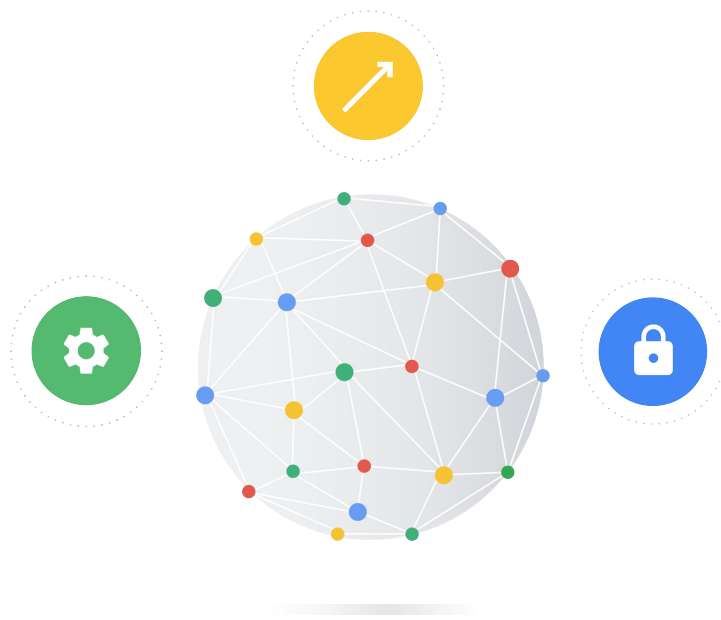




Networking in Google Cloud

Course Series

[Intro music splash]



[Network appears] Google Cloud makes it easy to manage [gear icon], scale [arrow icon], and secure [lock icon] your networks.



Networking in Google Cloud



In the Networking in Google Cloud course series, learn how to implement load balancing and content delivery, and optimize your network for performance and cost.



Hi, I'm Barry, a certified trainer at Google, and today, I'm here to teach you about the wide variety of networking options and design patterns on Google Cloud. In this series of courses, you'll explore and deploy Google Cloud networking technologies, including VPC networks, subnets, and firewalls. You'll learn about load balancing, Cloud DNS, Cloud CDN, and Cloud Nat.

Network engineers

Network administrators



VPC
Networking



Cloud VPN



Cloud IAM



Deployment
Manager



Cloud Load
Balancing



Cloud
Monitoring



Cloud
Interconnect



Cloud
Logging

This series of courses is designed for Network engineers and administrators who are either using or planning to use Google Cloud, and any other individuals who are interested in software-defined networking solutions in the cloud. Before enrolling in this series, it is recommended that you complete Google Cloud Fundamentals: Core Infrastructure, and the Networking Fundamentals in Google Cloud quest. This series also requires you to have prior understanding of the 7 layer OSI model, IPv4 addressing, and prior experience managing IPv4 routes.

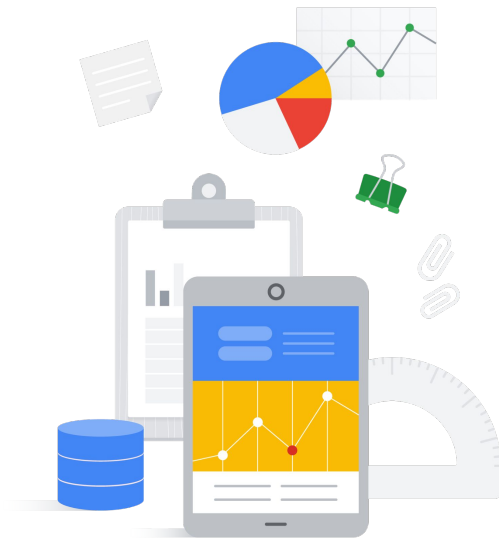
Configure, maintain, and troubleshoot network components.



Through a series of courses featuring videos, quizzes, and hands-on labs, you'll gain the knowledge you need to configure, maintain, and troubleshoot network components.

