

# Alibaba Cloud

## FunctionFlow Monitoring Metrics

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# Document conventions

Style	Description	Example
 <b>Danger</b>	A danger notice indicates a situation that will cause major system changes, faults, physical injuries, and other adverse results.	 <b>Danger:</b> Resetting will result in the loss of user configuration data.
 <b>Warning</b>	A warning notice indicates a situation that may cause major system changes, faults, physical injuries, and other adverse results.	 <b>Warning:</b> Restarting will cause business interruption. About 10 minutes are required to restart an instance.
 <b>Notice</b>	A caution notice indicates warning information, supplementary instructions, and other content that the user must understand.	 <b>Notice:</b> If the weight is set to 0, the server no longer receives new requests.
 <b>Note</b>	A note indicates supplemental instructions, best practices, tips, and other content.	 <b>Note:</b> You can use Ctrl + A to select all files.
>	Closing angle brackets are used to indicate a multi-level menu cascade.	Click <b>Settings&gt; Network&gt; Set network type</b> .
<b>Bold</b>	<b>Bold</b> formatting is used for buttons, menus, page names, and other UI elements.	Click <b>OK</b> .
<b>Courier font</b>	Courier font is used for commands	Run the <code>cd /d C:/window</code> command to enter the Windows system folder.
<i>Italic</i>	Italic formatting is used for parameters and variables.	<code>bae log list --instanceid</code> <i>Instance_ID</i>
[ ] or [a b]	This format is used for an optional value, where only one item can be selected.	<code>ipconfig [-all -t]</code>
{ } or {a b}	This format is used for a required value, where only one item can be selected.	<code>switch {active stand}</code>

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# 1.View metrics and configure alerts

Cloud Monitor allows you to view the metrics and configure alerts of Serverless workflow.

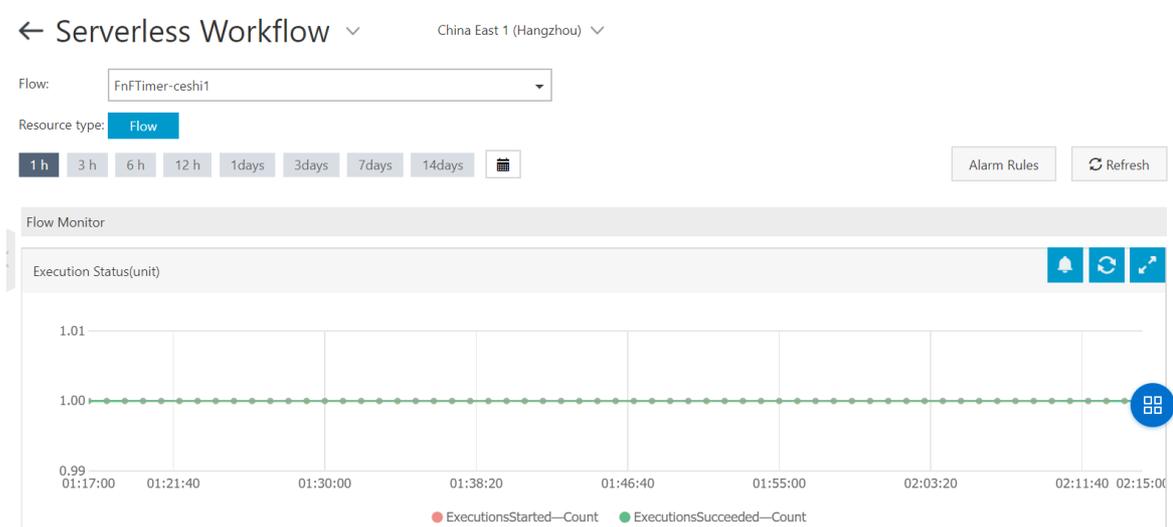
## View metrics

The **Cloud Monitor console** provides two methods to view the metrics of a flow. You can select a proper method as needed.

### Method 1: Dashboards

Dashboards provide default metric charts.

