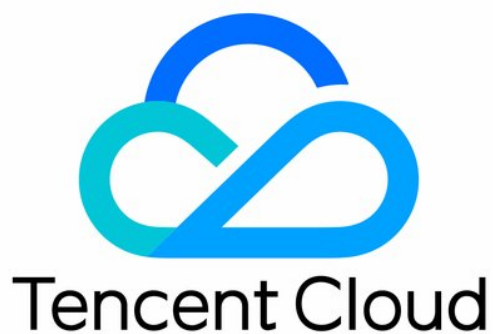


# **Tencent Managed Service for Prometheus Getting Started Product Documentation**



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# Getting Started

## Using TMP Quickly

Last updated : 2022-08-23 11:26:29

### 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.


The screenshot displays the 'Integration Center' interface. At the top, there is a search bar labeled 'Search for access mode by keyword' and a category filter set to 'All'. Below the search bar, there are tabs for 'Middleware', 'Big Data', 'Application', 'Infrastructure', and 'Database'. The main area is a grid of service cards, each representing a different technology with its logo, name, and a brief description of the monitoring capabilities. Each card also includes buttons for 'Quick Installation', 'Custom Installation', and 'Dashboard Operation'.

Service	Monitoring Capabilities	Quick Installation	Custom Installation	Dashboard Operation
Consul	Consul monitoring	Yes	Yes	Yes
ElasticSearch	ElasticSearch monitoring, including cluster/index/node monitoring	Yes	Yes	Yes
Flink	Flink monitoring, including cluster/job/task monitoring	No	Yes	Yes
Golang	Golang Runtime monitoring, including GC/heap/thread/Goroutine monitoring	No	Yes	Yes
JVM	JVM monitoring, including heap/thread/GC/CPU/file monitoring	No	Yes	Yes
Kafka	Kafka monitoring, including broker/topic/consumer group monitoring	Yes	Yes	Yes
Kubernetes	Kubernetes monitoring, including API server/DNS/workload/network monitoring	No	Yes	Yes
Memcached	Memcached monitoring	Yes	Yes	Yes
MongoDB	MongoDB instance monitoring, including file count/read and write performance/network traffic monitoring	Yes	Yes	Yes
MySQL	MySQL instance monitoring, including network/connection count/slow query monitoring	Yes	Yes	Yes
PostgreSQL	PostgreSQL instance monitoring, including CPU/memory/transaction/lock/read/write monitoring	Yes	Yes	Yes
Redis	Redis instance monitoring, including CPU utilization/connection count/command execution monitoring	Yes	Yes	Yes

### Step 4. View monitoring data in Grafana

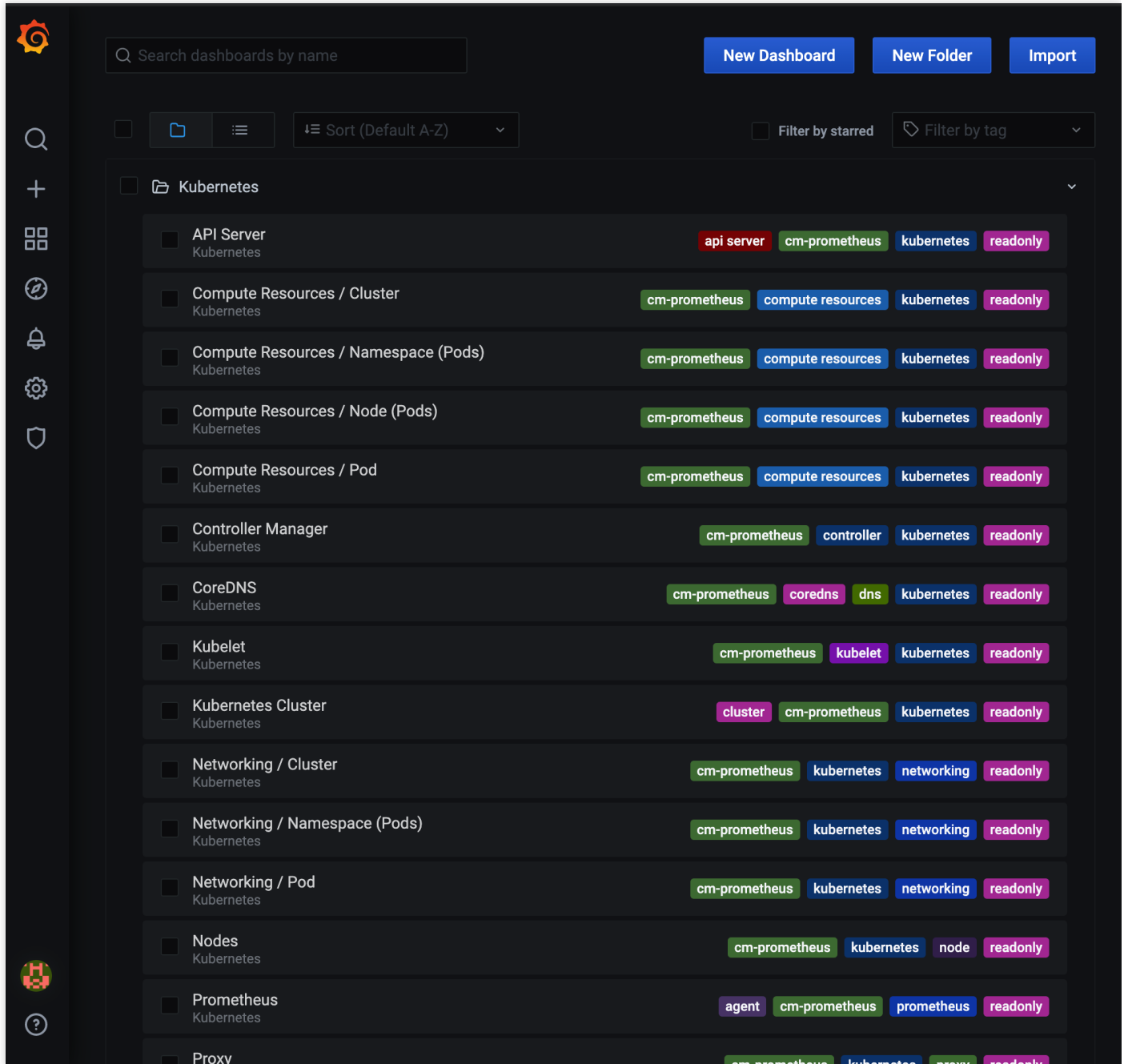
TMP offers the out-of-the-box Grafana service. It also integrates a wealth of dashboards for Kubernetes basic monitoring and common service monitoring, which can be quickly used.



