

# **TencentCloud Managed Service for Prometheus Getting Started Product Documentation**



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# Getting Started

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## Feature Overview

TMP provides the highly available Prometheus service as well as the open-source visualization tool Grafana while inheriting the monitoring capabilities of the open-source Prometheus, which reduce your development and Ops costs.

### Note:

If you have already created a [TKE](#) cluster, you can create a TMP instance in the [TMP console](#) and install the Prometheus monitoring plugin to monitor the cluster. In addition, TMP is integrated with Grafana and predefined dashboards for you to view performance metric data in different dimensions.

## Prerequisites

Create a [TKE cluster](#).

### Step 1. Create a TMP instance

1. Log in to the [TMP console](#).
2. Click **Create** to enter the purchase page and purchase an instance as needed. For more information, see [Creating Instance](#).

### Step 2. Integrate with TKE

1. In the TMP instance list, click the **ID/Name** of the newly created instance.
2. Go to the TMP management center and click **Integrate with TKE** on the left sidebar.
3. Perform the following operations on the cluster monitoring page.

Associate a cluster: Associate a cluster with a TMP instance as instructed in [Associating with Cluster](#).

Configure data collection: Configure a data collection rule to monitor your business data by adding the configuration in the console or via a YAML file.

Streamline basic monitoring metrics: Select only the required metrics to avoid unnecessary fees as instructed in [Streamlining Monitoring Metrics](#).










### Step 3. Integrating a service

To facilitate access, TMP integrates commonly used development languages, middleware, and big data. You only need to follow the instructions to monitor the corresponding components. It also provides out-of-the-box Grafana monitoring dashboards.

**Integration Center**

Search for access mode by keyword

Category: All Middleware Big Data Application Infrastructure Database

 <p><b>Consul</b> Consul monitoring</p> <p>Quick Installation   Custom Installation</p> <p>Dashboard Operation ▾</p>	 <p><b>ElasticSearch</b> ElasticSearch monitoring, including cluster/index/node monitoring</p> <p>Quick Installation   Custom Installation</p> <p>Dashboard Operation ▾</p>	 <p><b>Flink</b> Flink monitoring, including cluster/job/task monitoring</p> <p>Custom Installation   Dashboard Operation</p>
 <p><b>JVM</b> JVM monitoring, including heap/thread/GC/CPU/file monitoring</p> <p>Custom Installation   Dashboard Operation ▾</p>	 <p><b>Kafka</b> Kafka monitoring, including broker/topic/consumer group monitoring</p> <p>Quick Installation   Custom Installation</p> <p>Dashboard Operation ▾</p>	 <p><b>Kubernetes</b> Kubernetes monitoring, including API server/DNS/network monitoring</p> <p>Custom Installation   Dashboard Operation</p>
 <p><b>MongoDB</b> MongoDB instance monitoring, including file count/read and write performance/network traffic monitoring</p> <p>Quick Installation   Custom Installation</p> <p>Dashboard Operation ▾</p>	 <p><b>MySQL</b> MySQL instance monitoring, including network/connection count/slow query monitoring</p> <p>Quick Installation   Custom Installation</p> <p>Dashboard Operation ▾</p>	 <p><b>PostgreSQL</b> PostgreSQL instance monitoring, including CPU/transaction/lock/read/write monitoring</p> <p>Quick Installation   Custom Installation</p> <p>Dashboard Operation ▾</p>

## Step 4. View monitoring data in Grafana

TMP offers the out-of-the-box Grafana service. It also integrates a wealth of dashboards for Kubernetes basic monitoring and common service monitoring, which can be quickly used.

