

Performance and Load Testing with JMeter Course

Course Duration : 40 Hours

Course code : JMT-PLT-940

1. Course Overview

The Performance and Load Testing with JMeter Course is designed to help learners understand how to test the performance, scalability, and stability of web applications using Apache JMeter. This course focuses on identifying system bottlenecks and ensuring applications can handle real-world user traffic efficiently.

2. What you'll learn?

- Fundamentals of performance and load testing
- Introduction to Apache JMeter
- Creating test plans and test scripts
- Simulating user load and stress testing
- Analyzing performance metrics
- Reporting and optimization techniques

3. Target Audience

- QA testers and automation engineers
- Performance testing professionals
- Software developers
- DevOps engineers
- IT professionals

4. Pre-Requisites

- Basic knowledge of software testing
- Understanding of web applications
- Familiarity with HTTP protocols (recommended)
- Interest in performance testing

5. Course Content (Modules)

Module 1: Introduction to Performance Testing

- Types of performance testing
- Key metrics and concepts
- Testing strategies

Module 2: Getting Started with JMeter

- Installation and setup
- Overview of JMeter interface
- Creating first test plan

Module 3: Test Plan Design & Execution

- Thread groups and samplers
- Controllers and listeners
- Running and managing tests

Module 4: Advanced Testing Concepts

- Load and stress testing
- Parameterization and correlation
- Distributed testing

Module 5: Analysis & Reporting

- Analyzing test results
- Identifying bottlenecks