Learning Objective #01

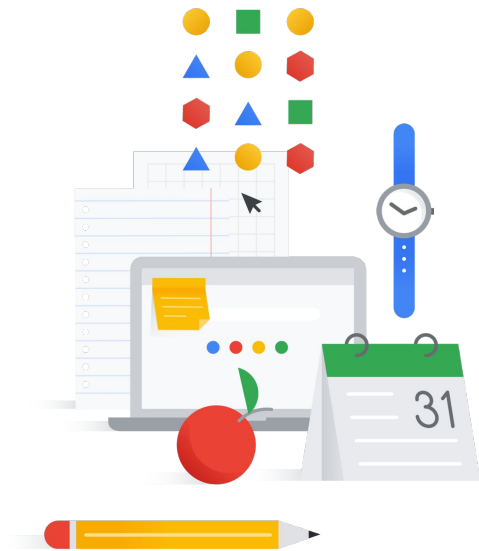
Configure Google VPC networks, subnets, and routers.



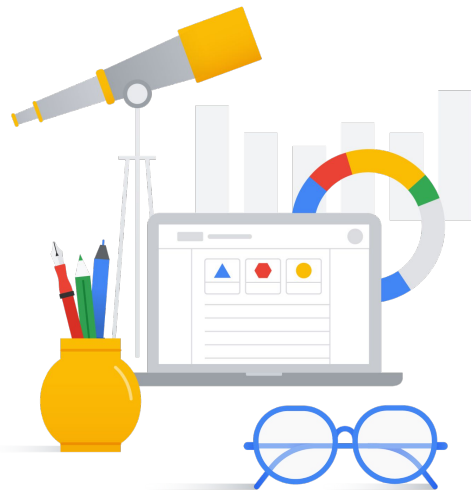
You'll configure Google VPC networks, subnets, and routers.

Learning Objective #02

Control administrative access to VPC objects.



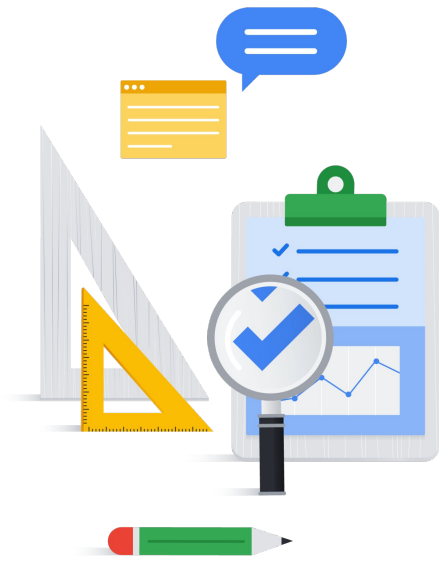
Control administrative access to VPC objects,



Learning Objective #03

Control network access to endpoints in VPCs.

and network access to endpoints in VPCs.



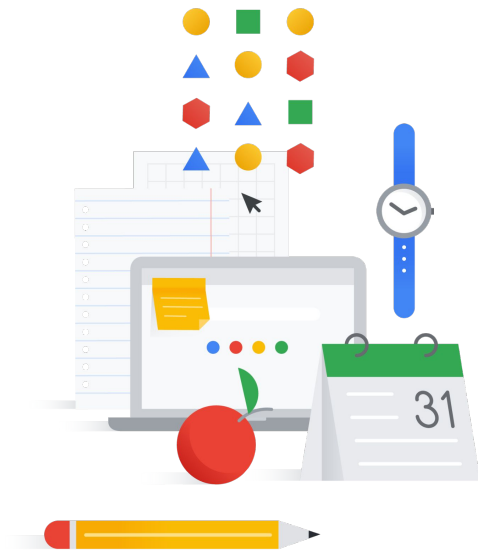
Learning Objective #04

Interconnect networks among Google Cloud projects.

In addition, you'll learn to interconnect networks among Google Cloud projects.

Learning Objective #05

Interconnect networks among Google Cloud VPC networks and on-premises or other-cloud networks.



Interconnect networks among Google Cloud VPC networks and on-premises or other-cloud networks.

Learning Objective #06

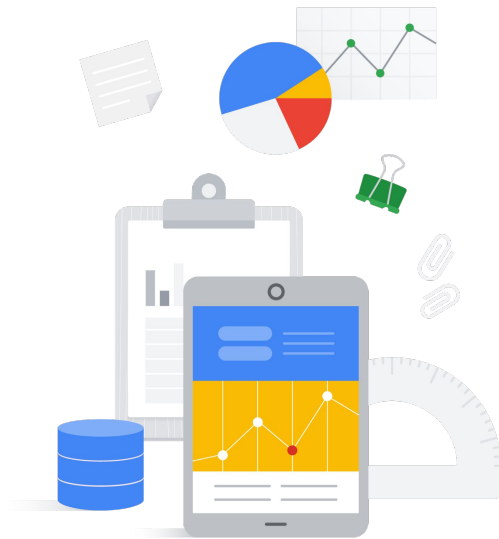
Configure traffic management among load balancer backend services.



