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

ID IMAPIPC **Prix** CHF 1 950,– (Hors Taxe) **Durée** 3 jours

A qui s'adresse cette formation

Cloud Architect, Cloud Engineer and Operation Specialists.

Pré-requis

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

Objectifs

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

Contenu

The course includes presentations, demonstrations, and hands-on labs.

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.

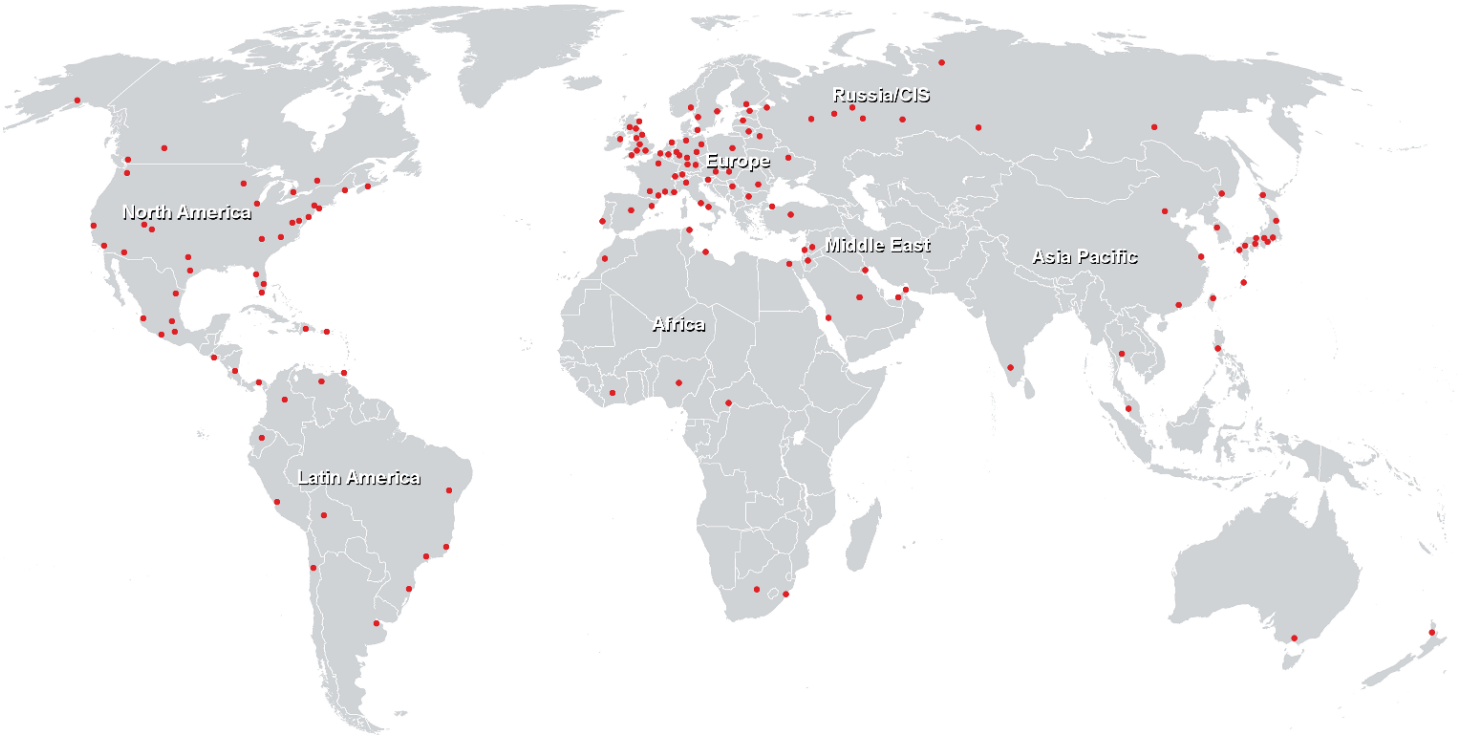
Module 8: Monitoring

- 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.

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