



# TestComplete

by SMARTBEAR



## TestComplete

### Test Automation for Desktop, Web, and Mobile

#### Affordable, Logical, Test Automation Platform

TestComplete is an open, functional automated testing environment with support for Web, mobile, desktop, and client-server applications. With TestComplete's intuitive GUI, new and experienced QA practitioners can quickly create and perform automated tests, freeing up more cycles for human-based testing.

As software development teams adopt Agile and DevOps methodologies, the velocity and tempo of release cycles are becoming more iterative with less time to test every build. TestComplete is the perfect test automation solution for teams using continuous integration and development with integration to popular third-party applications, source control, test management and CI tools.

#### Modular Design Offers User Flexibility

The TestComplete Platform provides a test IDE with foundational components for automated testing, recording and integration with third-party apps. Combined with the following modules, you have access to specific capabilities that meet your test automation needs.



#### Key Features of TestComplete

- ◆ Desktop, Web and Mobile Testing
- ◆ Keyword Driven and Scripted Testing
- ◆ Test Recording and Playback
- ◆ Cross-Browser Web Testing
- ◆ HTML5, Flex, Flash and Silverlight Support
- ◆ Distributed Testing
- ◆ Data-Driven Testing

#### Keyword Testing and Scripted Testing

Regardless of your experience with automated test scripts and script management, TestComplete helps with intuitive features for newcomers and more advanced options for the seasoned tester.

You can start creating keyword-driven tests either with the TestComplete Record and Playback feature or visually with the operation menu. For the more experienced automated tester, you can build your scripts in multiple scripting languages, allowing you to use the language that is most comfortable for you. TestComplete supports the following scripting languages:

- ◆ JavaScript
- ◆ VBScript
- ◆ DelphiScript
- ◆ C++ Script
- ◆ C# Script

#### Third-Party Integrations

TestComplete supports a wide range of third-party controls and integration with Agile and continuous integration build tools. In addition, you may version your tests directly from the TestComplete IDE using a source control system of your choice and file defects with the most popular bug tracking tools, ultimately streamlining the tester's workflow.

#### TestComplete SDK

TestComplete's COM-based architecture, which is the framework of its entire functionality, includes plug-ins that are included in the product and installed on to your computer along with other TestComplete modules.

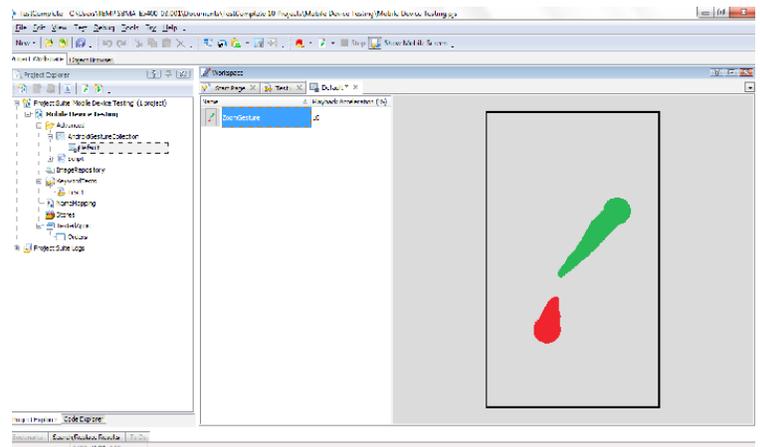
The TestComplete SDK allows you to create your own plug-ins that will extend TestComplete's functionality, including:

- ◆ Custom control sets
- ◆ Custom keyword test operations
- ◆ New scripting objects
- ◆ Custom checkpoints

## Desktop Module - Automated Testing for Desktop Applications

Supporting all the most popular technologies for 32-bit and 64-bit Windows desktop testing, TestComplete integrates seamlessly with Visual Studio projects, particularly for Team Foundation Server (TFS) systems. Automated tests can be materialized and run for the following types of applications:

- ◆ Windows Store Apps
- ◆ Delphi
- ◆ WPF
- ◆ Java
- ◆ Visual C++
- ◆ Qt



Recording and playback of Android gestures in TestComplete

## Web Module - Cross Browser, RIA and Mobile Web Testing

There is no need to write multiple scripts for multiple browsers; with one cross-browser test script you can test your application within all five supported browsers. Your team can verify application and functional issues within each browser: Chrome, Firefox, Internet Explorer, Safari, Opera.

In addition, TestComplete supports all the latest technologies on the Web including:

- ◆ HTML5
- ◆ AIR
- ◆ Flash
- ◆ Apache Flex
- ◆ Silverlight
- ◆ AJAX

Mobile Web applications can be tested within TestComplete automatically on the desktop using Google Chrome's mobile browser emulation, with exact screen sizes corresponding to specified devices.

## Mobile Module - Real-Device Mobile Test Automation

Mobile applications receive much higher scrutiny from customers than desktop or Web applications, so they need to function fluently with as few defects as possible. TestComplete Mobile allows your test scripts and keyword driven tests to run on Android and iOS devices. Additionally, you can create a test script for your mobile app and run that test on multiple devices, one at a time.

### TestComplete Mobile includes:

- ◆ Native Android and iOS Support
- ◆ Object Recognition
- ◆ Gesture Recording and Playback
- ◆ Mobile Screen Visualizer



## About SmartBear Software

SmartBear is the choice of more than two million software professionals and over 25,000 organizations in 90 countries that use its products to build and deliver the world's best software applications. The company's user centric application management solutions support the key software delivery processes of **development**, **testing**, **API readiness** and **application performance management** across desktop, Web and mobile platforms. With millions of developers, testers and operations teams already using its products, SmartBear is profitable, growing, global and poised to support the emergence of DevOps. Be a smart bear. Get started building and delivering the planet's next great application at [www.smartbear.com](http://www.smartbear.com).

## Supported Environments and Technologies

- ◆ Microsoft® Windows® (32-/64-bit): Windows 8+8.1, Windows 7, Windows Vista, Windows XP; Windows Server 2012, 2008 and 2003, Team Foundation Server 2012
- ◆ .NET Framework 2.0 – 4.5
- ◆ .NET compilers from Microsoft, Embarcadero®, and other vendors (C#, VB.NET, Delphi for .NET,
- ◆ Python .NET, COBOL.NET, Perl.NET, etc.)
- ◆ Microsoft Visual Studio® 2013, 2012, 2010, 2008, 2005 SP1, 2003, 2002
- ◆ Windows Store (formerly Modern UI and Metro UI)
- ◆ Borland® Delphi 7, C++Builder 6 through Embarcadero 2010, Embarcadero RAD Studio XE through XE4
- ◆ Browsers: IE 7 – 10, Firefox 18 – 23, Chrome 22 – 33, Safari 5, Opera 12 – 19
- ◆ Web 2.0: AJAX, HTML5, Apache Flex up to 4.9, Adobe® Flash 10 and later, AIR 3 and 2, and Microsoft Silverlight 5 and 4
- ◆ Java Runtime Environments (JRE) 1.5 – 1.7
- ◆ Android 4.x
- ◆ iOS 6.x and 7.0 – 7.0.4
- ◆ Microsoft WPF and MFC, JavaFX2, Qt 4 - 5, extJS 4
- ◆ JIRA 6.0, 5.2, 5.0; Bugzilla, QAComplete, OnTime 2012 – 2014
- ◆ Integrated performance profiling with AQtime 7 and 8