1. In the [TMP instance](#) list, find the corresponding TMP instance, click

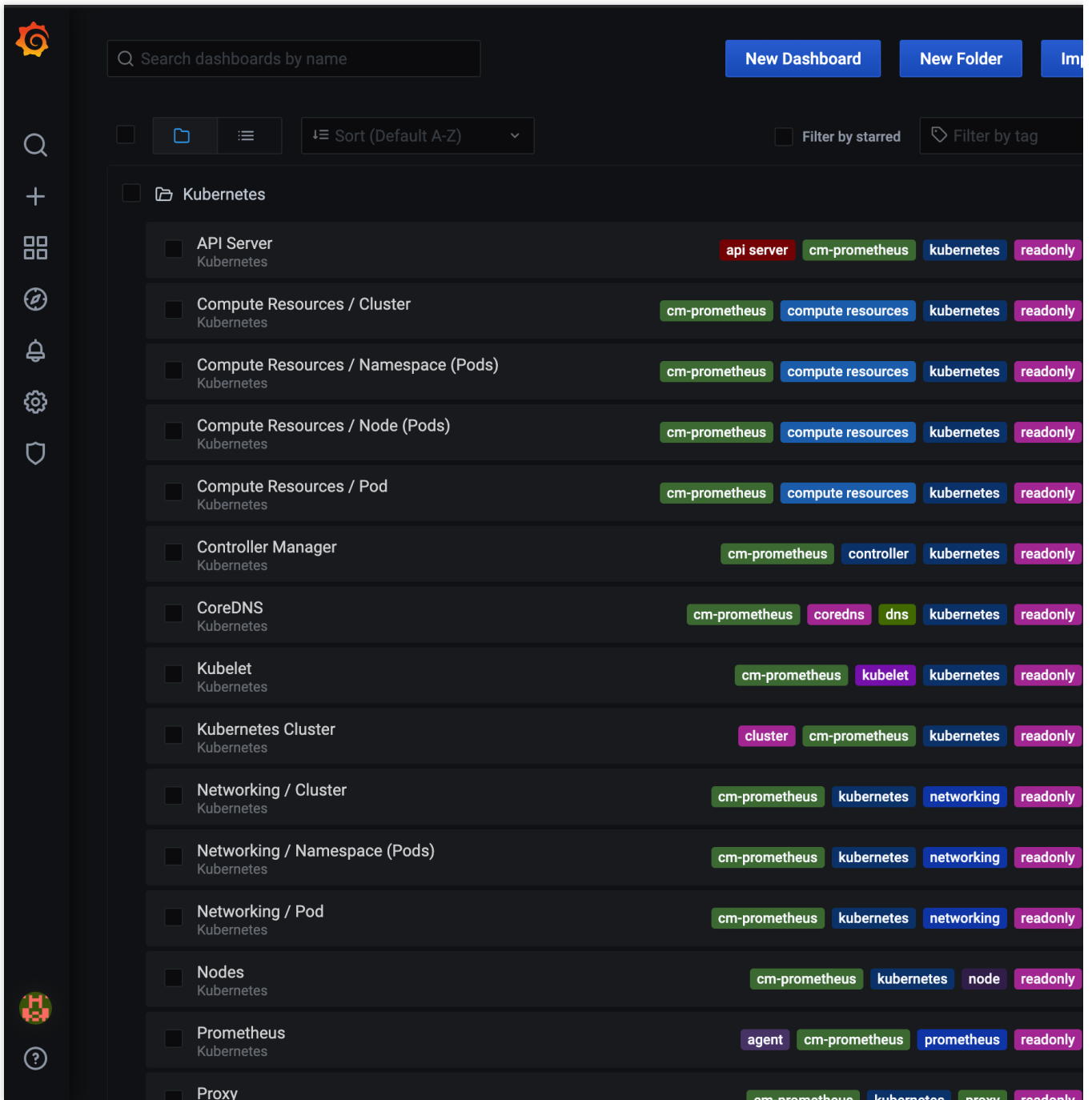


on the right of the instance ID to open your Grafana page, and enter your account and password to access the Grafana visual dashboard operation section.

