



# Open2Test Test Automation Framework for SilkTest - Usage Guidelines

Version 1.0

January 2010

## **D I S C L A I M E R**

*Verbatim copying and distribution of this entire article is permitted worldwide, without royalty, in any medium, provided this notice is preserved.*

---

**TABLE OF CONTENTS**

1	PURPOSE OF THE DOCUMENT .....	3
2	ORGANIZATION OF THE DOCUMENT .....	4
2.1	General Documents .....	4
2.2	Java Framework Documents .....	4
3	LIST OF DOCUMENTS .....	5
3.1	General Documents .....	5
3.2	Java Documents .....	5
4	USE OF OPEN SOURCE TEST AUTOMATION FRAMEWORK DOCUMENTS .....	6
4.1	Open2Test Test Automation Framework for SilkTest - Introduction .....	6
4.2	Open2Test Test Automation Framework for SilkTest - .....	6
	Implementation Guide .....	6
4.3	Open2Test Test Automation Framework for SilkTest - FAQ .....	6
4.4	Open2Test Test Automation Framework for SilkTest - Coding .....	6
	Standards for Developers .....	6
4.5	Open2Test Test Automation Framework for SilkTest - Standards for .....	7
	Keyword Scripting .....	7
4.6	Open2Test Test Automation Framework for SilkTest - Quick Start .....	7
	Guide .....	7
4.7	Open2Test Test Automation Framework for SilkTest - Extensibility for .....	7
	Developers .....	7
4.8	Open2Test Test Automation Framework for SilkTest - Tips and Tricks .....	7
4.9	List of Keywords .....	8
4.10	Open2Test Test Automation Framework for SilkTest - Description .....	8
4.11	Keyword Naming Conventions .....	8
4.12	Support Matrix .....	8

## 1 PURPOSE OF THE DOCUMENT

The purpose of this document is to provide a glimpse into the supporting documents prepared for the Open Source Test Automation Framework that can be used for understanding, customizing, and maintaining the framework code. This document is designed to promote reuse and extensibility of the Open Source Test Automation Framework.

## 2 ORGANIZATION OF THE DOCUMENT

This document is categorized into two parts:

- General Documents
- Java Framework Documents

### 2.1 General Documents

The documents presented under this section can be used for all technologies of the application for SilkTest.

### 2.2 Java Framework Documents

The documents presented under this section can be used for the Java framework.

## 3 LIST OF DOCUMENTS

### 3.1 General Documents

- Open2Test Test Automation Framework for SilkTest - Introduction
- Open2Test Test Automation Framework for SilkTest - Implementation Guide
- Open2Test Test Automation Framework for SilkTest - FAQ
- Open2Test Test Automation Framework for SilkTest - Coding Standards for Developers
- Open2Test Test Automation Framework for SilkTest - Quick Start Guide
- Open2Test Test Automation Framework for SilkTest - Extensibility for Developers
- Open2Test Test Automation Framework for SilkTest - Tips and Tricks

### 3.2 Java Documents

- Open2Test Test Automation Framework for SilkTest - List of Keywords
- Open2Test Test Automation Framework for SilkTest - Description
- Open2Test Test Automation Framework for SilkTest - Keyword Naming conventions
- Open2Test Test Automation Framework for SilkTest - Tool Version Support Matrix for Java
- Open2Test Test Automation Framework for SilkTest - Standards for Keyword Scripting
- Open2Test Test Automation Framework for SilkTest - Usage Guidelines

## 4 USE OF OPEN SOURCE TEST AUTOMATION FRAMEWORK DOCUMENTS

### 4.1 Open2Test Test Automation Framework for SilkTest - Introduction

- **Description:** This document provides an introduction of an effective framework called the Open Source Test Automation Framework, the framework features, as well as its architecture and benefits.
- **Utilization:** This document helps in understanding the Open Source Test Automation Framework in which the discrete functional business events that make up an application are described using keywords. The major benefits of this approach include reusability and greater productivity.

