

Google Cloud API Developer

Course Overview

This course provides a complete learning path for developers, architects, and platform teams to design, secure, develop, and deploy modern APIs using Google Cloud's Apigee API Platform. Through hands-on labs and modules, participants will gain expertise in API-first architecture, Apigee X deployment, and cloud-native integrations with robust security.

Duration: 5 Days

Audience: Developers, architects, DevOps engineers, and platform teams working on API modernization and cloud-native integration.

Prerequisites: Basic knowledge of REST APIs, HTTP, and Google Cloud fundamentals

Outcome: Ability to design, publish, secure, and manage enterprise-grade APIs using Apigee X and associated GCP services.

Table of Contents

API Design and Fundamentals of Google Cloud's Apigee API Platform

1. Introduction
2. Apigee Overview
3. API-First and OpenAPI Specification
4. API Proxies
5. API Products

API Security on Google Cloud's Apigee API Platform

1. Introduction
2. Authentication, Authorization, and OAuth
3. Content, Transport, and Platform Security

API Development on Google Cloud's Apigee API Platform

1. Introduction
2. Mediation
3. Traffic Management
4. API Publishing
5. Logging and Analytics
6. Advanced Topics

Develop and Secure APIs with Apigee X

1. Introduction to APIs in Google Cloud
2. Modernizing Applications with Apigee X
3. Publishing APIs with Apigee X
4. Securing APIs with Apigee X
5. Using Google Cloud Services with Apigee X

Deploy and Manage Apigee X

1. Provisioning an Apigee X Evaluation Organization
2. Adding an Apigee X Environment and Group
3. Using NAT for Apigee X Backend Services
4. Protecting APIs with Apigee X and Cloud Armor