

Grafana Advanced

Course Outline

- Introduction to Grafana
- Grafana Setup
 - Docker
 - Kubernetes
 - HA Setup
- Grafana Configuration
 - Basic global configuration
 - Postgres DB (for HA)
 - SSO configuration (Keycloak)
- Terraform
 - Intro to Terraform
 - Grafana management in Terraform
 - Data Sources
 - Dashboards
 - User Management
- Grafana Datasources
 - Prometheus
 - Logs
 - Loki
 - Elastic Search
 - Postgres
- Visualization
 - Metrics Visualisation
 - Logs Visualization
 - Metrics from Logs
 - DB Visualization (from Postgres)
 - Panels
- Alerting
 - Prometheus Alerts in Grafana
 - Log based alerts (Loki, Elastic Search)
 - Alert visualization
- Grafana OnCall (plugin)
 - What is Grafana OnCall (PagerDuty alternative)
 - On-call rotation
 - Automatic escalation
 - Never miss alerts with calls and SMS
- Organization management
 - Multi organization setup
 - Access control across organizations

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- User Management
 - Local User Management
 - Federated User Management (Keycloak)
 - Teams