



Grafana with Influxdb

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AGENDA

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Grafana

Grafana is an open-source, web-based platform used for monitoring, visualization, and observability of data from various sources.

Features

Data Visualization

Data Sources:

Alerting and Notification

User-Friendly UI

Real-Time Monitoring

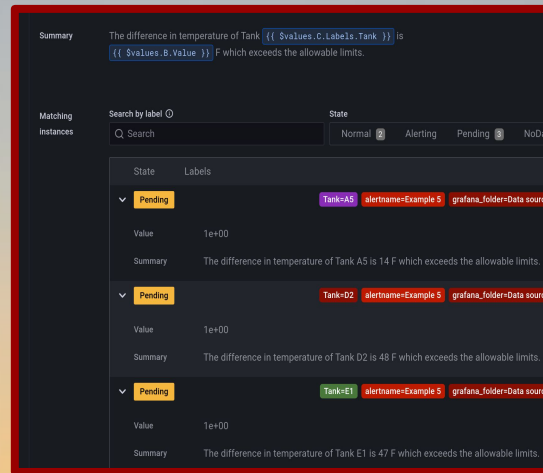




Data Visualization



Data Sources



Alerting

InfluxDB

InfluxDB is an open-source, high-performance time-series database designed for efficiently storing, querying, and visualizing time-stamped data.

Features:

Time-Series Data

SQL-like Query Language

High Write and Query Performance

Scalability

Community and Integrations



Architecture

Grafana and InfluxDB Diagram

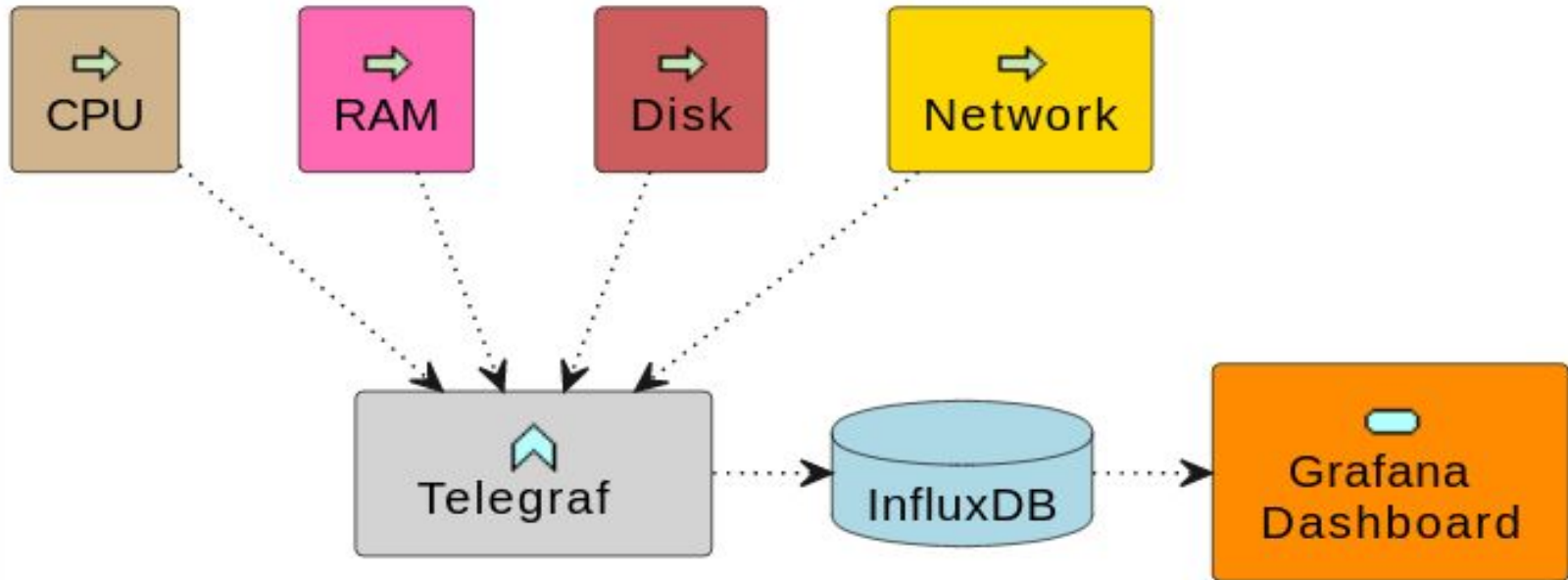


Diagram Explanation

CPU: The CPU (central processing unit) is the brain of the computer. It is responsible for executing instructions and processing data.

