Performance Testing with Load Runner

Basics of Performance Testing

Introduction to Load Runner

Part I: Vuser Generator

Lesson 1: Building a Vuser Script

- Introducing VuGen - the Virtual User Generator
- Creating a Blank Vuser Script
- Recording a Vuser script
- Viewing the Vuser script

Lesson 2: Replaying Your Vuser Script

- Setting Vuser's runtime behavior
- Running Vuser Scripts
- Viewing information about the replay
- Testing if script replayed successfully
- Search or filter the replay results

Lesson 3: Solving Common Replay Failures

- Troubleshooting Errors
- Preparing HP Web Tours for replay errors
- Working with unique server values

Lesson 4: Preparing a Vuser Script for Load Testing

- Planning Business Process
- Measuring the duration of a business process
- Emulating multiple users
- Verifying Web page content
- Producing debugging information
- Testing replay of test

Part II: Load Runner Controller

Lesson 5: Creating a Load Testing Scenario

- Introducing the LoadRunner Controller
- Starting the Controller?
- The Controller at a Glance
• Modifying the script details
• Adding Load generators
• Generating a load on the system
• Emulating real load behavior
• Emulating different types of users
• Monitoring the system under load

Lesson 6: Running the Load Test

• The Controller Run view at a glance
• Running a load test scenario
• Monitoring the application under load
• Watching a Vuser running in real time
• Viewing a summary of Vuser actions
• Increasing the load during the test
• Analysing application performance under load
• Testing application errors?
• Testing scenario completion
• Analysing system performance under load

Part III: Load Runner Analysis

Lesson 7: Analyzing Your Scenario

• Analysing session work
• Starting analysis session
• The Analysis window at a glance
• Analyzing goals (Service Level Agreement)
• Defining an SLA
• Viewing a summary of performance
• Graphical view of performance
• Representing performance via Graphs
• Checking server performance
• Saving a template
• Finding out the source of the problem
• Gathering information about scenario run
• Generating reports of performance tests
• Publishing reports