

Contents JMETER.txt

Jmeter Course Content

Chapter 1: Introduction to performance testing

- +What is performance testing?
- +Why we need performance testing?
- +Test Architecture
- +How to do performance testing?
- +Performance testing tools available in market

Chapter 2: Types of performance testing

- +Smoke Test
- +Load Test
- +Stress Test
- +Endurance Test
- +Spike Test
- +Volume Test
- +Failover/Break Test

Chapter 3: Performance Test Life Cycle

- +Requirement Gatherings
- +Test Strategy/Planning
- +Design - Scripting
- +Monitoring and Execution
- +Analysis and Reports

Chapter 4: JMeter Basics

- +Pre-Requisites for installation
- +Installation of Tool
- +Terminology used in performance testing
- +Types of testing can be executed on JMeter

Chapter5: Components of JMeter

Contents JMETER.txt

- +Test plan, Thread Group, Workbench
- +Samplers
- +HTTP(S) Sampler
- +Test Action -Logic Controllers

- +Only Once Controller
- +Throughput Controller
- +If Controller
- +While Controller
- +Transaction Controller -Configuration Elements

- +CSV Data Set Config
- +HTTP Authentication Manager
- +HTTP Cache Manager
- +HTTP Cookie Manager
- +HTTP Request Defaults
- +HTTP Header Manager
- +User Defined Variables -Assertions

- +Response Assertion -Timers

- +Constant Timer
- +Gaussian Random Timer -Pre-Processor

- +User Parameters -Post Processor

- +Regular Expression Extractor -Listeners

- +Graph Results
- +View Results Tree
- +Aggregate Report
- +View Results in Table

Contents JMETER.txt

+Response Time Graph

Chapter6: Recording with JMeter

+Proxy Settings

+What to Record?

+What Not to Record?

+Recording Procedure

Chapter7: Enhancements in Scripts

+Parameterization

+What is parameterization?

+How to implement parameterization in JMeter?

+Types of parameterization in JMeter

+How to use parameterization in execution -Correlations

+What is Correlation?

+How to correlate values?

+Which values need to be correlated?

+Arguments in the correlation function

+How to pick random/sequential values from correlation

+Validations -Miscellaneous Features

+Debug Sampler

+setUp Thread Group

+tearDown Thread Group -Debugging Script

-Assertions

-Think Times and Transaction Names

Chapter 8: Error Handling

Chapter9: Functions in JMeter

Contents JMETER.txt

- +Time
- +StringFromFile
- +CSVRead
- +Random
- +UUID
- +Urlencode
- +Urldecode

Chapter 10: Plugin of JMeter

- +Standard Set
- +Extra Set

Chapter 11: Creation of Load test

- +Merging Thread Groups
- +Assigning Users
- +Ramp-up
- +Loop Count
- +Scheduler
- +Adding Listeners

Chapter 12: Execution and Monitoring of Load Tests

- +Viewing Results using Aggregate Report
- +Viewing Results using Plug-ins
- +Monitoring App/Web/DB Servers from JMeter

Chapter 13: Reporting in JMeter

- +Client Side Metrics
- +Server Side Metrics
- +Test Results Overview

Chapter 14: Remote Testing with JMeter

- +Running JMeter scripts in Multiple systems

Contents JMETER.txt

Chapter 15: Non-GUI Mode Executions