

Prometheus Fundamentals Training

COURSE CONTENT

GET IN TOUCH



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About Multisoft

Train yourself with the best and develop valuable in-demand skills with Multisoft Systems. A leading certification training provider, Multisoft collaborates with top technologies to bring world-class one-on-one and certification trainings. With the goal to empower professionals and business across the globe, we offer more than 1500 training courses, which are delivered by Multisoft's global subject matter experts. We offer tailored corporate training; project Based Training, comprehensive learning solution with lifetime e-learning access, after training support and globally recognized training certificates.

About Course

The Prometheus Fundamentals Training by Multisoft Systems is designed to help IT professionals build a strong foundation in modern, cloud-native monitoring and alerting. Prometheus, a leading open-source monitoring system, is widely used in DevOps, SRE, and cloud engineering environments for its powerful time-series data model, robust querying capabilities, and seamless integration with tools like Grafana and Kubernetes.

Module 1: Introduction

- ✓ Prometheus vs Graphite vs InfluxDB
- ✓ Overview of Prometheus features and architecture
- ✓ Prometheus data model and metrics

Module 2: Getting Started

- ✓ Installing and configuring Prometheus
- ✓ Basic query operations (PromQL)
- ✓ Use cases and examples
- ✓ Navigating the UI

Module 3: Monitoring and Alerting

- ✓ Recording and alerting rules
- ✓ Instrumenting codes
- ✓ Pushing metrics (Pushgateway)
- ✓ Node and WMI exporters
- ✓ Configuring Alertmanager
- ✓ Managing alerts

Module 4: Visualization with Grafana

- ✓ Setting up Grafana
- ✓ Creating a Prometheus data source
- ✓ Using default dashboards
- ✓ Customizing dashboards

Module 5: Security, Integrations, and Optimization

- ✓ Prometheus security model
- ✓ Authentication, authorization, and encryption
- ✓ API management

- ✓ Federation and HTTP service discovery
- ✓ Remote write tuning parameters
- ✓ Optimizing data and systems usage