# Google Cloud Network Engineer Advance

#### **Course Overview**

A Network Engineer configures, maintains, and troubleshoots network components of their cloud-based infrastructure. This learning path guides you through a curated collection of concepts and labs that provide you with real-world, hands-on experience using Google Cloud technologies essential to the Network Engineer role.

**Duration:** 05 days / 40 hours

Level: Professional

Prerequisites: There is a prerequisite for this learning path. Learner should have completed

**Google Cloud Fundamentals: Core Infrastructure** 

Course Outcome: Learner can take Google Cloud Certified Professional Cloud Network

Engineer exam

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- Network Monitoring and Logging

### **Networking in Google Cloud: Routing and Addressing**

- Welcome to Networking in Google Cloud
- Network Routing and Addressing in Google Cloud
- Private Connection Options

#### **Networking in Google Cloud: Network Security**

- Distributed Denial of Service (DDoS) Protection
- Controlling Access to VPC Networks
- Advanced Security Monitoring and Analysis

### **Networking in Google Cloud: Load Balancing**

- Hybrid Load Balancing and Traffic Management
- Caching and Optimizing Load Balancing

# Networking in Google Cloud: Hybrid and Multicloud

- Connectivity Options
- Cloud VPN

# **Configure Google Kubernetes Engine Networking**

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# Logging and Monitoring in Google Cloud

- Introduction to Google Cloud Operations Suite
- Monitoring Critical Systems
- Alerting Policies
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