

**TestComplete for Keyword Testers**

**Course Number:** TSTC-100  
**Duration:** 2 days

**Overview**

This SmartBear© TestComplete™ for Keyword 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 how to create Keyword-Driven Tests for automation, including Windows client, Web client, and database access.

**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.

**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
* Debug a keyword-driven test
* Use events
* Create data-driven keyword tests
* Perform web testing
* Import and use Web Services testing
* Set up a distributed test
* Create a manual test
* Incorporate low-level procedures
* Leverage user forms
* Leverage 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
* Introduction to Keyword-Driven Testing
  + What is Keyword-Driven Testing?
  + Creating Keyword Tests
  + Recording from the Start Page
  + Recording from the main Test Engine Toolbar
  + Recording from the Keyword Test Editor
  + Creating Keyword Tests from the Project Explorer
  + About the Recording toolbar
  + About the Keyword Test Editor
  + Test Steps Tab
  + Variables Tab
  + Parameters Tab
  + Using Variables and Parameters
  + Playback of Keyword Tests
  + About the Log Window
  + Test Log Options
* Editing Keyword Tests
  + TestComplete Keyword-Driven Testing Made Easy
  + Editing Keyword Test Steps
  + Editing Test Step Columns
  + Working with Operations
  + Adding Operations to a Test
  + Adding Conditional Logic
  + Error Handling
  + Error Handling Operations
* Using 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 Keyword-Driven Test
  + Methods of Starting a Debug Session Contents
  + Exploring the Debugger Windows
  + Call Stack
  + Locals
  + Watch List
  + Breakpoints
* Event Handling
  + Using Events
  + Handling OnLogError event
* Data Driven Testing
  + About the DDT Object
  + Creating Data Driven Keyword Tests
  + Adding DDT operations to a Keyword Test
  + DBTable Checkpoint
  + Creating a DBTable Checkpoint
  + Executing the DBTable Checkpoint
* Web Testing
  + Web Application Testing
  + Understanding TestComplete's View of Web Applications
  + The Page Object
  + Object Browser's Hybrid Mode
  + Web Application Login
  + Web Stores & Checkpoints
  + Web Comparison
  + Web Accessibility
  + Web Audits
* 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
* Conclusion