

# Training Course Content

## Rest API Testing with Postman

Duration : 2 days

Languages : EN & FR

Postman is a powerful tool used to test web services and APIs. It allows you to create a request with the required HTTP method and parameters, submit the request, and inspect the results. This course will use the Postman testing tool to teach you API testing. You will use Postman to find bugs and aid in efficient API development. Create requests and building simple workflows with Postman. Additionally, it will show you how to set up test suites in Postman that can be re-used for regression testing as a project grows. By the end of this course, you will be able to write automated API tests and have a good grasp of how to test an API. You will know how to use Postman you work with APIs in various capacities and you will have confidence in your ability to take part in creating high-quality APIs

### Learning Objectives

In this session, you will learn:

- What is Postman
- How to download and install Postman
- Understand Postman GUI
- Create Collections, Variables, Environments and Tests
- Do Data Driven Testing
- Run Postman collections and requests from command-line and Jenkins

### Pre-requisites

There are no prerequisites for this course. Fundamental computer skills are sufficient to get up this course. If you know the concepts of web services and writing test cases or manual testing concepts, then it's an added advantage to you.

### Audience

Who this course is for:

- Anyone who wants to learn Postman from scratch
- Anyone who wants to learn API execution & testing with Postman
- Beginners in Postman API testing

## Course Content

*Hereby the training program. Note this is subject to change in order to adapt to the target audience.*

### 1. Web Services testing

- Reminder on Web Services
- Why do we test web services?
- Presentation of Postman

### 2. Implementation of Postman

- Install and configure Postman
- Tour of Postman features
- Create requests and collections

### 3. Functional tests

- Create Variables, Environments and Tests
- Drive tests from data with Postman

### 4. Advanced automation

- Sharing Code Between Tests in Postman
- Mocking with Postman
- Running Tests Using Newman

## Practical exercises

This training consists of practical exercises to illustrate the subjects discussed and provides trainees with the opportunity to learn through practice.

## Trainer skills

Our experts who run our training courses or those we organize with a partner are specialists in the subjects covered. They are validated by our internal teams, both in terms of business knowledge and pedagogy, for each course they teach. They have at least five to ten years of experience in their field and hold or have held positions covering business topics.