

Alibaba Cloud Cloud Monitor

FAQ

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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 Product Operation Problems

1.1 Cloud monitoring user action details

Q: What is CloudMonitor and how to use it?

A: CloudMonitor, as the monitoring and management entry to cloud services, allows you to quickly learn the statuses and performance of product instances. CloudMonitor provides services in site monitoring, cloud service monitoring, and customized monitoring. In the CloudMonitor console, you can see the chart of monitoring metrics for the current service to get a clear picture of your service operation. Meanwhile, you can also set alarm rules and manage the statuses of monitoring metrics to keep yourself posted of any exceptions.

1.2 Cloud monitoring adds ECs base monitoring data

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Description

CloudMonitor is a monitoring service provided by Alibaba Cloud. It adds some basic monitoring metrics for ECS, including CPU usage, inbound network rate, outbound network rate, system disk IOPS, system disk BPS, inbound traffic, and outbound traffic.

You can query related monitoring metrics immediately after activating an instance without the help of any plug-in. You can also set alarm rules for the monitoring metrics. Notifications are sent by SMS or email when the alarm threshold is reached:

Procedure

You can set an alarm for the **outbound network rate** to timely learn the bandwidth usage. For detailed setup of alarm rules, see [Manage alarm rules](#)

1.3 Server traffic is inconsistent with monitored data

The server monitoring result in the CloudMonitor console is presented in traffic diagrams in two sizes.

The traffic data in Diagram 1 and Diagram 2 is usually inconsistent, and the data curve in Diagram 2 looks smoother.

This is because the statistical cycles of the two diagrams are different. The statistical cycle of Diagram 1 is 1 minute, while that of Diagram 2 is 15 seconds.

1.4 Description of disk monitoring display in cloud server monitoring items in cloud monitoring?

Q: What do the data curves of different colors in the disk usage monitoring of CloudMonitor represent?

A:

In the disk monitoring of ECS monitoring metrics of CloudMonitor, the blue curve represents the system disk usage, and the yellow curve represents the data disk usage, as shown in the following figure:



Note:

Note: You must mount the data disk to the correct directory to view the monitoring data for the data disk usage in the CloudMonitor console.

1.5 Q: How to view the monitoring data of a specified date in the CloudMonitor console?

1. Log in to the cloud monitoring Console: <http://cms.console.aliyun.com/>, click the monitoring category you want to view in the left navigation bar, such as cloud server ECS.
2. Click on the right-hand monitoring chart.
3. 3. You can click the following buttons in CloudMonitor to select a date and view the monitoring data:



Note:

Note: CloudMonitor only supports querying the monitoring data of the last 30 days currently.

1.6 What is the specific role of inode usage monitoring in cloud monitoring?

Linux/Unix systems use inode numbers, instead of file names, to identify files.

For the system, files names are alias or nicknames of inode numbers for the convenience of identification.

On the face of it, users open files using file names. But the process within the system involves three steps:

First, the system locates the inode number matching the file name.

Second, the system retrieves the inode information using the inode number.

At last, the system locates the block where the file data is stored based on the inode information and read the data.

Since each file must have an inode, it is possible that inode has been used up, but when the hard disk is not fully stocked, it is not possible to create a new file on the hard disk, this is the purpose of this monitor; view the total number of inodes per hard disk partition and the number already used, you can use DF-I.

If you want to view the size of each inode node, you can use `sudo dumpe2fs -h /hda | grep "inode size "`.