



INTENDED AUDIENCE

- New users of QuickTest Professional 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 QuickTest Professional.
- Quality assurance engineers who will support business analysts using Business Process Testing.
- Other users of QuickTest Professional who need to customize and enhance their automated tests using scripting.

DURATION: 5 DAYS

PREREQUISITES

Working knowledge of:

- Windows
- Web sites and browsers
- Testing concepts

OVERVIEW

This core course provides a comprehensive understanding of using QuickTest Professional 10.0 as an automated functional testing tool. You will use the point and click interface to record and play back tests, add synchronization points and verification steps, and create multiple action tests. Once tests are created, you will discover and correct common record and play back problems.

In addition, you will learn to use Expert View to create steps that work with dynamic objects and data, use VBScript conditional and looping statements to control the flow of your tests and components, and use Data Table methods and database connection objects to retrieve external data. All topics are supported by hands-on exercises based on real-life examples.

COURSE OBJECTIVES

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

- Create basic scripts from a manual test case.
- Enhance basic tests with synchronization and verification.
- Parameterize tests to run with multiple sets of data.
- Create and reuse modular actions.
- Use the Object Repository.
- Use debugging tools.
- Use custom checkpoints to create more precise verification points within a test.
- Use the Object Repository Manager.
- Describe and use virtual objects.
- Resolve object recognition problems.
- Discuss centralized management of QTP resources, versioning and baselining.
- Use Local System Monitoring.
- Identify when Expert View is useful.
- Retrieve and use the properties of an object.
- Create programmatic descriptions.
- Create tests that include VBScript.
- Retrieve data from application objects.
- Use the Data Table object to store run-time data and drive actions.
- Create scripts that access data from external sources.
- Create new subroutines and functions.
- Use the Function Library editor.
- Identify when to handle exceptions programmatically.

Day 1	<p>Course Overview</p> <ul style="list-style-type: none"> Outline the benefits of QuickTest Professional <p>Preparing to Record</p> <ul style="list-style-type: none"> Review documented user steps Identify the application under test (AUT) Prepare the test environment <p>Creating A Basic Test</p> <ul style="list-style-type: none"> Create and execute basic tests Understand QuickTest results 	<p>Working With Objects</p> <ul style="list-style-type: none"> Identify objects and their properties Discuss basics of the Object Repository <p>Adding Synchronization</p> <ul style="list-style-type: none"> Add synchronization steps Set Global Synchronization Timeout <p>Verifying with Standard Checkpoints</p> <ul style="list-style-type: none"> Enhance tests with checkpoints Use regular expressions
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Day 2	<p>Using Parameters</p> <ul style="list-style-type: none"> Use input and output parameters Create Data Driven tests Enhance checkpoints with parameters <p>Building Multiple, Reusable Actions</p> <ul style="list-style-type: none"> Create a Single Reusable Action Create multiple actions from a single action Use Global and Local Data Sheets <p>Adding Steps without Recording</p> <ul style="list-style-type: none"> Add steps using keyword view Add steps using the Step Generator 	<p>Creating Tests on a Web Application</p> <p>Discuss differences in:</p> <ul style="list-style-type: none"> Setup Add-Ins Object Recognition Synchronization <p>Writing Custom Checkpoints</p> <ul style="list-style-type: none"> Create a custom checkpoint Compare captured values with expected values Use debugging tools Report the step outcome with a Reporter Event
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Day 3	<p>Using Database Checkpoints</p> <ul style="list-style-type: none"> Define Database checkpoints Create SQL queries Insert a Database checkpoint Parameterize a database query <p>Utilizing a Shared Object Repository</p> <ul style="list-style-type: none"> Describe local versus shared object repositories Use the Object Repository Manager 	<p>Solving Object Recognition Problems</p> <ul style="list-style-type: none"> Use analog recording Use low-level recording Use a bitmap checkpoint Work with virtual objects <p>Utilizing Recovery Scenarios</p> <ul style="list-style-type: none"> Create a recovery scenario Associate a recovery scenario with a test <p>Application Integration</p> <ul style="list-style-type: none"> Centralized management of QTP Assets Versioning Baselining <p>Local System Monitoring</p>
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Day 4	<p>Course Overview</p> <ul style="list-style-type: none"> • Introduction to Advanced QuickTest <p>Introduction to Expert View</p> <ul style="list-style-type: none"> • Understanding Expert View • Introduction to VBScript or OOP • Translating Steps <p>Using Expert View</p> <ul style="list-style-type: none"> • Using the Step Generator • Entering Steps Manually • Debugging the Script 	<p>Working With Object Properties</p> <ul style="list-style-type: none"> • Retrieving Properties of an Object • Using Constants and Variables • Using the Report Utility Object <p>Working with Dynamic Objects</p> <ul style="list-style-type: none"> • Using Dynamic Objects • Building a Programmatic Description
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Day 5	<p>Using VBScript</p> <ul style="list-style-type: none"> • Using VBScript Operators, Statements, and Functions <p>Working with Dynamic Data</p> <ul style="list-style-type: none"> • Retrieving Data • Using Looping Statements • Using the Data Table Object <p>Retrieving External Data</p> <ul style="list-style-type: none"> • Importing Data • Working with Databases and File Systems 	<p>Creating New Procedures</p> <ul style="list-style-type: none"> • Working with Procedures • Building a Library • Using a Procedure in Different Scenarios <p>Managing QuickTest Exception Handling</p> <ul style="list-style-type: none"> • Overview of Exception Handling • Handling Exceptions Through Recovery Scenarios • Handling Exceptions Programmatically
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