

HPE ST120 – Service Test 11.5 Essentials

Overview

This introductory course provides students with the skills needed to effectively use and manage the Service Test software product. This course focuses on the basics of component and service testing, including handling security issues and creating custom code. This course is a mixture of lectures and hands-on exercises. This course is designed for users who are new to HPE Service Test.

Learning method

You will receive expert instruction from a Service Test specialist who will present the course using slide presentation and facilitated discussion. At the end of each chapter there will be review questions followed by a hands on exercise to ensure understanding of each lesson. Each student will receive a copy of the HPE Service Test Essentials manual. This manual is used throughout the course and proves a useful reference tool upon completion of the course.

Duration: 2 days

Who will benefit from this course?

This is an ideal course for all people who need to use Quality Centre such as:

- New users of Service Test who need to automate manual testing and verification in a short amount of time.
- Quality assurance engineers who will assume technical lead roles in the use of Service Test.

Course prerequisites

Working knowledge of:

- Windows operating system
- Web sites and browsers
- Testing concepts
- Basic networking and Internet technologies
- Web services basics

What you can expect to gain from this course?

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

- Understand the basics of component and service testing
- Manage services using Service Test
- Parameterize tests to run with multiple sets of data
- Import services from various locations
- Handle security issues involved with component testing
- Manage and create custom code in component testing

Course Content

Module 1: Course Overview

- Overview of the course
- Contents of the course
- Information about eBooks
- Class logistics
- Instructional methods
- Class introductions
- Virtual classroom tour

Module 2: Introduction to Service Test (ST)

- Identify basic concepts of Service Test
- Define Service Oriented Architecture (SOA)
- Identify components of SOA
- Define the terminology and principles surrounding component testing
- Identify the difference between GUI and headless testing
- Define HPE's SOA solution and its corresponding integrations

Module 3: Unified Functional Testing

- Identify the need for Unified Functional Testing (UFT)
- Identify the functionality of UFT
- Identify GUI validation using UFT
- Identify Service validation using UFT
- Configure the prerequisites for enabling UFT
- Apply the licenses in UFT
- Navigate the UFT UI
- Create a basic Quick Test (GUI Test) in UFT
- Create a basic Service Test (API Test) in UFT

Module 4: Service Test Installation and Implementation

- Configure Service Test
- Service Test Software Pre-requisites
- Define Service Test Architecture
- Configure the Service Test - ALM Connectivity
- Define Service Test Security

Module 5: Using Service Test

- Use the Service Test UI
- Work with the Visual Test Designer
- Import a service
- Define test step inputs and outputs
- Identify data drive steps
- Work with control flows
- Use the Results Viewer

Module 6: Enhancing Service Tests

- Use checkpoints and reporting
- Configure database validation with Service Test
- Configure security with Service Test



Module 7: Creating Advanced Services

- Use JMS with Service Test
- Test a REST service
- Work with custom code in Service Test
- Define and configure Service Test and load tests

Module 8: Introduction to Service Virtualization

- Define virtualization
- Identify the need for virtualization in a composite application environment
- Define service virtualization in a composite application environment
- Define features and benefits of HPE Service Virtualization
- Identify the functionality of Service Virtualization
- Identify components and architecture of Service Virtualization
- Start Service Virtualization
- Integrate Service Virtualization with Service Test

Related Courses

- UFT120 – Unified Functional Testing Essentials
- ALM120 – Application Lifecycle Management