

JMeter Performance Testing Course

Course Duration : 40 Hours

Course code : JMT-PT-946

1. Course Overview

The JMeter Performance Testing Course is designed to provide practical knowledge of performance testing using Apache JMeter. This course focuses on evaluating the performance, scalability, and stability of web applications under different load conditions.

2. What you'll learn?

- Fundamentals of performance testing
- Working with Apache JMeter
- Creating and executing test plans
- Load and stress testing techniques
- Performance metrics analysis
- Reporting and optimization strategies

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
- JMeter interface overview
- Creating first test plan

Module 3: Test Design & Execution

- Thread groups and samplers
- Controllers and listeners
- Running test scenarios

Module 4: Advanced Testing Techniques

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

Module 5: Analysis & Reporting

- Analyzing results
- Identifying bottlenecks