set Alarm Contact ✕

Name:

The name must be 2-40 characters, can include English letters, numbers, ., and underscores, and should start with a Chinese or English character.

Phone:

Verification code:

Fill in the phone verification code.

Email ID:

Verification code:

Fill in the E-mail verification code.

Ali WangWang:

DingTalk Robot:
[How to get the DingTalk robot address](#)