CREDO SYSTEMZ
Simplifying IT

JMETER Course Content

SECTION1 : PERFORMANCE TESTING INTRODUCTION

- ➢ What is Performance testing and its importance ?
- ➢ Why we need performance testing ?
- ➢ Performance Testing Life cycle
- ➢ Types of Performance testing with Real time examples
- ➢ Performance testing Terminology
- ➢ Performance testing requirements/needs
- ➢ Performance test planning
- ➢ Workload Modelling
- ➢ Performance testing tools
- ➢ Why we need performance testing tool?
- ➢ Latest trends in Performance testing world

SECTION2: JMETER INTRODUCTION

- ➢ Introduction to JMeter
- ➢ JMeter Features and Protocol supports
- ➢ How JMeter works
- ➢ JMeter Installation
- ➢ Configuring Classpath
- ➢ Launching the JMeter instances
- ➢ Get to know JMeter features
- ➢ Overview of JMeter Elements

SECTION3: STEPS TO CREATE A JMETER SCRIPT

- ➢ Record a first project
- ➢ Importance of Parametrization & Correlations
- ➢ Recording steps on a website
- ➢ Using HTTP Proxy server
- ➢ Configuring the browser for recording the test script
- ➢ Configuring Firefox Mozilla
- ➢ Configuring Chrome
- ➢ Configuring IE Record and Playback on sample site

➢ Hands-ON training

SECTION4: JMETER INTERNALS

➢ Thread Group in JMeter Test Plan
➢ Implementing the Various Samplers(HTTP Request,JDBC Sampler,SOAP/XML-RPC Sampler,Webservices Sampler)
➢ Hands-ON Training

SECTION5: LOGIC CONTROLLER

➢ Implementing various Controller's in real time scenarios

SECTION6: PRE AND POST PROCESSORS

➢ Pre and Post Processors
➢ HTML link Parser
➢ Regular Expression Extractor
➢ Debug Post Processor
➢ Assertion results listener
➢ HTTP Cookie Manager
➢ Hands-ON training

SECTION 7: TIMERS

➢ Constant Timer
➢ Gaussian Random Timer
➢ Uniform Random Timer
➢ Poisson Random Timer
➢ Synchronizing Timer
➢ Constant Throughput Timer
➢ Hands-ON training

SECTION8: ASSERTIONS

➢ Why Assertions
➢ Duration Assertion
➢ Size Assertion
➢ HTML Assertion
➢ Response Assertion
➢ Compare Assertion
➢ Hands-ON training

SECTION9: LISTENERS

- Monitoring and Interpreting various JMeter Graphs
- Introduction to Listeners
- Aggregate Report
- View Results Tree
- Summary Report
- Simple Data Writer
- Graph Results
- Save Responses to file
- Generate summary result
- Response time graph
- Monitor results
- Hands-ON training

SECTION10: JMETER ADVANCED TESTING

- Testing database with Jmeter
- Testing webservices with jmeter
- Mobile performance test using jmeter

SECTION11: JMETER – MONITORING

- Monitor Configuration
- Setup A Load Test Scenario
- Perform Load Testing
- Distributed Load Testing
- JMeter Cloud Testing

SECTION12:ANALYSIS

- Report Analysis and Monitoring Resources
- JMETER External Plugin

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🌐 **Know more about JMeter**

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