

Day - 1

- **Introduction and Overview**

- What is Grafana?
- Why do we need it?
- Advantage and Disadvantage of Grafana
- Grafana Comparing with other tools
- How Grafana works!
- Grafana Architecture

- **Installation**

- Requirements
- Install on Debian/Ubuntu
- Install on RPM-based Linux
- Install on Windows
- Install on macOS
- Run Grafana Docker image
- Upgrade Grafana

- **Getting Started with Grafana**

- With Grafana
- With Grafana and Prometheus
- With Grafana and MS SQL Server
- Time Series
- Time Series Dimensions
- Histograms and Heatmaps
- Glossary

- **Data sources in Grafana**

- PostgreSQL
- Prometheus

Day - 2

- **Data sources in Grafana**

- Add data source
- AWS CloudWatch
- Cloud Monitoring
- Azure Monitor
- Elasticsearch
- Graphite
- InfluxDB
- Jaeger
- Loki
- Tempo
- Microsoft SQL Server
- MySQL
- OpenTSDB
- TestData
- Zipkin

- **Panels in Grafana**

- Add a Panel
- Panel Editor
- Calculations list
- Queries
- Thresholds
- Transformations
- Share query results
- Inspect a panel
- Field options and overrides
- Visualizations

- **Dashboards & Explore in Grafana**

- Annotations
- Dashboard Folders
- Playlist
- Search
- Keyboard shortcuts
- Time range controls
- Reporting
- Dashboard Version History
- Share dashboard
- Share panel
- Export and import
- JSON model
- Scripted dashboards

- **Alerts in Grafana**

- Alert notifications
- Create alerts
- Pause alert rule
- View alerts
- Troubleshoot alerts

Day - 3

• Authentication in Grafana

- Overview
- Grafana Authentication
- Auth Proxy
- LDAP Authentication
- Enhanced LDAP Integration
- OAuth authentication
- Google OAuth2 Authentication
- Azure AD OAuth2 authentication
- GitHub OAuth2 Authentication
- GitLab OAuth2 Authentication
- Okta OAuth2 authentication
- SAML Authentication
- Team Sync

• Linking

- Linking overview
- Dashboard links
- Panel links
- URL variables
- Data links

• Administration in Grafana

- Grafana CLI
- Image rendering
- Internal Grafana metrics
- Provisioning
- Jaeger instrumentation
- Change the default home dashboard
- Change your password
- Change your preferences
- Configuration
- View server settings
- Configure Grafana Docker image
- Security
- View server stats
- Set up Grafana for high availability

• Manage users

- Add or remove a user
- Enable or disable a user
- Add or remove a user from a team
- Create or remove a team

• Templates and variables

- Variable syntax
- Variables types
- Variable examples
- Enter variable Selection Options
- Enter Value tags
- Advanced variable format Options
- Multi-value variables
- Filter variables with regex
- Repeat panels or rows

• Permissions

- Organization roles
- Dashboard and Folder Permissions
- Datasource Permissions

• Grafana Enterprise

- License Expiration
- Data source permissions
- Enhanced LDAP Integration
- Enterprise configuration
- Reporting
- SAML Authentication
- Team sync
- Auditing
- Usage-insights
- Vault
- White-labeling
- Export dashboard as PDF

• Plugins

- Install plugins
Plugin signatures

