Anti-DDoS

Best Practices

Issue	04
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Contents

1 Configuring Alarm Notifications

Scenario

An alarm notification will be sent to the endpoint you have configured if a DDoS attack is detected after you enable the alarm notification.

Prerequisites

- You have enabled Simple Message Notification (SMN).
- You have purchased at least one public IP address.

Constraints

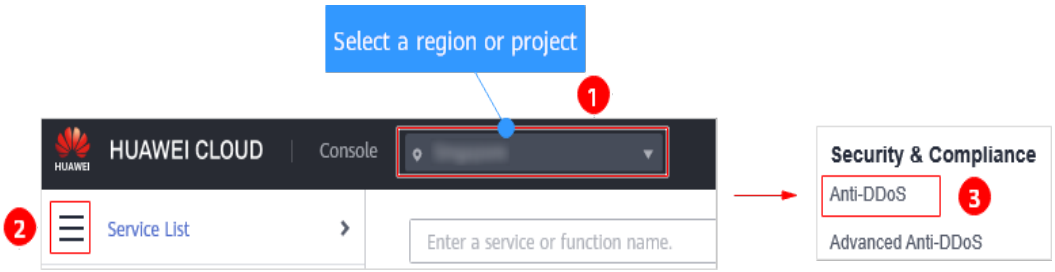
- Simple Message Notification (SMN) is a paid service. For details, see **Product Pricing Details**.
- Before enabling alarm notification, **create a topic** and **add a subscription to the topic** in SMN.

Procedure

Step 1 **Log in to the management console**.

Step 2 Click ☰ in the upper left corner of the page and choose **Security & Compliance** > **Anti-DDoS**.

Figure 1-1 Anti-DDoS



Step 3 On the **Anti-DDoS** page, click the **Alarm Notifications** tab and configure alarm notification. For details about the parameter setting, see **Figure 1-2**.

Figure 1-2 Configure alarm notifications

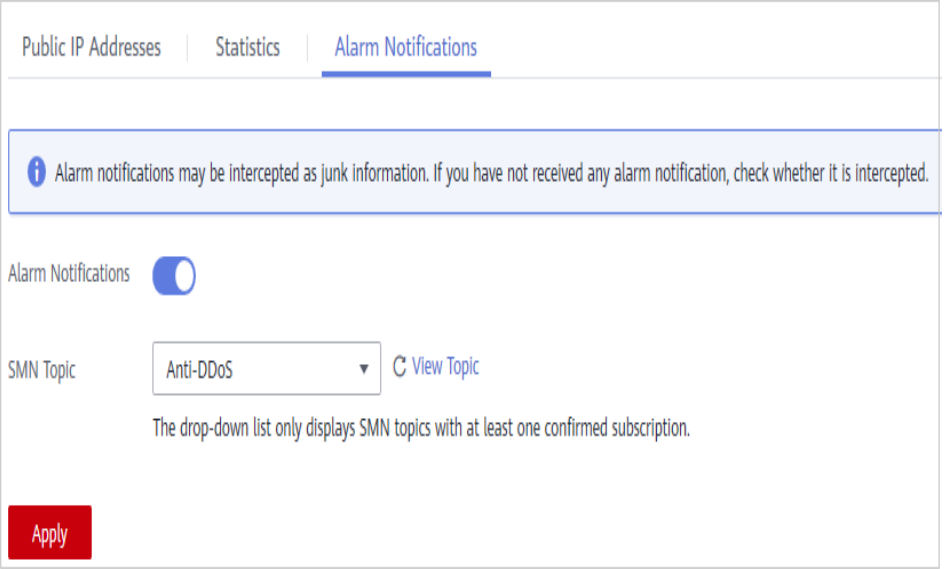


Table 1-1 Parameters required for configuring alarm notifications

Parameter	Description	Example Value
Alarm Notifications	Indicates whether to enable the alarm notification. The options are as follows: • : enabled • : disabled If the function is disabled, click to set it to .	
SMN Topic	You can select an existing topic or click **View Topic** to create a topic.	-

Click **View Topic** to switch to the SMN console where you can create a topic and configure the endpoint to receive the alarm notifications. To create a topic, perform the following steps:

1. Follow the instructions described in **Creating a Topic** to create a topic.
2. Follow the instructions described in **Adding a Subscription** to configure an endpoint, such as mobile number or email address, to receive the alarm notifications.

For more information about topics and subscriptions, see **Simple Message Notification**.

Step 4 Click **Apply** to enable alarm notification.

----End

2 Connecting to a Server Routed to a Black Hole

Scenario

When your server is under a traffic flooding attack, a black hole will be triggered to block all accesses from the Internet. You can connect to a server which a black hole has been triggered for through an ECS.

Prerequisites

- You have purchased at least one public IP address.
- The username and password for logging in to an ECS have been obtained.
- The username and password for logging in to a server which a black hole has been triggered for have been obtained.

Constraints

Ensure the ECS can be accessed and in the same region as the server.

Procedure

Step 1 **Log in to the management console**.

Step 2 Click in the upper left corner of the management console and select a region or project.

Step 3 Click and choose **Computing** > **Elastic Cloud Server**.

Step 4 Log in to the ECS that can be accessed and in the same region as the server which a black hole has been triggered for.

Select a login method and log in to the ECS.

- For details about how to log in to a Windows ECS, see **Windows ECS Login Overview**.
- For details about how to log in to a Linux ECS, see **Linux ECS Login Overview**.

Step 5 Table 2-1 describes how to connect to a server which a black hole has been triggered for.

Table 2-1 Server connection

ECS OS	Blackholed Server OS	Connection Method
Windows	Windows	Use MSTSC to log in to the server which a black hole has been triggered for. 1. Search for **mstsc** in the ECS and click it to open the **Remote Desktop Connection** dialog box. 2. Click **Show Options** in the displayed dialog box. 3. Enter the EIP and username (**Administrator** by default) of the server which a black hole has been triggered for. 4. Click **OK** and enter the login password as prompted to log in to the server.
	Linux	Use a remote login tool, such as PuTTY or Xshell, to log in to the server.
Linux	Windows	1. Install a remote connection tool, such as **rdesktop**. 2. Run the following command to log in to the server which a black hole has been triggered for. **rdesktop -u** *Username* **-p** *Password* **-g** *Resolution EIP bound to the server which a black hole has been triggered for*
	Linux	Run the following command to log in to the server which a black hole has been triggered for. **ssh** *EIP bound to the server which a black hole has been triggered for*

----End

Follow-up Operation

Once you have connected your ECS to a server in the black hole state, you can transfer files to the server and can make whatever configuration changes are necessary.

3 Enhancing DDoS Mitigation Capabilities

Anti-DDoS provides a 500 Mbit/s mitigation capacity against DDoS attacks for free. Attack traffic that exceeds 500 Mbit/s will be routed to a black hole and legitimate traffic will be discarded.

To resume services quickly, it is a better choice to purchase HUAWEI CLOUD Advanced Anti-DDoS to expand protection capabilities.

A Change History

Released On	Description
2021-08-06	This is the fourth official release. Modified the description of the entry on the management console.
2021-06-18	This is the third official release. ● Optimized descriptions in **Configuring Alarm Notifications**. ● Optimized descriptions in **Connecting to a Server Routed to a Black Hole**.
2020-04-08	This is the second official release. Updated some screenshots.
2019-06-21	This is the first official release.

