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

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WE ARE CAS

Duración
21 horas

Modalidad
Aula Virtual

Learning by doing

Curso Oficial

Acerca de:

This course introduces you to the fundamentals and advanced practices used to install and manage Google Cloud's Apigee API Platform for private cloud.

Through a combination of lectures, hands-on labs, and supplemental materials, you will learn how to design, install, secure, manage, and scale the Apigee API Platform for Private Cloud.

Objetivos:

- Identify the purpose and value of the Apigee API Platform
- Gain a detailed understanding of the Apigee API Platform for Private Cloud architecture and the recommended practices for topology design
- Gain a detailed understanding of the Apigee terminology and logical organizational structure
- Interact with the Apigee API Platform and solve scenarios by leveraging recommended practices
- Understand the capabilities and practices used to secure, manage and scale the platform
- Learn and practice the installation and upgrade of the Apigee API Platform for Private Cloud

Requisitos:

- Familiarity with Linux command and command line interface
- Basic understanding of networking
- Basic understanding of shell script, XML, JSON, HTTP, REST, and TLS.

Material del curso:

Documentación Oficial de Google Cloud - Installing and Managing Google Cloud's Apigee API Platform for Private Cloud

Perfil del docente:

- Formador Certificado por GCP
- Más de 5 años de experiencia profesional
- Más de 4 años de experiencia docente
- Profesional activo en empresas del sector IT

Metodología:

- “Learning by doing” se centra en un contexto real y concreto, buscando un aprendizaje en equipo para la resolución de problemas en el sector empresarial.
- Aulas con grupos reducidos para que el profesional adquiera la mejor atención por parte de nuestros instructores profesionales.
- El programa de estudios como partners oficiales es confeccionado por nuestro equipo de formación y revisado por las marcas de referencia en el sector.
- La impartición de las clases podrá ser realizada tanto en modalidad Presencial como Virtual.

Contenidos:

Modulo 1: Architecture

- Familiarize with Apigee product capabilities and its place in theenterprise architecture
- Gain an understanding of the Apigee technology stack
- Gain a basic understanding of Apache Cassandra capabilities and how they are leveraged by the Apigee platform
- Gain a detailed understanding of Apigee terminology and organizational structure
- Explore topology design options

Modulo 2: Installation

- Discuss installation planning
- Understand installation dependencies
- Learn and practice the installation process
- Discuss post installation tasks and recurring activities recommended for the platform
- Learn how to uninstall the platform

Modulo 3: Developer Portal installation

- Discuss the role of the Apigee Developer Portal
- Discuss recommended practices for hosting the Developer Portal
- Discuss the software distribution and installation process

Modulo 4: Management

- Discuss platform operations capabilities and recommended practices
- Discuss the role of the Management API and how it is leveraged by the platform
- Gain an understanding of the API deployment process
- Gain an understanding of Apigee analytics
- Discuss infrastructure operations capabilities and recommended practices

Modulo 5: Security

- Discuss Apigee capabilities to secure API traffic
- Understand how to configure TLS and mTLS for critical path components and user facing interfaces
- Learn how to configure single sign-on (SSO)

Modulo 6: Upgrade

- Discuss upgrade planning and recommended practices
- Discuss upgrade prerequisites and dependencies
- Learn and practice the upgrade process
- Discuss rollback scenarios and the rollback process

Modulo 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

Modulo 8: Monitoring

- Discuss recommended practices for monitoring the platform
- Understand how to monitor individual components
- Discuss the role of synthetic transactions monitoring
- Discuss recommended practices for API monitoring

Modulo 9: Troubleshooting

- Discuss failure scenarios and troubleshooting practices
- Understand the Apigee support model

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