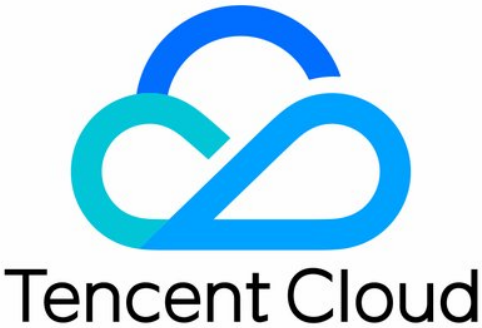
Tencent Cloud Observability Platform

Grafana

Product Documentation



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Contents

Grafana
Product Introduction
Overview
Strengths
Use Cases

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Grafana
Product Introduction
Overview

Last updated：2024-11-01 20:29:07

TencentCloud Managed Service for Grafana (TCMG) is a managed service developed by Tencent Cloud based on Grafana, a popular open-source visualization project, in collaboration with Grafana Lab. It provides secure and OPS-free Grafana capabilities, various built-in Tencent Cloud and third-party data source plugins such as TMP, TKE, CLS, Graphite, and InfluxDB, and eventually implements unified data visualization.

Grafana Overview

Grafana is a cross-platform open-source visualization and analysis tool. As one of the most popular time series data display tools in network architecture and application analysis, it is mostly used to visually display large numbers of metric data.

Features

It provides easy-to-use client charts and rich dashboard plugins to make complex data more intuitively understandable.
It supports multiple data sources with different time series, including Graphite, InfluxDB, OpenTSDB, Prometheus, and Elasticsearch.
It can centrally display the data of the same business from different data sources on the same dashboard.
It allows you to quickly share dashboards for efficient collaboration on data analysis and troubleshooting.

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Strengths

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High Security and Reliability

TCMG is integrated with Tencent Cloud SSO and leverages Tencent Cloud authentication capabilities such as MFA for fine-grained control of dashboards and monitoring data security. In addition, it supports access over both private and public networks with the aid of VPC, which further enhances Grafana's overall security.

Unified Visualization of Multiple Data Sources

TCMG is preconfigured with a wide variety of Tencent Cloud data source plugins for quick connection to CM, TMP, CLS, ES, etc. It also retains Grafana's open-source capability of interconnecting with third-party data sources such as Graphite and InfluxDB for centralized data display and management.

Low Costs

TCMG automatically builds, installs, deploys, upgrades, and manages Grafana for you, greatly reducing your OPS costs. Its preset remote image rendering service saves your costs on server setup and management. Moreover, it is preset with Tencent Cloud monitoring dashboards and plugins to provide you with out-of-the-box service.

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Use Cases

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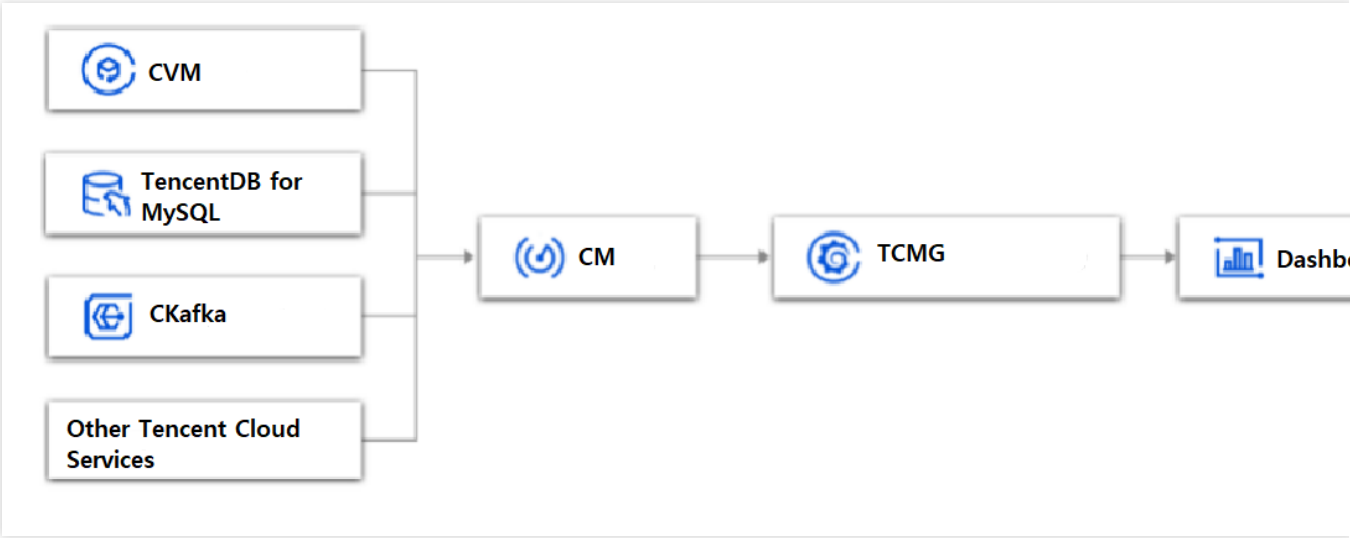
Tencent Cloud Service Data Visualization

TCMG can work together with preset CM plugins to visualize data of various cloud services in CM, such as CVM, TencentDB, CKafka, and Redis.



Full-Stack Visual Monitoring

TCMG can be connected to TMP or self-built Prometheus service to actualize full-stack monitoring from technical architecture to component to custom business.

