## Monitoring and Alerting cloud services via Grafana, Prometheus Course Outline

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Day 1					
Introduction					
Introduction to Systems and Service Monitoring					
Introduction to Prometheus					
Installing and Setting Up Prometheus					
Prometheus Configuration					
Basic Querying					
Dashboarding					
Monitoring Host Metrics					
Monitoring Container Metrics					
Node Exporter					
Client Libraries					
Day 2					
Instrumenting Code					
Building Exporters					
Advanced Querying					
Relabeling					

Service Discovery

Client Libraries
Blackbox Monitoring
Pushing Data
Alerting
Making Prometheus Highly Available
Day 3
Recording Rules
Scaling Prometheus Deployments
Introduction to Alerting
Setting Up Alerts
Prometheus and Kubernetes
Prometheus Storage
Day 4
Duy -
Local Storage
Prometheus Security
TLS & Authentication on Prometheus Server
Mutual TLS for Prometheus Targets
Remote Storage Integrations
Transitioning From and Integrating with Other Monitoring Systems
Monitoring and Debugging Prometheus