ITTcert
BY ORSYS

Course : Getting Started with Terraform for Google Cloud

Official course, preparation for Google Cloud certification exams

Practical course - 1d - 7h00 - Ref. GSG
Price : 1020 € E.T.

This training course introduces the use of Terraform for Google Cloud. It provides an understanding of how Terraform can be used to implement infrastructure as code and apply some of its key features and functionality to create and manage Google Cloud infrastructure. You will have the opportunity to practice creating Google Cloud resources using Terraform.

🎯 Teaching objectives

At the end of the training, the participant will be able to:

- Define the company's infrastructure requirements as code and the benefits of using it
- Explain Terraform's features and functionalities
- Use Terraform resources, variables and output values to create infrastructure resources
- Use Terraform modules to create reusable configurations
- Explain the state of Terraform and its importance

Intended audience

Cloud engineers, DevOps engineers, anyone who wants to start using Terraform to automate infrastructure provisioning with a focus on Google Cloud Platform.

Prerequisites

Completion of "Google Cloud Fundamentals: Core Infrastructure" or equivalent. Basic programming skills and familiarity with a command-line interface.

Certification

We recommend you take this course if you want to prepare for certification as an "Associate Cloud Engineer".
Comment passer votre examen ?

Practical details

Teaching methods

Training in French. Official course material in digital format and in English. Good understanding of written English.

Course schedule

1 **Introducing Terraform for Google Cloud**

- Introduction to IAC (Infrastructure as Code).
- Introducing Terraform.
- Using Terraform.

2 **Terms and concepts**

- The Author phase.
- Terraform commands.
- Validation tool for Terraform.

3 **Writing infrastructure code for Google Cloud**

- Introduction to resources.
- Considerations for defining a resource block.
- Meta-arguments for resources.
- Resource dependencies.
- Introduction to variables.
- Introduction to output values.
- Terraform and CFT registers.

4 **Organizing and reusing configuration with Terraform modules**

- Module presentation.
- Reuse of configurations using modules.
- Use variables to parameterize your configuration.
- Transmit resource attributes using output variables.
- Module use cases, benefits and best practices.

5 **Introduction to the state of Terraform**

- Introduction to the state of Terraform.
- Ways to save a report file.
- Store a status file in a Cloud Storage bucket.
- Best practices for Terraform status.

Dates and locations

REMOTE CLASS
2026 : 9 June, 22 Sep., 1 Dec.

PARIS LA DÉFENSE
2026 : 9 June, 22 Sep., 1 Dec.