

**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