

Prometheus Certified Associate Training (PCA)

OEM: Linux Foundation • Duration: 3 Days (24 hrs) • Code: PCA

COURSE MODULES & TOPICS

Domain 1: Observability Concepts (18%)

- Metrics
- Understand logs and events
- Tracing and Spans
- Push vs Pull
- Service Discovery
- Basics of SLOs, SLAs, and SLIs

Domain 2: Prometheus Fundamentals (20%)

- System Architecture
- Configuration and Scraping
- Understanding Prometheus Limitations
- Data Model and Labels
- Exposition Format

Domain 3: PromQL (28%)

- Selecting Data
- Rates and Derivatives
- Aggregating over time
- Aggregating over dimensions
- Binary operators
- Histograms
- Timestamp Metrics

Domain 4: Instrumentation and Exporters (16%)

- Client Libraries
- Instrumentation
- Exporters
- Structuring and naming metrics

Domain 5: Alerting & Dashboarding (18%)

- Dashboarding basics
- Configuring Alerting rules
- Understand and Use Alertmanager
- Alerting basics (when, what, and why)