Grafana basics

1. DevOps Lifecycle

a. Continuous development
b. Continuous Integration
c. Continuous Testing
d. Continuous Development
e. Continuous Monitoring

It is an automated process by which one can observe and detect compliance issues and security threats during each phase of the DevOps pipeline.

2. Need for Continous Monitoring

a. Better network visibility & Transparency
b. Facilitates Rapid Responses
c. Minimizes System Downtime
d. Assists with Healthy Business performance

3. Continuous monitoring tools in DevOps

a. Monitoring Tools
- Sensu
- Nagios
- Prometheus

b. Configuration Management Tools
- Ansible
- CHEF
- Puppet

c. Alerting Tools
- PagerDuty
- Servicenow
- Slack

d. Metric Storage
- Influxdb
- Splunk
- aws

e. Visualization Tools
- Grafana

4. Garfana

Garfana is a multi-platform open-source analytics and interactive visualization web application.it provides:

- Charts
- Graph
- Alerts

5. Features

- Visualize

  Grafana has a plethora of visualization options to help you understand your data.

- Alert

  Seamlessly define alert where it makes sense - while you're in the data

- Unify

  Grafana supports dozens of databases, natively. Mix them in the same dashboard.

- Open-source

  Grafana's completely open-source and backed by a vibrant community.

- Extend

  Discover hundreds of dashboards and plugins in the official library.

- Collaborate

  Bring everyone together, and share data and dashboards across teams

  Links:-https://www.youtube.com/watch?v=w-c3KYKQQfs

Influxdb basics

1.Introduction

Influxdata is a platform for storing, collecting, visualizing, and managing time-series data. Currently, Influxdb is the most famous time-series database.

Time series data:-Time series data is a collection of observations obtained through repeated measurements over time.

links:-https://csetutorials.com/influxdb-tutorial.html
https://www.opensourceforu.com/2016/12/introduction-influxdb-time-series-database/