

# Logging, Monitoring, and Observability in Google Cloud

---

<b>Code:</b>	GCP-LMNOP
<b>Length:</b>	2 days
<b>URL:</b>	<a href="#">View Online</a>

---

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 4 )

Date	Location	
Aug 8, 2024 - Aug 9, 2024	<a href="#">Live Virtual</a>	<a href="#">Enroll</a>

Download Whitepaper: Accelerate Your Modernization Efforts with a Cloud-Native Strategy  
Get Your Free Copy Now