

CloudMonitor

Quick Start

Quick Start

Use dashboards

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

View dashboards

Application scenario

You can quickly learn about the monitoring data of various cloud product instances through dashboards, so you can understand the resource usage of various cloud products.

Note:

By default, CloudMonitor initializes **ECS Global Dashboard** and displays ECS monitoring data.

You can add monitoring metrics of other cloud products in a custom manner.

Operation procedure

Log on to the CloudMonitor console.

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

By default, **ECS Global Dashboard** initialized by CloudMonitor is displayed.

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

Create a 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 the 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 the CloudMonitor console.

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

In the top-right corner of the page, click **Create Monitoring Dashboard**.

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 CloudMonitor API, you can add a monitoring chart to display the monitoring data in a visualized manner.

Operation procedure

- Add cloud product metrics
- Add business metrics monitoring

Switch 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 the CloudMonitor 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 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 monitoring 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 the CloudMonitor console.

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

In the top-right corner of the page, click **Delete Current Dashboard** button to delete the

dashboard.

Modify a 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 the CloudMonitor 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.

Application Group

Application scenarios

Resource management from the business perspective

Application groups allow enterprise users to categorize resources under their cloud accounts and query monitoring and alarm information from the business perspective.

Routine inspection and quick fault identification

Application groups provide a range of functions including group health measurement, fault resource list, and group resource monitoring dashboard, allowing you to inspect the resource periodically on a daily basis and quickly locate fault resources and identify the cause after receiving an alarm.

Resource efficiency improvement

Application groups support multidimensional aggregation and display of monitoring data, so you can query the monitoring data of group aggregation and that of a single instance in order to quickly locate resource hotspots.

Feature overview

Application groups allow you to manage your cloud resources across products and regions from the business perspective.

You need to configure only one alarm rule to manage the resources of the entire group, quickly improving O&M efficiency and removing the need to set alarm rules for individual instances.

A fault list is provided, allowing you to identify any fault instance quickly.

The group details page provides custom monitoring charts, allowing you to display group monitoring data based on your needs.

Procedure

Log on to the CloudMonitor Console.

Select **Application Group** in the left-side menu to go to the **Application Group** page.

Click **Create Application Group** in the upper-right corner to go to the edit page.

Fill in the group name.

Select the product to be added.

By default, ECS and RDS are initialized. You can click **Add Product** and **Delete Product** to set the product range of the group.

Select the instances to be added to the group from the instance list of the product.

Select alarm notification objects.

Select **Initialization Alarm Rule** based on your needs.

Click **OK** to save the application group settings.

Host Monitoring

Application scenarios

Hybrid cloud monitoring solution

CloudMonitor uses an agent to collect server monitoring data. You can install the agent on a non-ECS server for basic monitoring on and off the cloud.

Enterprise-level monitoring solution

Host monitoring provides the application grouping feature, allowing you to allocate servers in different regions to the same group for server management from the business perspective. Host monitoring supports group-based alarm management. You need to configure only one alarm rule for the entire group, greatly improving O&M efficiency and management experience.

Function overview

Diverse monitor metrics

After you install the CloudMonitor agent in one step, you can use more than 30 monitor metrics. For a full list of monitoring metrics, [click here](#).

Refined collection frequency

Key monitoring metrics are collected every second, and all monitoring metrics are reported every 15 seconds. That is, the minimum time interval between the data points in a monitoring chart is 15 seconds.

Service-level process monitoring

The host monitoring service collects statistics on the CPU usage and memory usage of active processes and the number of opened files, allowing you to know information about server resource allocation. For details, click [here](#).

Application grouping

You can manage servers by group across regions and set alarm rules in the group dimension, greatly reducing monitoring management costs.

Alarm service

You can set alarm rules for monitoring metrics and send alarm notifications by SMS, email, TradeManager, and message queue.

Procedure

Log on to the CloudMonitor console.

Select **Host Monitoring** in the left-side menu to go to the **Host Monitoring** page.

Click **Click to install** in the instance list to install the CloudMonitor agent.

You can also click **Add Monitor Host Hint** in the upper-right corner to learn how to install the agent manually.

Wait for 1 to 3 minutes and then click **Monitoring Chart** in the instance list to view monitoring data.

Cloud Service Monitoring

Application scenario

You can query performance metrics 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, CloudMonitor supports the following products.

- ECS
- ApsaraDB for RDS
- Server Load Balancer
- OSS
- CDN
- Elastic public network IP address
- ApsaraDB for Redis
- ApsaraDB for Memcache
- Container Service
- Message Service
- API Gateway
- Auto Scaling
- Express Connect

Operation procedure

Log on to the CloudMonitor 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.

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 notifications when alarms are triggered.

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, CloudMonitor 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 CloudMonitor console.

Create alarm contacts and alarm contact groups.

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

Create alarm rules.

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