RAM: RAM (random access memory) is the main memory of the computer. It stores data and instructions that the CPU needs to access quickly.

Disk: The disk is a permanent storage device. It is used to store data that needs to be persisted even when the computer is turned off.

Network: The network allows the computer to communicate with other devices.

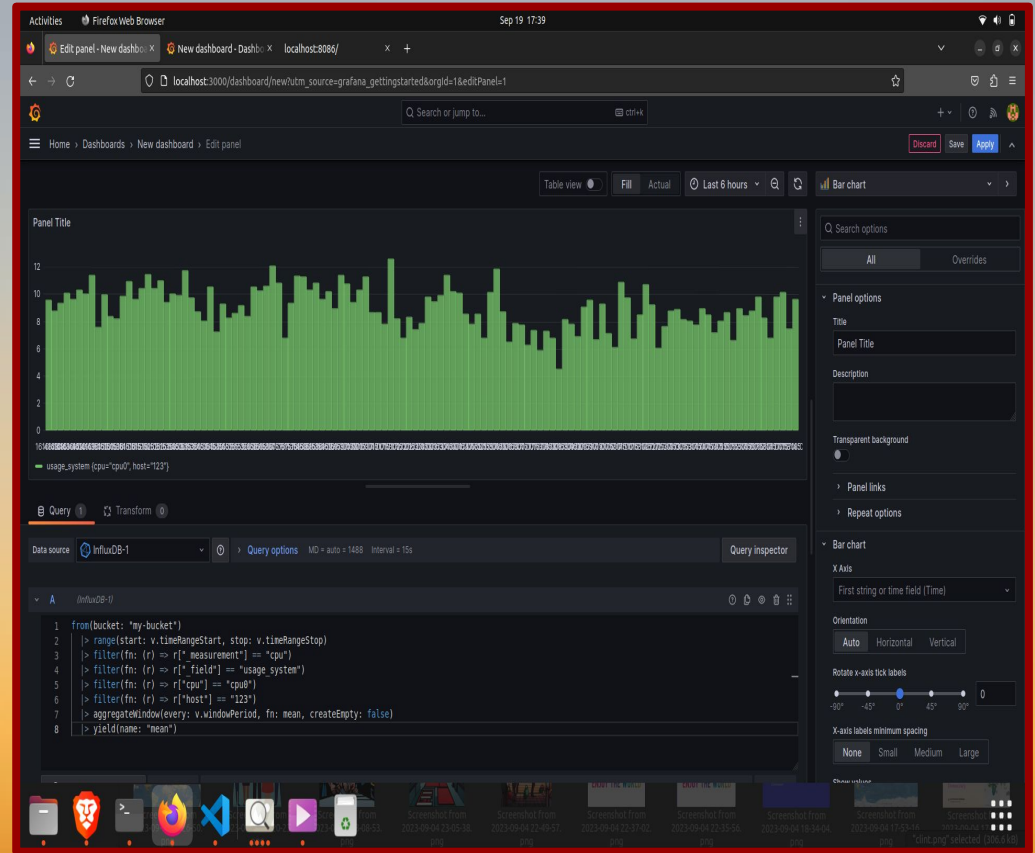
Telegraf: Telegraf is a collection agent that collects metrics from systems and services.

InfluxDB: InfluxDB is a time series database that is optimized for storing and querying metrics data.

Grafana: Grafana is a data visualization tool that can be used to create dashboards to visualize the metrics stored in InfluxDB.

Creating Dashboard

1. Click "+" > "Dashboard."
2. Add a panel: Click "Add new panel."
3. Configure the panel:
 - Choose InfluxDB data source.
 - Write an InfluxQL query.
 - Select visualization type.
 - Customize panel settings.
4. Click "Apply" to add the panel to your dashboard.



DEMO



Conclusion

"In summary, Grafana and InfluxDB together make a powerful tool for monitoring and visualizing data. They help you understand your systems in real-time, create customized dashboards, and make data-driven decisions. Using this combo can improve your infrastructure's efficiency."

Thank You