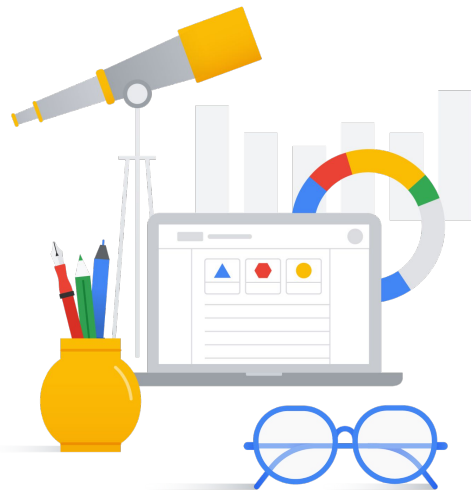
Configure traffic management among load balancer backend services.

Learning Objective #07

Use Cloud CDN to reduce latency and save money.



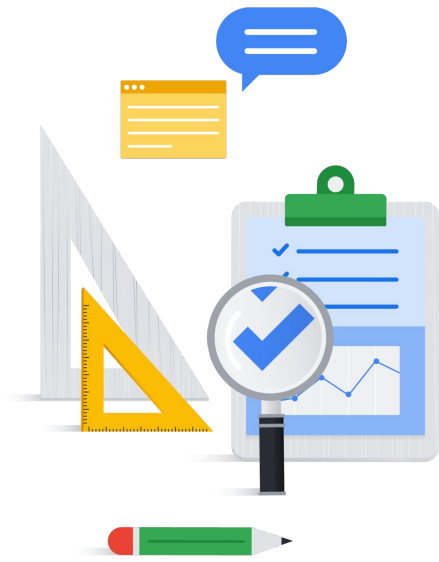
Use Cloud CDN to reduce latency and save money.



Learning Objective #08

Optimize network spend using
Network Tiers.

Optimize network spend using Network Tiers.



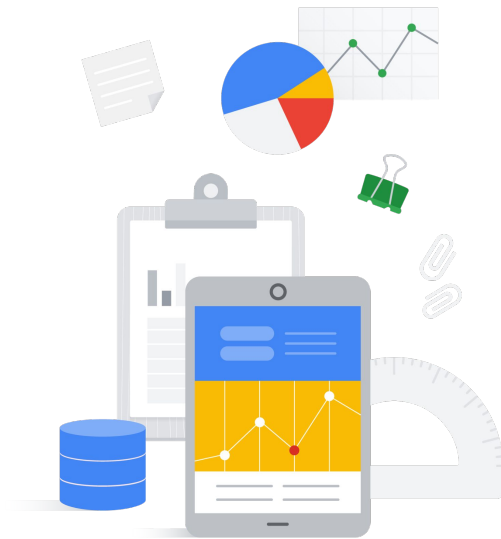
Learning Objective #09

Configure private connection options to provide access to external resources and services from internal networks.

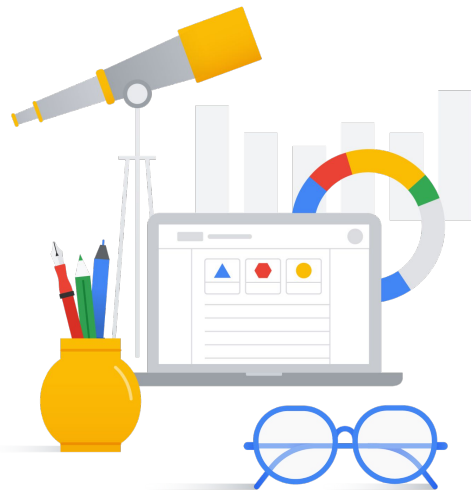
Configure private connection options to provide access to external resources and services from internal networks.

Learning Objective #10

Design networks to meet common customer requirements.



Design networks to meet common customer requirements.



Learning Objective #11

Configure monitoring and logging to troubleshoot network problems.

And configure monitoring and logging to troubleshoot network problems.



Ready? Let's get started.