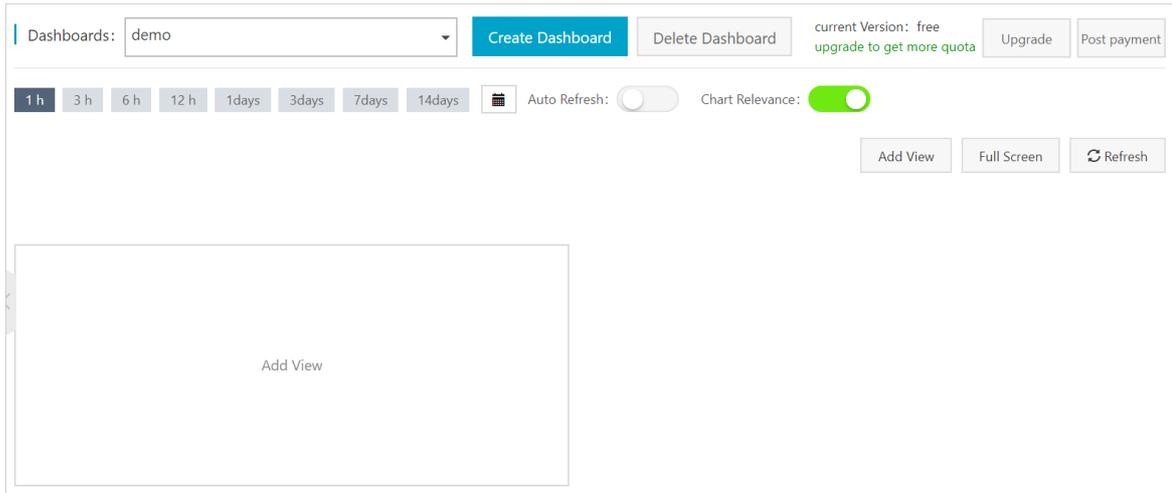
1. Log on to the Cloud Monitor console. In the left-side navigation pane, choose **Dashboard > Dashboards**. On the page that appears, set Product to **Serverless Workflow**.
2. Set the region and name next to **Resource Type**. Then you can view the metrics of the resource.



