

# Cloud Monitor

## Quick Start

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## Overview

### Definition

Cloud Monitor is a service that monitors Alibaba Cloud resources and Internet applications. Cloud Monitor can be used to collect metrics for Alibaba Cloud resources, detect Internet service availability, and set alarms for the metrics.

### Customer benefits

Cloud Monitor can monitor ECS, ApsaraDB, Server Load Balancer and other types of Alibaba Cloud service resources. It can also monitor Internet application availability via common network protocols such as HTTP and ICMP. Cloud Monitor gives you a comprehensive understanding of the usage, performance and running status of Alibaba Cloud resources. The alarm service enables you to make quick responses to ensure that your applications run smoothly.

## Use cloud service monitoring

### Application scenario

You can query Performance indicators of the cloud service instances you have bought to help analyze the usage, collect statistics about the business trend, and detect and diagnose related system problems.

**Note:** Currently, Cloud Monitor supports the following products. More products will be supported later.

- ECS
- RDS
- Server Load Balancer
- OSS

- CDN
- Elastic public network IP address
- ApsaraDB for Redis
- ApsaraDB for Memcache
- ApsaraDB for MongoDB
- Container Service
- Message service
- Log service
- API gateway

## Operation procedure

Log on to the Cloud Monitor console.

Click the product name in the **Cloud Service Monitoring** menu and select the product to view.

Click an instance name in the product instance list or click **Monitoring chart** in the **Actions** column to access the instance monitoring details page.

View the instance monitoring details.

## Use dashboards

The dashboard function of Cloud Monitor supports custom display of metric data. You can view metric data in a monitoring dashboard across products and across instances, and display instances of different products in a centralized manner.

## View monitoring dashboards

### Application scenario

You can quickly know about metric data of various cloud product instances through monitoring dashboards in order to view instance resource usage of various cloud products.

#### Note:

- By default, Cloud Monitor initializes **ECS global monitoring dashboard** and displays ECS metric data.

- You can add other metric data of other cloud products in a custom manner.

## Operation procedure

Log on to Cloud Monitor console.

Click the **Dashboard** option in the left menu to access the **Dashboard** page.

By default, **ECS global monitoring dashboard** initialized by Cloud Monitor is displayed.

3. Click the monitoring dashboard name and select another monitoring dashboard from the drop-down list box.

## Create a monitoring dashboard

### Application scenario

If your business is complicated, and the default ECS monitoring dashboards cannot satisfy your monitoring visualization requirements, you can create a new monitoring dashboard and customize charts to be displayed.

**Note:** Each chart can display a maximum of 10 lines. The first 10 lines are displayed by default if you have defined more than 10 lines for a chart.

### Operation procedure

Log on to Cloud Monitor console.

Click the **Dashboard** option in the left menu to access the **Dashboard** page.

In the top-right corner of the page, click **Add View Group**.

Enter the name of the monitoring dashboard, and click **Create** to complete the creation.

The page is automatically redirected to the new monitoring dashboard page where you can add various metric charts as you like.

## Add a chart

### Application scenario

Currently, you can add major cloud product metrics and user business metrics to monitoring dashboards.

If you use multiple types of cloud products for your application, you can add cloud product metrics to the same monitoring dashboard by adding a chart, so that you can view cloud product metrics globally.

When you report your business metric data on the Cloud Monitor API, you can add a monitoring chart to display the metric data in a visualized manner.

## Operation procedure

- Add cloud product metrics
- Add business metric monitoring

## Switch monitoring dashboards

### Application scenario

If you create multiple monitoring dashboards, you can view the monitoring charts of different dashboards by switching monitoring dashboards.

### Operation procedure

Log on to Cloud Monitor console.

Click the **Dashboard** option in the left menu to access the **Dashboard** page.

Click the name of a monitoring dashboard in the **Current Dashboard** drop-down list.

All monitoring dashboards created by you are displayed. You can switch to another dashboard by selecting the name of that dashboard.

## Delete a monitoring dashboard

### Application scenario

You can delete a monitoring dashboard if you do not need it as your business changes.

**Note:**

When you delete a monitoring dashboard, all metric charts added to the dashboard will all be deleted.

Related data cannot be restored if a monitoring dashboard is deleted.

## Operation procedure

Log on to Cloud Monitor console.

Click the **Dashboard** option in the left menu to access the **Dashboard** page.

In the top-right corner of the page, click **Delete View Group** button to delete the dashboard.

## Modify a monitoring dashboard

### Application scenario

You can modify a monitoring dashboard if you need to change the name of it as the content of the monitoring dashboard changes.

### Operation procedure

Log on to Cloud Monitor console.

Click the **Dashboard** option in the left menu to access the **Dashboard** page.

Hover your mouse over the name of monitoring dashboard, **Change Name** is displayed on the right side. Click **Change Name** to make it editable so that you can modify the name of the monitoring dashboard.

## Use custom monitoring

### Application scenario

You can monitor concerned services and report collected monitoring data to Cloud Monitor in an

agreed format through the OpenAPI of Cloud Monitor, so that Cloud Monitor processes the data and generates alarms based on the result.

**Note:**

Currently, each user can create up to 10 metric items.

Metric data needs to be reported consecutively by time sequence.

## Add a custom metric item

Log on to Cloud Monitor console.

Click **Metrics total** in the **Customized monitor** menu to go to the **Customized Monitoring** page.

In the top-right corner of the page, click **Create a monitored item** and enter the definition of the metric items.

For details, refer to [Create custom metric items and alarm rules](#).

Report data to Cloud Monitor regularly through scripts based on metric items created in Step 3.

For details about the operation method, refer to [Report metric data](#).

## Delete a custom metric item

Log on to Cloud Monitor console.

Click **Metrics total** in the **Customized monitor** menu to go to the **Customized Monitoring** page.

Click the **Delete** button corresponding to a metric item in the metric item list to delete the metric item.

# Use the alarm service

## Application scenario

The alarm service reports alarms on metric data. You can set alarm rules to specify how the alarm system checks metric data and sends alarms when metric data triggers alarms.

Setting alarm rules for important metrics allows you to immediately know about metric data exceptions and quickly troubleshoot them.

### Note:

There is a silent period for alarm rules. When exceptions occur on alarm rules, alarms will be sent only once in 24 hours to avoid alarm storms.

By default, Cloud Monitor adds the contact you specify in account registration as the alarm contact and create an alarm contact group for this person.

## Operation procedure

Log on to Cloud Monitor console.

Create Add alarm contact and alarm contact group.

For details about how to add a contact and contact group, refer to [Alarm contact and alarm contact group](#).

Create alarm rules.

All monitoring functions of Cloud Monitor allows you to set alarm rules. For details about the operation procedure, refer to the user guide for each product.