

## COURSE DATA SHEET

### COURSE OVERVIEW

The course is for QA project leaders, testers, and engineers who need to develop a working knowledge of a load testing methodology and SilkPerformer.

When this course is successfully completed, the student will be able to:

- Identify components of an Internet infrastructure
- Create a load/performance test plan
- Use SilkPerformer to configure and record a test script
- Use SilkPerformer to compile and try a script
- Use the SilkPerformer TrueLog Explorer to troubleshoot scripts
- Randomize data to create realistic loads
- Modularize code through user-defined functions and transactions
- Create profiles to vary connection speeds and browser types
- Establish and confirm a baseline
- Explain and execute all six workload models
- Monitor agents
- Explore tests results

### PREREQUISITES

- Familiarity with a Windows environment
- Ability to navigate in an Internet or intranet environment
- Familiarity with scripting or structured programming
- Knowledge about basic concepts related to load testing, Web architecture and protocols
- Experience testing Web applications (manually)

### TOPICS

- Module 1: Load Testing Fundamentals - Components of typical infrastructure that support e-commerce, benefits of load testing, load testing types, variations of load tests, models and differences between load tests
- Module 2: SilkPerformer Overview - SilkPerformer Basics, SilkPerformer UI, adding an application profile
- Module 3: Project Plan, Test Plan, and Project Outline - Site map for sample web application, test plan worksheet for sample web application
- Module 4: Modeling the Script - Launching recorder using Model Script and Record Menu, Recorder options and buttons, clearing cookies, modeling a script using recorder, Record log and True Log file definitions
- Module 5: Trying the Script - Try Script dialog, trial script with and without animation, Playback log file, output file, virtual user report file, TrueLog file, TrueLog Explorer's Virtual User and Statistics Report
- Module 6: Customizing the Text - Using TrueLog Explorer, Configuring TrueLog Explorer for different user names, Configuring TrueLog Explorer
- Module 7: Finding and Confirming the Baseline - Add customer profiles, executing baseline reports and comparing results with virtual user report
- Module 8: Adjust Workload and Run Test - Adding Agent Pools, Adding Agents, Define/Examine agent health, computing responsiveness of agents, computing bandwidth
- Module 9: Exploring Results - Interpreting Results, Introduction of tools for results analysis, recognizing server-side bottlenecks and network bottlenecks
- Module 10: BDL Scripting - How to manually customize scripts using Benchmark Description Language
- Module 11: Data Types, Variables and Randomizing User Information - BDL datatypes, variables for random user information
- Module 12: Profile Settings, Looping and Parsing in BDL - host/port values, Active Profile settings, change speed and browser type, while loops, for loops, parsing headers, parsing HTML

## COURSE FORMAT / AVAILABILITY

This course is available as both a self-paced Web Based Training and as a 4 day Instructor Led Training engagement.

### WEB BASED TRAINING

#### Duration

- > 31 Days Access

#### Format

- > Delivered via web
- > HTML Content with Embedded Video
- > Hands-On Exercises

#### Requirements

- > SilkPerformer (Trial or Licensed)
- > Modern Web Browser
- > Flash 10+
- > Computer Speakers / Headphones
- > Broadband Internet (slower connections possible but will require additional wait time for video content)

#### Certification

- > A digital certificate of completion will be issued after completing both the class and the certification exam with a grade of 80% or better.

#### How to Order

- > Contact your Sales Representative
- > [Visit our Training Store for instant access!](#)

### INSTRUCTOR LED TRAINING

#### Duration

- > 4 Days

#### Format

- > Instructor Led Training

#### How to Order

- > Contact your Sales Representative
- > [Contact Micro Focus Education Sales](#)

**For additional information please visit: [www.microfocus.com/education-services](http://www.microfocus.com/education-services)**

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