Apigee Edge Training

COURSE CONTENT

About Multisoft

Train yourself with the best and develop valuable in-demand skills with Multisoft Systems. A leading certification training provider, Multisoft collaborates with top technologies to bring world-class one-on-one and certification trainings. With the goal to empower professionals and business across the globe, we offer more than 1500 training courses, which are delivered by Multisoft's global subject matter experts. We offer tailored corporate training; project Based Training, comprehensive learning solution with lifetime e-learning access, after training support and globally recognized training certificates.

About Course

Apigee Edge Training by Multisoft Systems is designed to equip professionals with complete, hands-on expertise in modern API management. As organizations increasingly rely on APIs to drive digital transformation, the need for skilled API developers, architects, and integrators has never been greater. This training provides a comprehensive understanding of how to design, secure, deploy, publish, and monitor APIs using Apigee Edge, Google's powerful API management platform.

Module 1: Introduction to API Management & Apigee Edge

- ✓ Understanding APIs and their role in digital transformation
- ✓ Overview of API management platforms
- ✓ Apigee Edge architecture, components, and capabilities
- ✓ API lifecycle management fundamentals

Module 2: Getting Started with Apigee Edge

- ✓ Creating organizations, environments, and user roles
- ✓ Navigating the Apigee Edge UI
- ✓ Introduction to API proxies

Module 3: API Proxy Design & Development

- ✓ Proxy endpoints vs target endpoints
- ✓ Flow structure: Pre-flow, post-flow, conditional flows
- ✓ Request and response processing
- ✓ Route rules and target servers

Module 4: API Policies & Transformations

- ✓ What are policies in Apigee?
- ✓ Request and response transformations
- ✓ XML and JSON transformation
- ✓ Flow control & orchestration

Module 5: Security in Apigee Edge

- ✓ API key validation
- ✓ OAuth 2.0, JWT, and token-based security
- ✓ Threat protection policies
- ✓ Spike arrest, rate limiting, and quota policies

Module 6: Traffic Management & Performance Optimization

- ✓ Understanding traffic management needs
- ✓ Caching strategies for API performance
- ✓ Load balancing & fault handling
- ✓ Configuring rate limits and quotas

Module 7: Error Handling & Fault Rules

- ✓ Standardizing error responses
- ✓ Fault rules and custom error messages
- ✓ Debugging and troubleshooting API proxies

Module 8: Analytics & API Monitoring

- ✓ Introduction to Apigee analytics
- ✓ Traffic analysis, latency reports, and performance metrics
- ✓ Custom dashboards and alerts

Module 9: Developer Portal Management

- ✓ Purpose of developer portals
- ✓ Customizing the portal
- ✓ Publishing and documenting APIs
- ✓ Onboarding developers, API keys, and apps

Module 10: API Productization & Monetization

- ✓ Creating API products
- ✓ Packaging APIs for developers
- ✓ Monetization models in Apigee
- ✓ Controlling API access with plans

Module 11: Versioning, Deployment & Lifecycle Management

- ✓ Managing API proxy revisions
- ✓ Deployment workflows and environment management
- ✓ Versioning strategies for enterprise APIs
- ✓ CI/CD integration basics

Module 12: Advanced Concepts in Apigee Edge

- ✓ Shared flows and reusable components
- ✓ Node.js and Java callouts
- ✓ Key-value maps, caches, and secrets
- ✓ Integration with backend systems and cloud platforms