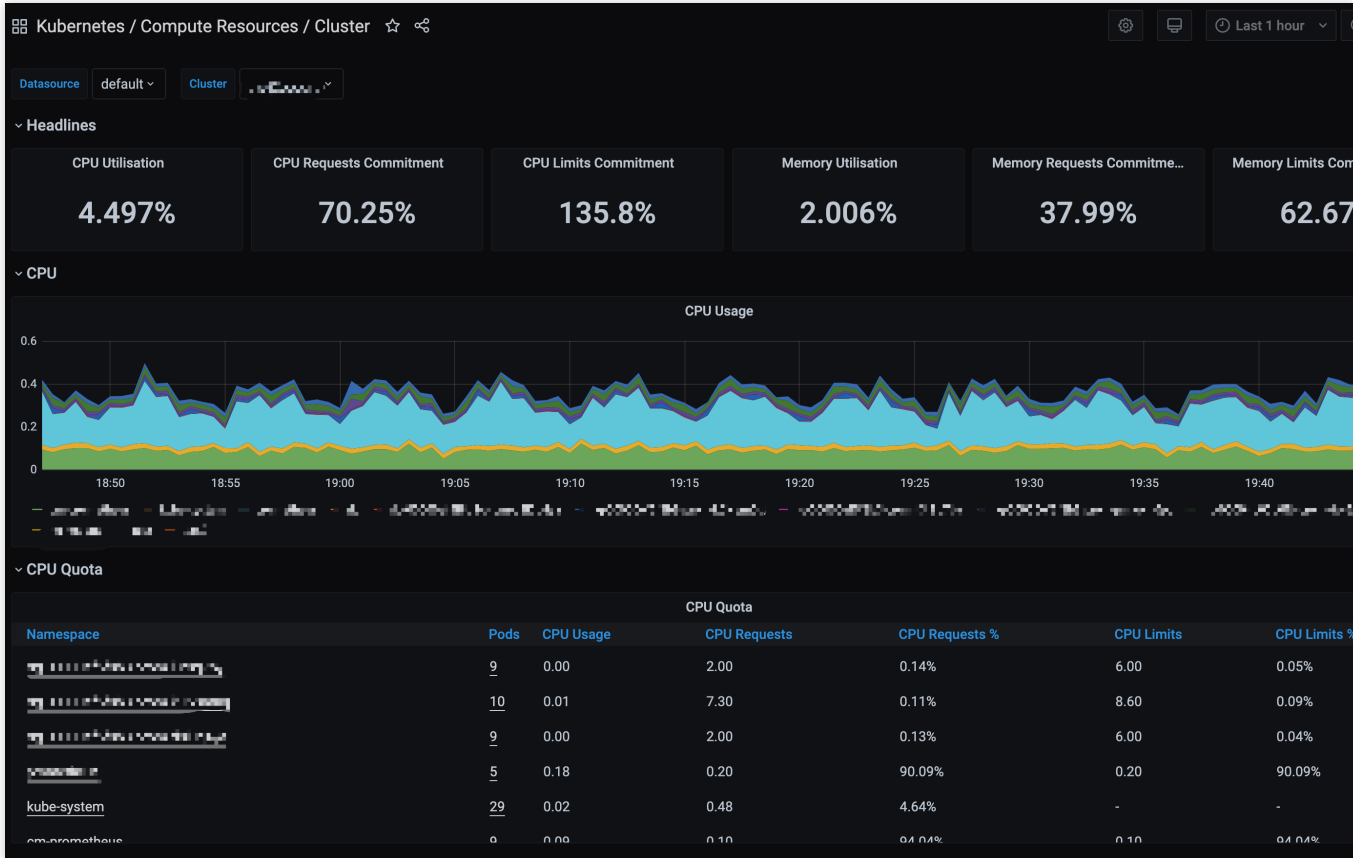
2. Enter Grafana and click



to expand the monitoring panel.



3. Click the name of the corresponding monitoring chart to view the monitoring data.



**Note:**  
For more information on how to use Grafana, see [Get started](#).