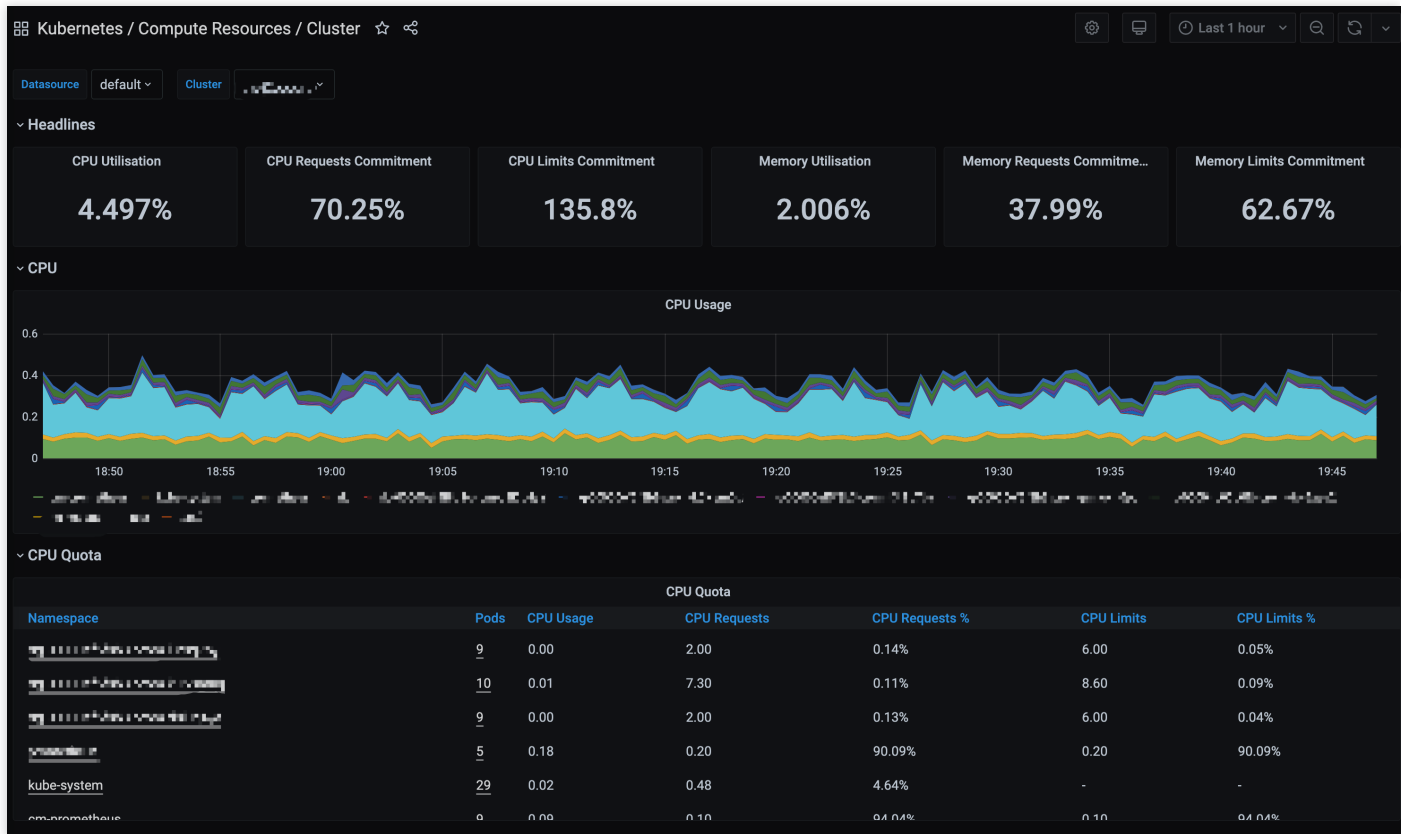
1. In the [TMP instance](#) list, find the corresponding TMP instance, click  on the right of the instance ID to open your Grafana page, and enter your account and password to access the Grafana visual dashboard operation section.



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](#).