

# 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 ?](#)

## **PARTICIPANTS**

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.

## **TRAINER QUALIFICATIONS**

The experts who lead the training courses are specialists in the subjects covered. They are approved by the publisher and certified for the course. They have also been validated by our teaching teams in terms of both professional knowledge and teaching skills for each course they teach. They have at least three to ten years of experience in their field and hold or have held positions of responsibility in companies.

## **ASSESSMENT TERMS**

Assessment of targeted skills prior to training.

Assessment by the participant, at the end of the training course, of the skills acquired during the training course.

Validation by the trainer of the participant's learning outcomes, specifying the tools used: multiple-choice questions, role-playing exercises, etc.

At the end of each training course, ITTCERT provides participants with a course evaluation questionnaire, which is then analysed by our teaching teams. Participants also complete an official evaluation of the publisher.

An attendance sheet for each half-day of attendance is provided at the end of the training course, along with a certificate of completion if the participant has attended the entire session.

## 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: 17 Mar., 9 June, 22 Sep., 1 Dec.

### PARIS LA DÉFENSE

2026: 17 Mar., 9 June, 22 Sep., 1 Dec.

### TEACHING AIDS AND TECHNICAL RESOURCES

The teaching resources used are the publisher's official materials and practical exercises.

### TERMS AND DEADLINES

Registration must be completed 24 hours before the start of the training course.

### ACCESSIBILITY FOR PEOPLE WITH DISABILITIES

Do you have specific accessibility requirements? Contact Ms FOSSE, disability advisor, at the following address: psh-accueil@orsys.fr so that we can assess your request and its feasibility.