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Course API Testing Automation using Postman and Newman

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SKU: Course-API-Testing-with-Postman-Newman-Prabal-Gope
Categories: [Courses](#), [QA – Testing](#)

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Access time

2 months starting the inscription date

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Duration and format

E-learning : 8 hours (VOD-video on demand)

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Intended audience

- IT Professionals
- Architects
- Web Service Testers
- Business stakeholders
- End-users

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Price

600,00 € HT (720,00 € TTC)

Course : Learn API Testing with Postman & API Test Automation with Newman

This course is designed to cover all aspects of API testing with Postman tool and to provide users with the knowledge required to work with Postman tool at a professional level. This course addresses planning and performing API tests, developing the pre-test & post-test scripts using Postman, executing the API tests and generating HTML reports using inbuilt tools like Newman. The course covers real-world best practices for effective use of Postman tool for API testing with practical examples demonstrated.

600,00 € HT (720,00 € TTC)

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Traning course summary : API Testing Automation Postman / Newman

Programme and table of contents of the training course - API Testing Automation using Postman and Newman

Section 1 – API Introduction

1. Introduction to Web Application Architecture

2. Software Architecture Evaluation
3. Three(Multi) Tier Architecture
4. API Protocols

Section 2 – Introduction to API's

1. What is meant by Service & API Testing?
2. Benefits of Service-Oriented Architecture
3. Why API/ Service level testing
4. Microservices
5. Testing Types
6. Common Defects

Section 3 – Postman – Installation on Windows 10

1. How to install
2. Postman Variables

Section 4 – Introduction to collections

1. Importance of Collections Runner & How to add some request to sequence the execution of API
2. Exporting and Importing the collections
3. Run Collections Remotely with Collection url

Section 5 – Command Line Execution Using Newman Tool

1. JS installation and Newman installation

Section 6 – Testing REST API With HTTP and HTTPS protocols

1. Creating a collection request and validation
2. List of status codes
3. Understanding Query Parameters

Section 7 – Curl Commands

1. Curl commands

2. Exporting and Execution of CLI Commands

Section 8 – Postman Monitors

Section 9 – How to Debug and Troubleshoot in Postman Tool

Section 10 – Using Postman to Create a Reusable API framework

1. Create Fork Request, Pull Request, Merge Changes in Postman Tool

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Details about training “API Testing Automation using Postman and Newman”

- [Description](#)
- [Goals](#)
- [Pre-requisites](#)
- [Upskilling evaluation](#)
- [Certification](#)
- [Accessibility](#)

This training will enable you to cover all aspects of API testing with Postman tool and will provide the knowledge required to work with Postman tool at a professional level. This course addresses planning and performing API tests, developing the pre-test & post-test scripts with Postman, executing the API tests and generating HTML reports using inbuilt tools like Newman.

The course covers real-world best practices for effective use of Postman tool for API testing with practical examples demonstrated.

Teaching method:

- ☑ Animated presentations
- ☑ Quizzes and exercises

For this training course you will need :

- ☑ Internet connexion
- ☑ Headset / Sound

The primary goal of this training program is to make you a professional in API Testing. We aim to do the same by helping you learn the following concepts, along with other significant ones:

- Advantages of APIs
- SOAP API and REST API
- Web services vs APIs
- Postman and Newman tools
- Installation of JDK, JRE, IDE, and Maven
- Basics of Java and JavaScript

The participant should have basic understanding of a few testing concepts, you do not need to have any specific skills or knowledge to learn API Testing. If you have an interest in learning API architecture and web services and wish to build a career in this domain, learning API testing is a must.

At the beginning: Evaluation quiz

During the course: Knowledge activation quiz

At the end of the course: Evaluation quiz accompanied by an interactive case study

Delivery of a training certificate and a certificate of success if the training is successful.

If you have any difficulties or are disabled, please contact: contact@

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Trainer's profile presentation

Prabal GOPE, Software Architect & Craft Coach

I am a senior IT professional with 21 years of experience, including 8 years in the insurance sector. My expertise lies in project management, test and QA management, agile and DevOps delivery, Japanese technical translation and software localization. I have 11 years of hands-on experience with MS Project 2021 and proficient in API testing and automation with Postman, Newman and Open API. I also have experience in implementing test delivery on Atlassian JIRA and test case management with Xray for JIRA and iDalko Exalate for synching multiple JIRA instances.

My skills include System testing, Business analysis – InsureTech & Fintech and Test automation with tools like Tricentis Tosca Testsuite & qTest, WebDriver and HP ALM.

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