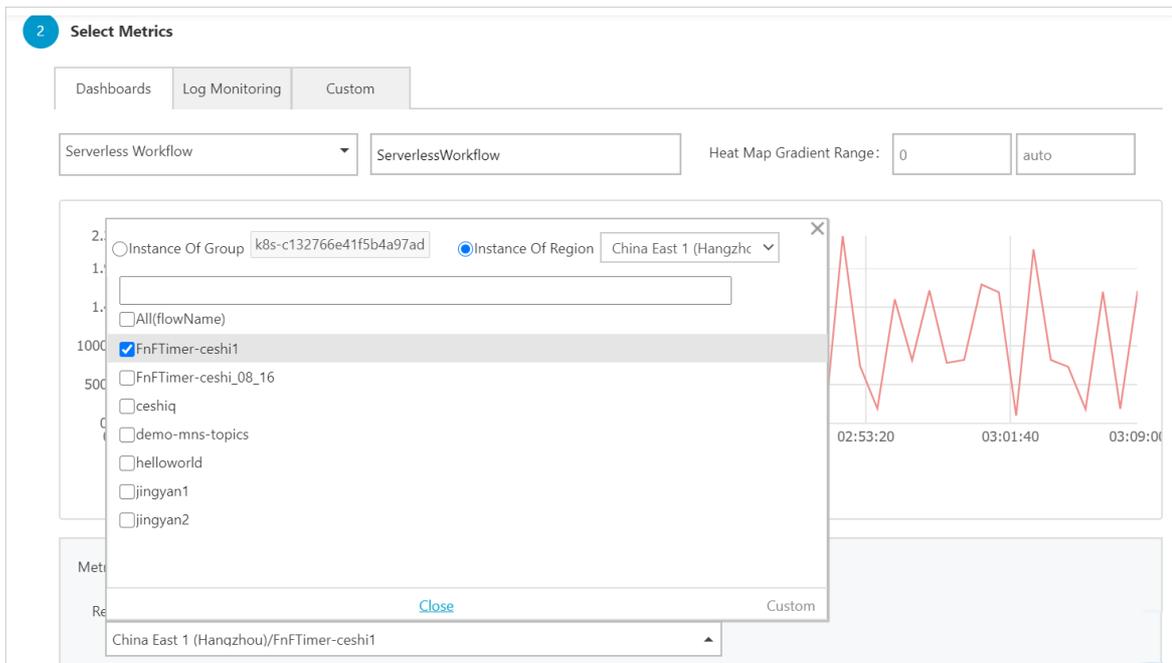
### Method 2: Custom Dashboard

If you have configured a Cloud Monitor dashboard, you can directly configure a new monitoring chart by selecting the metrics to be monitored and the name of the corresponding flow. The following procedure shows how to perform configuration when you use Cloud Monitor for the first time.

1. Log on to the Cloud Monitor console. In the left-side navigation pane, choose **Dashboard > Custom Dashboard**. On the page that appears, click **Create Dashboard**. In the Create Dashboard dialog box, enter a custom name and click **Create**. A dashboard is created.



2. On the created dashboard, click **Add View**. Select **Line** for **Chart Type**. In the **Select Metrics** section, select a metric to be monitored, such as **ExecutionsStarted**, from the **Metrics** drop-down list, and select a flow to be displayed in the chart from the **Resource** drop-down list by **Instance Of Region** or **Instance Of Group**.



3. Click **Save**. You can view the metric curve of this flow on the dashboard. Repeat the preceding steps to add multiple charts to display different metrics of other flows.

## Configure alerts

This section describes how to configure alerts for a flow. For example, you can trigger an alert upon a specific number of flow execution failures. You must set alert contacts before configuring alerts. For more information about the alert configuration, see [Alert service](#).

1. Log on to the Cloud Monitor console. In the left-side navigation pane, click **Application Groups**. On the Application Groups page, click **Create Group**. In the Create Group pane, set **Product Group Name** and **Contact Group** and click **Create Group**.

**Create Group**

**Creation method**

Smart tag synchronization creation <sup>?</sup>  Standard Group creation <sup>?</sup>  Smart Instance Rule Creation <sup>?</sup>

**Basic Information**

• Product Group Name  
fnf-demo

• Contact Group  
test <sup>?</sup> [Quickly create a contact group](#)

**MonitorAlarm**

Select Template  
Please select <sup>?</sup> [Go to Create Alarm Template](#)

Muted  
24 h <sup>?</sup>

Initialize Agent Installation <sup>?</sup>

**Create Group** **Cancel**

2. On the page of the new group, click **Add Product** on the right. In the **AddResource** pane, set **Products** to **Serverless Workflow**, select instances to be monitored, and then click **Confirm**.

**AddResource**

**Products**  
Serverless Workflow

**Add Instance**

Enter   Region: China East 1 (Hangzhou)

<input type="checkbox"/>	Name
<input checked="" type="checkbox"/>	FnFTimer-ceshi1
<input checked="" type="checkbox"/>	FnFTimer-ceshi_08_16
<input type="checkbox"/>	ceshiq
<input type="checkbox"/>	demo-mns-topics
<input type="checkbox"/>	helloworld
<input type="checkbox"/>	jingyan1
<input type="checkbox"/>	jingyan2

**Confirm** **Cancel**

3. In the left-side navigation pane, click **Alarm Rules**. On the **Threshold Value Alarm** tab, click **Create Alarm Rule**. In the **Add or Edit Rules** pane, click **Add Rules** to create a rule. If you have not created a contact group, you must create one first. For more information, see [Create an alert contact or alert group](#). Set **Metric Name** and **Threshold** and **Notification Methods**, and click **Add**.

