QTP Open Source Test Automation Framework Usage Guidelines

Version 1.2

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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 the following four parts:

- General Framework Documents
- Web Framework Documents
- Windows Framework Documents
- .NET Framework Documents

2.1.   General Documents

The documents presented under this section can be used for all types of technologies of the Open Source Test Automation Framework.

2.2.   Web Framework Documents

The documents presented under this section can be used for Web frameworks.

2.3.   Windows Framework Documents

The documents presented under this section can be used for windows frameworks.

2.4.   .NET Framework Documents

The documents presented under this section can be used for .NET frameworks.

3.   List of Documents

3.1.   General Documents

- QTP Open Source Test Automation Framework Introduction

- QTP Open Source Test Automation Framework Implementation Guide

- QTP Open Source Test Automation Framework FAQ

- QTP Open Source Test Automation Framework Coding Standards for Developers

- QTP Open Source Test Automation Framework Quick Start Guide

- QTP Open Source Test Automation Framework Extensibility for Developers

- QTP Open Source Test Automation Framework Tips and Tricks

3.2.   Web Documents

- QTP Open Source Test Automation Framework Keywords for Web

- QTP Open Source Test Automation Framework for Web

- QTP Open Source Test Automation Framework Keyword Naming Conventions for Developers (Web)

- QTP Open Source Test Automation Framework Tool Version Support Matrix for Web

- QTP Open Source Test Automation Framework Scripting Standards for Web

3.3.   Windows Documents

- QTP Open Source Test Automation Framework Keywords for Windows

- QTP Open Source Test Automation Framework for Windows

- QTP Open Source Test Automation Framework Keyword Naming Conventions for Developers (Windows)

- QTP Open Source Test Automation Framework Tool Version Support Matrix for Windows

- QTP Open Source Test Automation Framework Scripting Standards for Windows
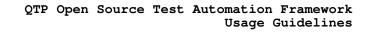
3.4.   .NET Documents

- QTP Open Source Test Automation Framework Keywords for .NET

- QTP Open Source Test Automation Framework for .NET

- QTP Open Source Test Automation Framework Keyword Naming Conventions for Developers (.NET)

- QTP Open Source Test Automation Framework Tool Version Support Matrix for .NET

- QTP Open Source Test Automation Framework Scripting Standards for .NET

4.   Use of Open Source Test Automation Framework Documents

4.1.   QTP Open Source Test Automation Framework Introduction

- **Description**: This document provides an introduction to 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.   QTP Open Source Test Automation Framework Implementation Guide

- **Description**: This document provides an overview of the implementation of the Open Source Test Automation Framework in HP QuickTest Professional (QTP). 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.   QTP Open Source Test Automation Framework 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.   QTP Open Source Test Automation Framework Coding Standards for Developers

- **Description**: This document provides details about the various columns used during scripting, the keywords and their descriptions, along with some methodologies to be followed while scripting using keywords.

- **Utilization**: This document provides guidelines for creating keyword scripts.

Note: This document can be used for Web, windows, and .NET technologies.

4.5.   QTP Open Source Test Automation Coding Standards

- **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 and constants, function definitions and declarations, and comment standards across the framework code for all technologies.

4.6.   QTP Open Source Test Automation Quick Start Guide

- **Description:** This document provides a brief overview of the settings used with keyword-driven scripting in QTP.

- **Utilization:** This document helps in creating new tests, associating with required add-ins, establishing test settings for keyword-driven scripting, managing the object repository, calling the framework code, using keywords, and performing Quality Center connections and test execution.

4.7.   QTP Open Source Test Automation Framework 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.   QTP Open Source Test Automation Tips and Tricks

- **Description:** This document provides an overview of handling frequently encountered scripting problems and some valuable do's and don'ts 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 with 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 keyword syntax that needs to be followed while creating keyword test scripts. This document also provides examples and description for each keyword to help in understanding their functionality.

- **Utilization:** This document helps as a quick reference for using all the available keywords.

Note: Web, windows. and .NET each have a separate document to describe the respective keywords.

4.10.   QTP Open Source Test Automation Framework

- **Description:** This document provides 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

Note: Web, windows, and .NET each have a separate document to describe the respective keywords.

4.11. Keyword Naming Conventions

- **Description**: This document provides the naming conventions used in the Open Source Test Automation Framework to generate keyword scripts. This includes the naming convention used for keywords, objects, actions, variables, datatables, parameters, and environment. This document can be customized based upon the requirements and hence falls under the category 'Contributors Document'.

- **Utilization**: This document provides standards that needs to be followed while designing keywords.

Note: Web, windows, .NET each have a separate document to describe the respective keyword naming conventions.

4.12. Support Matrix

- **Description**: This document describes the Open Source Test Automation Framework features and objects supported by different version of the QTP Tool.

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

Note: Web, windows, and .NET each have a separate document to describe the respective support matrices.