### 4.2 Open2Test Test Automation Framework for SilkTest - Implementation Guide

- **Description:** This document provides an overview of the implementation of the Open Source Test Automation Framework in SilkTest. The Open Source Test Automation Framework is an application-independent framework that deals with all possible actions and verifications that can be performed on an object.
- **Utilization:** This document helps in implementing the framework code for a given technology across different applications.

### 4.3 Open2Test Test Automation Framework for SilkTest - FAQ

- **Description:** This document provides answers to some frequently asked questions about the Open Source Test Automation Framework.
- **Utilization:** This document helps in finding answers to frequently asked questions about the Open Source Test Automation Framework.

### 4.4 Open2Test Test Automation Framework for SilkTest - Coding Standards for Developers

- **Description:** This document provides details about the various columns used during scripting, the keywords and their descriptions, and some methodologies to be followed while scripting using keywords.
- **Utilization:** This document provides guidelines for creating keyword scripts.

---

#### 4.5 Open2Test Test Automation Framework for SilkTest - Standards for

##### Keyword Scripting

- **Description:** This document describes the standards to be followed when designing and developing framework code.
- **Utilization:** This document provides the naming conventions to be followed for the variables, constants, function definitions, declarations, and comment standards across the framework code for all technologies.

#### 4.6 Open2Test Test Automation Framework for SilkTest - Quick Start

##### Guide

- **Description:** This document provides a brief overview of the settings used with keyword-driven scripting in SilkTest.
- **Utilization:** This document helps in creating new tests, establishing test settings for keyword-driven scripting, calling the framework code, using keywords, test execution, and viewing the test results.

#### 4.7 Open2Test Test Automation Framework for SilkTest - Extensibility for Developers

- **Description:** This document describes the guidelines to be followed when customizing framework code.
- **Utilization:** This document provides guidelines for adding or modifying the functions or keywords in the framework code.

#### 4.8 Open2Test Test Automation Framework for SilkTest - Tips and Tricks

- **Description:** This document provides an overview for handling frequently encountered scripting problems and some valuable do's and don't's to maximize efficiency of the Open Source Test Automation Framework. This document requires prior knowledge and working experience with the Open Source Test Automation Framework.
- **Utilization:** This document serves as a quick reference for solving issues faced when using the Open Source Test Automation Framework.

## 4.9 List of Keywords

- **Description:** This document provides the list of available keywords in the Open Source Test Automation Framework. This document also provides keywords syntax that needs to be followed while creating keyword test scripts. This document also provides examples and description for each keyword, which helps in understanding the functionality of all the keywords.
- **Utilization:** This document helps as a quick reference for using all the available keywords.

## 4.10 Open2Test Test Automation Framework for SilkTest - Description

- **Description:** This document provides a detailed explanation of framework code. All the functions available in the framework code are explained in detail.
- **Utilization:** This document can be used for understanding the functionality of framework code. It also helps in maintaining and enhancing the framework code.

## 4.11 Keyword Naming Conventions

- **Description:** This document provides the naming conventions used in the Open Source Test Automation Framework to generate the keyword scripts. This includes the naming convention used for keywords, objects, actions, and variables. Since this document can be customized based on requirements, it falls under the category 'Contributors Document'.
- **Utilization:** This document helps in providing standards that need to be followed while designing keywords.

## 4.12 Support Matrix

- **Description:** This document provides the Open Source Test Automation Framework features and Objects supported by different versions of the SilkTest Tool.

- **Utilization:** This document helps in understanding the Open Source Test Automation Framework features and objects that are supported by different versions of SilkTest.

---

### COPYRIGHT

*This library is free software; you can redistribute it and/or modify it under the terms of the GNU Library General Public License as published by the Free Software Foundation; either version 2 of the License, or (at your option) any later version.  
This library is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE.  
See the GNU Library General Public License for more details.*