

Customized JMeter and API

Learning Mode: Classroom, Demonstration followed by hands-on

Duration: 4 days(32 hours)

Audience This training is designed for Software Professionals, Performance Engineers, Software Testers, Quality Analysts, who are willing to learn JMeter Framework concepts in simple easy steps and implement the same in their real time projects.

Prerequisites Basic understanding of Java programming language, text editor and execution of programs, etc., because you are going to use JMeter to handle all levels of Java project testing (regression, functional, load, performance, etc.), so it will be good if you have knowledge of software development and software testing processes.

Day1

- Performance Testing and its types
- Performance testing workflow
- Introduction to JMeter
- Configuring PC / Laptop for JMeter Execution
- JMeter Features
- JMeter Working
- JMeter Test Plan and its elements
- Creating Thread Groups
- Working with Samplers
- Adding Listeners
- Analysing results
- Working with Assertions
- User Defined Variables

Day2

- Working with Controllers
- Handling Server Dynamic Values
- Working with Regular Expressions
- Configuration Elements
- Working with Timers
- Working with Pre & Post-Processors
- Plugins for report generation
- Handling Correlation

Day 3:

- Working with Remote / Distributed Tests
- Introduction to Performance monitoring tool
- Dynatrace/AppDynamics/perfmon

Day 4:

API/Webservices Testing using JMeter

- What is API
- API Vs Webservice
- Types of Webservices
- API/Webservice Testing using JMeter

Case Study - Simulating End-to-End Performance Testing using JMeter