>
Add or Edit Rules

Product Type  

Serverless Workflow ▾

**Rule**

Rule Name	Rule Description	Resource Description
<span style="color: red;">●</span> Please add one rule at least		
<span style="color: blue;">+</span> Add Rules		
<span style="color: red;">●</span> Rule Name <div style="border: 1px solid #ccc; padding: 2px; width: 150px; margin-top: 2px;">Enter</div>	<a href="#">Value Reference</a>	
Metric Name <div style="border: 1px solid #ccc; padding: 2px; width: 150px; margin-top: 2px;">ExecutionExecTimeMs ▾</div>		
Threshold and <div style="border: 1px solid #ccc; padding: 2px; width: 100px; margin-top: 2px;">&gt;= ▾</div>	Drop down to show more options	
Notification Methods		
<div style="border: 1px solid #ccc; padding: 2px; width: 100px; margin-bottom: 2px;">Critical</div>	<div style="border: 1px solid #ccc; padding: 2px; width: 100px; margin-bottom: 2px;"></div>	<div style="border: 1px solid #ccc; padding: 2px; width: 100px; margin-bottom: 2px;">Ms</div>
		<div style="border: 1px solid #ccc; padding: 2px; width: 150px; margin-bottom: 2px;">Continue for 5 periods(1Period... ▾</div>
(Phone + Text Message + Email + DingTalk)		
<div style="border: 1px solid #ccc; padding: 2px; width: 100px; margin-bottom: 2px;">Warning</div>	<div style="border: 1px solid #ccc; padding: 2px; width: 100px; margin-bottom: 2px;"></div>	<div style="border: 1px solid #ccc; padding: 2px; width: 100px; margin-bottom: 2px;">Ms</div>
		<div style="border: 1px solid #ccc; padding: 2px; width: 150px; margin-bottom: 2px;">Continue for 5 periods(1Period... ▾</div>
(Text Message + Email + DingTalk)		
<div style="border: 1px solid #ccc; padding: 2px; width: 100px; margin-bottom: 2px;">Info</div>	<div style="border: 1px solid #ccc; padding: 2px; width: 100px; margin-bottom: 2px;"></div>	<div style="border: 1px solid #ccc; padding: 2px; width: 100px; margin-bottom: 2px;">Ms</div>
		<div style="border: 1px solid #ccc; padding: 2px; width: 150px; margin-bottom: 2px;">Continue for 5 periods(1Period... ▾</div>
(Email + DingTalk)		
More than one can be set at the same time		

OK
Cancel

4. When the configured alert is triggered, Cloud Monitor sends alert information to the contacts.

## 2. Metrics

This topic describes the metrics that you can use to view the execution of a flow.

Serverless workflow is connected to Cloud Monitor. For more information about the metrics of flow executions, log on to the [Cloud Monitor console](#).

The provided metrics are aggregated by minute in the flow dimension to describe the execution of a flow in a region. The following table lists the metrics.

Metric	Unit	Description
ExecutionsStarted	count/min	The number of times that a flow is started within one minute, which is the same as the number of eventType=StartExecution events in flow executions in the Serverless workflow console.
ExecutionsSucceeded	count/min	The number of times that a flow is successful within one minute, which is the same as the number of eventType=ExecutionSucceeded events in flow executions in the Serverless workflow console.
ExecutionsFailed	count/min	The number of times that a flow fails within one minute, which is the same as the number of eventType=ExecutionFailed events in flow executions in the Serverless workflow console.
ExecutionsStopped	count/min	The number of times that a flow stops within one minute, which is the same as the number of eventType=ExecutionStopped events in flow executions in the Serverless workflow console.

Metric	Unit	Description
ExecutionsTimedOut	count/min	The number of times that a flow times out within one minute, which is the same as the number of eventType=ExecutionTimedOut events in flow executions in the Serverless workflow console.
StepTransitions	count/min	The number of step transitions in a flow within one minute, which is the same as the number of eventType=StepEntered events in flow executions in the Serverless workflow console. For more information about step transitions, see <a href="#">Pricing</a> .
ExecutionExecTimeMs	ms	The execution period of a flow.