

Logging, Monitoring, and Observability in Google Cloud

Code:	GCP-LMNOP
Length:	2 days
URL:	View Online

This course teaches participants techniques for monitoring and improving infrastructure and application performance in Google Cloud.

Using a combination of presentations, demos, hands-on labs, and real-world case studies, attendees gain experience with full-stack monitoring, real-time log management and analysis, debugging code in production, tracing application performance bottlenecks, and profiling CPU and memory usage.

Skills Gained

- Explain the purpose and capabilities of Google Cloud's operations suite.
- Implement monitoring for multiple cloud projects.
- Create alerting policies, uptime checks and alerts.
- Install and manage Ops Agent to collect logs for Compute Engine.
- Explain Cloud Operations for GKE.
- Analyze VPC Flow Logs and firewall rules logs.
- Analyze and export Cloud Audit Logs instances.
- Profile and identify resource-intensive functions in an application.
- Analyze resource utilization cost for monitoring related components within Google Cloud.

Who Can Benefit

This class is intended for the following participants:

- Cloud architects, administrators, and SysOps personnel
- Cloud developers and DevOps personnel

Prerequisites

- Have completed the Google Cloud Platform Fundamentals: Core Infrastructure course or have equivalent experience.
- Have basic scripting or coding familiarity.
- Be proficient with command-line tools and Linux operating system environments.

Course Details

Course Outline

- Introduction to Google Cloud Operations Suite
- Monitoring Critical Systems
- Alerting Policies
- Advanced Logging and Analysis
- Working with Audit Logs
- Configuring Google Cloud Services for Observability
- Monitoring Google Cloud Network and Data Access
- Investigating Application Performance Issues
- Optimizing the Costs for Operations Suite

Schedule (as of 3)

Date	Location	
Aug 8, 2024 - Aug 9, 2024	Live Virtual	Enroll

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