

## AutomatedQA TestComplete 4 Day Training Summit

### INTRODUCTION

This 4 day course prepares you to run fully automated tests against a full range of software products using AutomatedQA Test Complete. Industry experts take you from simple manual testing through complex scenarios testing Windows, Web and distributed applications. This comprehensive course includes database access, HTTP performance testing, JUnit/ NUnit/ XUnit testing, scripting and best practices. Lecture and hands-on labs.

### COURSE OUTLINE:

#### Day 1

1. Introduction
  - a. Introduction to TestComplete
  - b. About the Courseware
  - c. What you need have for the course
  - d. What you need to know for the course
  - e. How the courseware is Organized
2. AutomatedQA
  - a. History
  - b. Product Offerings
3. Overview of Testing and TestComplete
  - a. Terminology
  - b. Type of Testing
  - c. Before you begin
    - a. Most Important Test
4. TestComplete IDE
  - a. Menus and Toolbars
  - b. Panels and Workspace
    - i. Object Browser
    - ii. Editor
5. Projects and Suites
  - a. Project Anatomy
  - b. New Project Wizard
  - c. Hands On Lab
6. Project Items
  - a. Win32 Tested Applications
7. Test Log
  - a. Script Log
  - b. Emailing Results
  - c. LockEvents
8. Named Mappings
  - a. Map to Object
  - b. Highlight Object
  - c. Mapping Dialog
    - a. Aliases in Script
9. Unit Testing
  - a. Types of Unit Tests Supported
  - b. Example of NUNIT
  - c. Hands On Lab
10. Manual Testing
  - a. Setting up a manual test project
  - b. Hands on Lab
11. Basic Record and Playback
  - a. Overview
  - b. Recording Toolbar Anatomy
    - i. Adding Text
    - ii. Changing Recording Types
    - iii. Pausing
    - iv. Stopping
  - c. Hands on Lab
12. Low Level Procedure
  - a. Recording
  - b. Hands on Lab

## COURSE OUTLINE:

### Day 2

1. Stores and Checkpoints
  - a. Region Comparisons
  - b. File Comparisons
  - c. Object Comparisons
  - d. Hands on Lab
2. Data-Driven Testing
  - a. Overview
  - b. Modifying Scripts
  - c. Hands on Lab
3. Event Handling
  - a. General Events Definition
    - i. OnLogError
  - b. Unexpected Windows
  - c. Hands on Lab
4. Working with Databases
  - a. ADO
  - b. BDE
  - c. Hands on Lab

### Day 3

1. Web Page Testing
  - a. Web Page Model
  - b. Naming Conventions
  - c. Web Comparison Checkpoint
  - d. Web Accessibility Checkpoint
  - e. Find Web Page Elements
  - f. Dynamic HTML
  - g. Hands on Lab
2. Web Services Testing
  - a. Testing against WSDL
  - b. Web Services Checkpoint
  - c. Web Services Testing Dialogs
  - d. XML Checkpoint
  - e. Hands on Lab

### Day 3 (continued)

3. HTTP Performance Testing
  - a. Performance Testing You Web Applications
  - b. HTTP Load Testing Options
  - c. Cookie Handling
  - d. Recording
  - e. Connections, Requests and Responses
  - f. Visual Creation of a Load Test
  - g. Analysis of the Test Log
  - h. Modifying HTTP Traffic
  - i. Hands on Lab
4. Remote Agent
  - a. Installing Remote Agent
  - b. Running Remote Agent
  - c. Configuring Remote Agent
  - d. Hands on Lab
5. Distributed Testing
  - a. Network Suites
  - b. Hosts
  - c. Jobs/Tasks
  - d. SynchPoints
  - e. Setup
6. User Forms
  - a. Creating
  - b. Scripting
7. Best Practices
  - a. General
  - b. Web Pages

### Day 4

One On One session with students to apply the training to their own applications, and provide best practices in general.