Introduction to JMeter

4 Online Sessions

This introductory course covers all the essential principles of Performance Testing with JMeter.

Throughout the course practical examples are demonstrated, and the delegates have exercises at the end of every session to aid comprehension.

The course is instructor-led, online, with each session being approximately 3.5 hours of tuition. A comprehensive e-workbook accompanies the course.

Course Objectives

- Learn the theory and types of Performance Testing to better plan an effective Performance Testing solution.
- Learn about the JMeter Tool and its components
- Plan, Build and Execute a Test Plan to meet your objectives.
- Produce detailed analysis and reporting

Course Pre-requisites
- None

Key Points

Introduction
What is Performance testing. Types of Performance Tests, understanding workload, alternatives to performance testing, considerations before engagement.

Introducing JMeter
What is JMeter? What are its advantages and disadvantages? Installation & Components

Build a Test Plan
Manually create a test by adding Controllers, Samplers and Listeners.

Record a Test Plan
JMeter recording, setting up the Proxy Server to capture HTTP quickly to aid rapidly building your tests

Assertions
Add assertions into your tests to make sure they are working.

Correlation
Understanding Dynamic data, how to capture values & store them in variables for re-use

Data-Driven Testing
Why Data-driving your tests is so important, different approaches to data-driven testing, using a CSV file to data-drive your test

Scenarios
Building a Scenario, using Timers, Data Collection to Results files, Merging Thread Groups, Command-line execution

Analysis and Reporting
Capture results and output into logs, convert to graphs and look for performance trends

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4
Sessions

The introductory course that takes you from beginner through to executing Performance Tests with JMeter

Recommended for anyone new to Non-Functional Testing