

**TestComplete for Script Testers**

**Course Number:** TSTC-102  
**Duration:** 2 days

**Overview**

This SmartBear© TestComplete™ for Script Testers training course teaches attendees how to run fully automated tests against a full range of software products using the latest version of SmartBear's TestComplete. Participants learn how to leverage TestComplete's full set of tools for test automation and create JavaScript tests for automation, including Windows client, Web client, database access, and more.

**Note:** This class has a maximum attendance of 10 instead of Accelebrate’s standard cap of 15.

**Prerequisites**

All students must have worked in a QA environment and have some TestComplete experience. If you are not comfortable with Javascript, we recommend you take our [TestComplete for Keyword Testers](file:////training/testcomplete-keyword-testers) course.

**Materials**

All TestComplete training students receive comprehensive courseware.

**Software Needed on Each Student PC**

* TestComplete installed

**Objectives**

* Navigate the TestComplete interface
* Incorporate scripting
* Use the code editor
* Work with the test log
* Create and modify checkpoints
* Use the NameMapping editor
* Debugging a JavaScript test
* Use events
* Create data-driven scripting tests
* Perform web testing
* Test Web Services
* Incorporate low-level procedures
* Leverage user forms
* Incorporate best practices

**Outline**

* Introduction
* Overview of TestComplete
  + About the IDE
  + Project Workspace Tab
  + Project Explorer
  + Project Suites and Projects
  + Project Items
  + Workspace
  + Object Browser Tab
* Scripting
  + Script Language Choice
  + Script Project Items
  + The Code Editor
  + Functions in other Units and Projects
* Test Log
  + Test Results
  + Log Window
  + Log Structure
  + Logged Images
  + Changing Log Appearance
  + LockEvents
  + Test Log Project Options
* Stores & Checkpoints
  + About Stores & Checkpoints
  + Checkpoint Wizard
  + Creating Checkpoints
  + Checkpoints
  + Selecting an Object
  + Property Checkpoint
  + Recommended Usage
  + Object Checkpoint
  + Using Groups within an Object Checkpoint
  + Modifying an Existing Object Checkpoint
  + Region Checkpoint
  + Recommended Usage
  + Table Checkpoint
  + File Checkpoint
  + Recommended Usage
  + XML Checkpoint
  + Updating Checkpoints
* NameMapping and Aliases
  + Understanding NameMapping
  + Benefits of Name Mapping
  + Automatic Name Mapping
  + Creating NameMappings
  + Using NameMapping Editor
  + Modifying a Name Mapping
  + Leveraging Name Mappings to Managed Changes to UI
* TestComplete Debugging
  + Debugging a  Javascript test
  + Methods of Starting a Debug Session
  + Exploring the Debugger Windows
  + Call Stack
  + Locals
  + Watch List
  + Breakpoints
* Event Handling
  + Using Events
  + Handling OnLogError event
  + Handling Unexpected Windows
* Data-Driven Testing
  + CSV Vs Excel Vs Database as a source for DDT
  + The DB Table Object
  + Creating Data-Driven Script Tests
* Web Testing
  + Web Application Testing
  + Understanding TestComplete's View of Web Applications
  + DOM Vs Tag Vs Tree Vs Hybrid
  + The Page Object
  + Object Browser's Hybrid Mode
  + Web Application Login
  + Web Stores & Checkpoints
  + Web Comparison
  + Web Accessibility
* Web Services Testing
  + Overview of Web Services
  + Importing a Web Service
  + Using the Web Services Checkpoint
  + Calling Web Service Functions
* Low-Level Procedures
  + About Low-Level Procedures
  + Recording Low-Level Procedures
* User Forms
  + Using the Designer
  + Calling User Forms in a Keyword Test
* Best Practices
* Conclusion