

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

ID IMAPIPC Prix sur demande 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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## Centres de formation dans le monde entier



## Fast Lane Institute for Knowledge Transfer (Switzerland) AG

Husacherstrasse 3  
CH-8304 Wallisellen  
Tel. +41 44 832 50 80

[info@flane.ch](mailto:info@flane.ch), <https://www.flane.ch>