

# Using Service Test 9.0

## Course Description



### **INTENDED AUDIENCE**

Experienced users of LoadRunner VuGen who want to expand their skills in the area of SOA and Service testing

### **DURATION: 1 DAY**

### **OVERVIEW**

This course provides a comprehensive understanding of using Service Test 9.0 for creating scripts, with a focus on SOA and Web Service tests. The scripts act like virtual users, allowing you to emulate real-life situations. You can use Service Test to develop a script by recording a user performing typical business processes, or you can generate automatic scripts that address your testing requirements.

Using Service Test, you can check your script's functionality using the built-in validation tools and reports. By incorporating scripts into *LoadRunner*, HP's load testing tool, you can check your service's performance under load.

Service Test integrates with *Quality Center*, HP's tool for advanced test management. Using all of Quality Center's capabilities, you can arrange your services and tests in a repository. You can create test plans, set requirements, and track defects for your Web Services.

### **COURSE OBJECTIVES**

At the end of this course, you will be able to:

- Manage services using Service Test.
- Emulate services to enable testing before a service is ready to go online.
- Parameterize tests to run with multiple sets of data.
- Import services from several locations.
- Handle security issues involved in service testing.
- Verify WS-I compliance.

### **PREREQUISITES**

A working knowledge of VuGen scripting

## **Course Overview**

- Outline the Course goals
- Give information on obtaining additional help.

## **Introduction to testing Services**

- Discuss the benefits of SOA architecture
- Define terms associated with Services
- Explore the Mercury Service Test file structure

## **Managing Services**

- Understand various methods to import services
- Discuss the interaction between Mercury Service Test and Quality Center

## **Creating Scripts**

- Use the Wizard to create tests for services
- Explore additional methods of creating scripts

## **Testing Aspects**

- Identify aspects of services that are part of standard testing
- Examine the code of aspect tests to better understand how they function

## **Testing Functionality**

- Explore the functionality of the Tree View
- Test services to see if the WS-I compliant
- Enhance tests with XML Parameterization and Checkpoints

## **Adding Security**

- Add WS-Security to a test
- Add SAML security to a test

## **Testing Web Services Transport Layers**

- Transport messages using JMS
- Transport messages using HTTP/HTTPS

## **Emulating Services**

- Explore the functionality of the Emulation Console
- Discuss the reasons for emulating services