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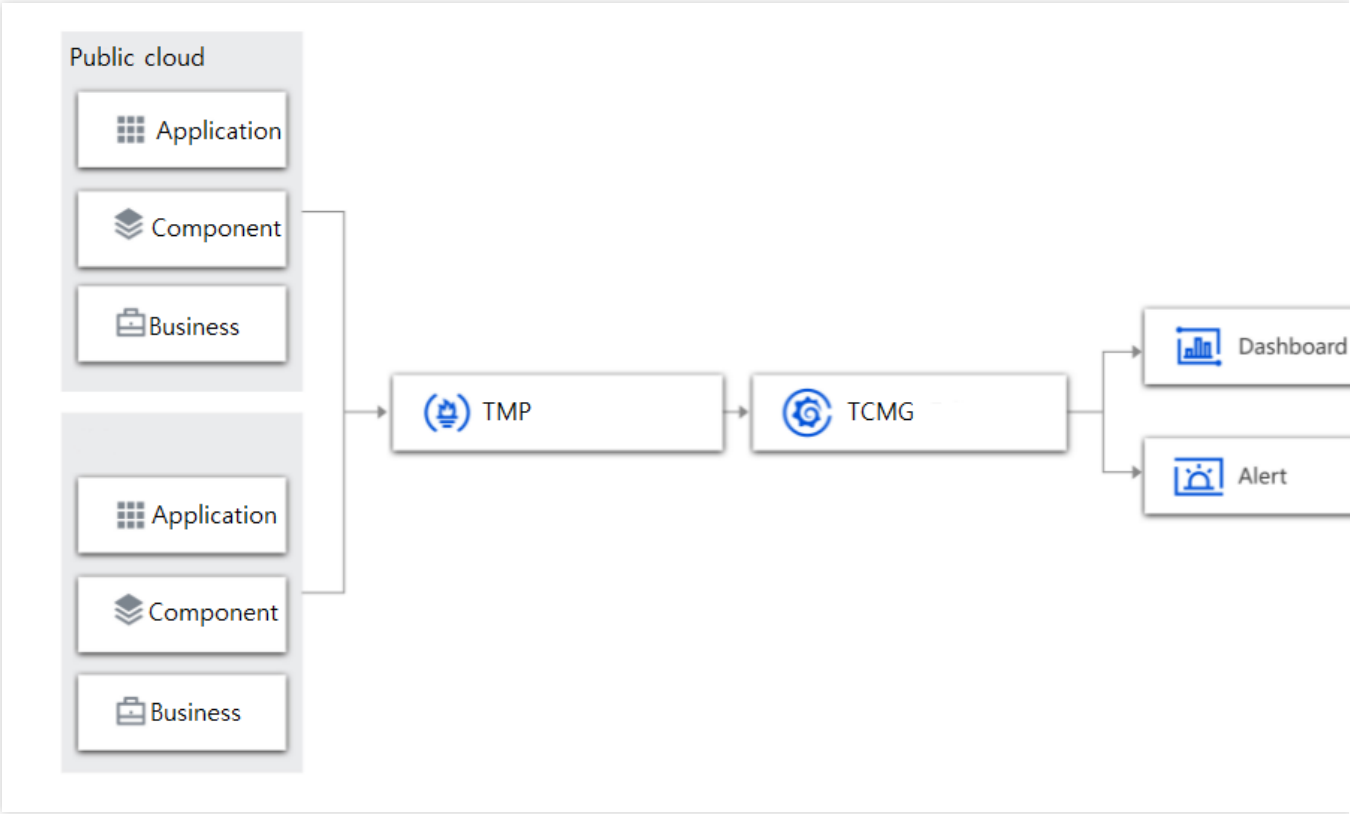
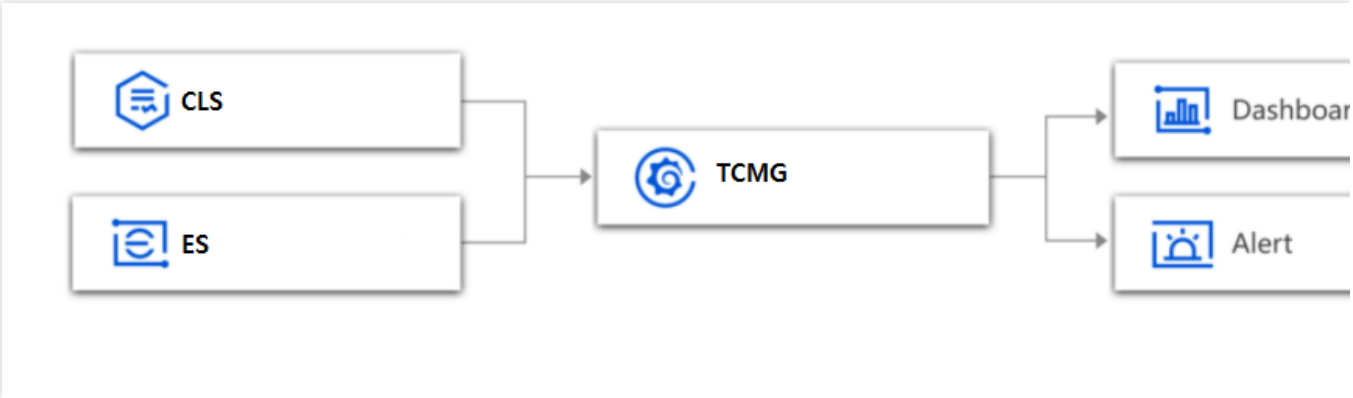


Log Data Visualization

TCMG can be connected to ES and CLS to visualize log data.



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