

Mastering QuickTest Pro

Course Summary

Description

This core course provides a comprehensive understanding of using advanced QTP features to improve and boost the automated functional testing tool for different environments.

Objectives

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

- Use more efficient alternatives for complex tasks
- Use QTP reserved objects
- Configure your environment when working within a team

Topics

- Handling command line tasks (DOS, Telnet).
- Object Oriented Testing and Design.
- Working in a multi-user environment.
- Automatic tool configuration
- The Object Repository (tips and advanced configuration)
- Object identification configuration (when and where)
- Advanced Data-Driven / keyword driven Testing (Xml Based)
- Virtual Objects.
- Environment object.
- Associate external resources to scripts (XML,XLS,VBS)
- Actions, local reusable actions, external reusable Actions.
- Local Action and global action iterations.
- Parameterization and Return Values of Reusable Actions/Test
- DP (Descriptive programming techniques and Description object)
- Reporting, Debugging and reporter object
- Analyzing test results.
- Recovery Scenarios, Recovery files.
- Simulating analog recording (DeviceReplay)
- Register and unregister user functions (override objects functions)
- The DataTable object (DTSheet,DTParameter)
- Using windows API (Extern).
- QTP Reserved Objects
- QTP Tools

Audience

This course is designed for intermediate or advanced users of QTP who need to improve the knowledge on advanced QTP features and need to use advanced techniques for testing.

Prerequisites

Students should have experience with First Steps Windows or First Steps Web Scripting QTP - Basic or at least 6 months of QTP experience.

Duration

Three days

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Course Outline

- I. Handling command line tasks (DOS, Telnet)
- II. Object Oriented Testing and Design
- III. Working in a multi-user environment
- IV. Automatic tool configuration
 - A. QTP options
 - B. Test Settings
 - C. Object identification
- V. The Object Repository (tips and advanced configuration)
- VI. Object identification configuration (when and where)
- VII. Advanced Data-Driven / keyword driven Testing (Xml Based)
- VIII. Virtual Objects
- IX. Environment object
- X. Associate external resources to scripts (XML, XLS, and VBS)
- XI. Actions, local reusable actions, external reusable Actions
- XII. Local Action and global action iterations
- XIII. Parameterization and Return Values of Reusable Actions/Test
- XIV. DP (Descriptive programming techniques and Description object)
- XV. Reporting, Debugging and reporter object
- XVI. Analyzing test results
- XVII. Recovery Scenarios, Recovery files
- XVIII. Simulating analog recording (DeviceReplay)
- XIX. Register and unregister user functions (override objects functions)
- XX. The DataTable object (DTSheet, DTPParameter)
- XXI. Using windows API (Extern)
- XXII. QTP Reserved Objects
 - A. MercuryTimers
 - B. SystemUtil
 - C. Setting
 - D. DotNetFactory
 - E. WebUtil
 - F. XMLUtil
 - G. Services
 - H. End/StartTransaction
 - I. LocalParameter
 - J. Crypt
- XXIII. QTP Tools
 - A. Multi Test Manager
 - B. Results Deletion
 - C. Register Browser control
 - D. Save and Restore Settings