Installing and Managing Google Cloud's Apigee API Platform for Private Cloud Training

Course Outline

Module 1: Architecture

- Familiarize with Apigee product capabilities and its place in the enterprise architecture.

- Gain understanding of Apigee technology stack.

- Gain basic understanding to Apache Cassandra capabilities and how they are leveraged by Apigee platform.

- Gain detail understanding of Apigee terminology and organizational structure.

- Explore topology design options.

Module 2: Installation

- Discuss installation planning.

- Understand installation dependencies.

- Gain detail understanding of and practice installation process.

- Discuss post installation tasks and recurrent activities recommended for the platform.

- Discuss uninstall process, how it works and when to use it.

Module 3: Developer Portal Installation

- Discuss the role of Apigee Developer Portal.

- Discuss recommended practices for hosting.

- Discuss software distribution and installation process.

Module 4: Management

- Discuss platform operations capabilities and recommended practices.

- Discuss the role of Management API and how it is leveraged by platform and users of it.

- Gain understanding of API deployment process.

- Gain understanding of Apigee analytics.

- Discuss infrastructure operations capabilities and recommended practices.

Module 5: Security

- Discuss Apigee capabilities to secure API traffic.

- Understand how to configure TLS critical path components and user facing interfaces.

Module 6: Upgrade

- Discuss upgrade planning recommended practices.

- Discuss upgrade prerequisites and how to validate them.

- Discuss and practice upgrade process.

- Discuss rollback scenarios and rollback process.

Module 7: Capacity Planning and Scaling

- Understand scenarios and recommended practices for capacity planning.

- Understand how to scale up/down physical and logical capacity.

- Understand how to add individual components, extend clusters and add new regions.

Module 8: Monitoring

- Discuss recommended practices for monitoring.

- Understand how to monitor individual components.

- Discuss the role of synthetic transactions monitoring.

- Discuss recommended practices for API monitoring.

Module 9: Troubleshooting

- Discuss failure scenarios and troubleshooting practices.

- Understand Apigee support model.