

Business Process Testing 9.2

For the Automation Engineer

Course Description



INTENDED AUDIENCE

- Test Automation Engineers who will be using QuickTest Professional and QualityCenter to implement automation in a Business Process Testing environment

DURATION: 2 DAYS

PREREQUISITES

Students taking this course should have:

- Working knowledge of Windows
- Basic understanding of the testing process
- Completed Using QuickTest Professional training version 8.2 or greater
- Completed Advanced QuickTest Professional training version 8.2 or greater

LAB SETUP REQUIREMENTS

- A running QualityCenter 9.2 instance available to the students
- The 'BPT_FOR_AE_TRAINING' project imported into QualityCenter and a student login created
- A QuickTest Professional 9.2 instance available to each student
- The QTP with BPT add-in installed on the QC 9.2 instance

OVERVIEW

This introductory course provides an in-depth examination of the role of the Automation Engineer in a Business Process Testing (BPT) environment. You will learn the process of creating BPT components and tests using both QuickTest Professional and QualityCenter. You will also study how to create and manage BPT application areas, object repositories, keywords, functions and scripted components. Best practices for the implementation of BPT automation are stressed throughout the course. All topics are supported by hands-on exercises designed to provide you with the ability to successfully automate using the BPT methodology.

COURSE OBJECTIVES

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

- Perform Automation Tasks in the Business Process Testing Workflow
- Define the role of the Automation Engineer in a Business Process Testing project
- Create Application Areas in QuickTest Professional and associate object repositories, function libraries and keywords
- Create a shared object repository
- Create Keyword-Driven Components
- Fulfill component requests
- Use built in keywords and functions
- Create custom keywords and functions
- Convert business components to scripted components
- Create new scripted components
- Execute and debug test cases comprised of automated components
- Apply best practices for the successful implementation of BPT automation

RELATED COURSES

BPT 9.2 for the Subject Matter Expert

DAY 1

The Business Process Testing Workflow

- Introduction to Business Process Testing and outline of course materials
- Overview of the Business Process Testing automation workflow
- Examination of the roles and responsibilities involved in Business Process Testing

Creating Application Areas

- Create an application area
- Add associated files

Creating Object Repositories

- Create a shared object repository
- Associate with an application area

Creating Business Components

- Create a business (keyword-driven) component
- Use built in functions and keywords

Introduction to Scripted Components

- Overview of scripted components
- Convert business component to scripted component

DAY 2

Creating Custom Keywords and Functions

- Create a custom keyword
- Create a function library
- Create a custom function

Advanced Scripted Components

- Add intelligence to scripted components with VB Script conditional logic and looping statements
- Debug scripted components in QuickTest Professional
- Advanced uses of the Data Table

Component Based Test Cases

- Build a test case consisting of components
- Build a test set
- Execute a component based test case

Best Practices for Implementing BPT Automation

- Best practices for BPT automation creation, documentation and implementation

Summary

- Summarize key training concepts