



Open2Test Test Automation Framework for OpenScript - FAQ

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1. Introduction

1.1. Purpose

The purpose of this document is to answer frequently asked questions about the Open2Test Test Automation Framework for OpenScript.

2. Frequently Asked Questions

2.1. Open2Test Test Automation Framework

The table below lists answers to FAQs related to the Open2Test Test Automation Framework.

1.	Is the Open2Test Test Automation Framework application-dependent? No, it is not application-dependent. The Open2Test Test Automation Framework is designed to support functional testing of Web-based applications that use the Web Document Object Model (DOM).
2.	Is Open2Test Test Automation Framework technology-dependent? Open2Test Test Automation Framework supports the automation of Web-based applications that use Web DOM, irrespective of technology. This framework can also be used with AJAX applications.
3.	Does the framework support the Keyword Test Case only in .csv format? Yes. Keyword Test Case can be used only in .csv format.
4.	Does it require configuring the Databank before using it with the test script? Yes. Users should configure the databank before using it with the test script.
5.	What are the benefits of using this framework? The Open2Test Test Automation Framework provides the following benefits: <ol style="list-style-type: none">1. The testers can automate test cases without the help of programmers or without having a programming background.2. Users can run automated test cases more reliably.3. The Open2Test Test Automation Framework reduces maintenance and increases productivity.4. Keywords are application-independent.
6.	Is it possible to use the Open2Test Test Automation Framework on two different technologies? If yes, then what is the procedure for doing so? Yes, it is possible to use the Open2Test Test Automation Framework on two different technologies. The procedure is: <ol style="list-style-type: none">1. If there are common variable declarations in two framework files, remove them from one of the frameworks.2. Use different Run_options such as "w" for Web or "o" for Oracle Forms in the first column of the keyword script.3. Insert the "A1" and "A2" piece of code in the "B" piece of code in the 'run()' module of the Web framework as below. A1: FormsFramework OF = new FormsFramework(TCPPath,ObjPath, DBAlias); OF.set(ISvu, iConnection); A2: <pre>if ((currow.get(COL1)).equalsIgnoreCase("o")) { OF.run(); }</pre> B:

	<pre>ft.loadObjectLibrary("objlib", ObjPath,LibraryLocation.AbsolutePath); KTCase = utilities.loadCSV(TCPath); StpCnt = KTCase.getRowCount(); A1 → Insert A1 Piece of code here for (i=0;i<StpCnt;i++) { rownum = I + 2; currow = KTCase.getRow(i); A2 → Insert A2 Piece of code here if ((currow.get(COL1)).equalsIgnoreCase("r")) { Func_clearData(); Func_fetchData(currow); }</pre> <p>4. Associate the Open2Test Test Automation Framework for two different technologies to OpenScript.</p>
7.	<p>Does the Open2Test Test Automation Framework support a data-driven framework? Yes.</p>
8.	<p>Does it support a function-modular framework? Yes.</p>
9.	<p>What are the prerequisites for using the Open2Test Test Automation Framework? The prerequisites for using the Open2Test Test Automation Framework are:</p> <ol style="list-style-type: none"> 1. Knowledge of the keywords. 2. Basic knowledge of Oracle OpenScript. 3. All the necessary files should be associated.
10.	<p>Does the Open2Test Test Automation Framework support all versions of OpenScript? Yes. For more information please refer to the support matrix document.</p>
11.	<p>What are the various components of the Open2Test Test Automation Framework? The components include: Object Library, Keyword Test Script, External Test Data, Framework Engine, User-Defined Functions, Common Functions, and Test Report.</p>
12.	<p>What are the different components needed to run an OpenScript script using the Open2Test Test Automation Framework? Create a package containing the classes 'Web_Framework', 'UDF', and 'CommonFn' and export the package in 'Manifest.MF' file. Create a new Web functional test script and paste the contents of 'DriverScript' class in it. Provide valid values for Keyword Test Case drive path, Object Library drive path, and Databank Alias name. Import the exported package in Driver Script. Execute the script. Refer to 'Open2Test Test Automation Framework for OpenScript - Quick Start Guide' for more information.</p>

13.	<p>Does the Open2Test Test Automation Framework support external functions?</p> <p>Yes, it supports external functions.</p>
14.	<p>Does the Open2Test Test Automation Framework support using an xml file for test data?</p> <p>No. If required, User-Defined Class can be created for it.</p>
15.	<p>How does the Open2Test Test Automation Framework work?</p> <p>Using the Open2Test Test Automation Framework, testers can develop test cases using Microsoft Excel, in .csv format and the available list of keywords. When the test is executed, the framework processes the Excel workbook and calls the functions associated with the keywords entered in the .csv spreadsheet. These keyword functions in turn perform specific actions against the Application Under Test (AUT).</p>
16.	<p>What are the benefits of the Open2Test Test Automation Framework?</p> <p>Reusability, greater test productivity, optimum utilization of the tool through keyword support, and minimum effort needed to build scripts.</p>
17.	<p>What are the features of the Open2Test Test Automation Framework?</p> <p>The following are the features of the Open2Test Test Automation Framework:</p> <p>Performing operations and verifications on the objects Usage of variables Conditional checking Loop constructs User-defined functions File system operations Data-driven testing Reports Exception handling Handling Web objects</p> <p>For more information, please refer to the Support Matrix documents.</p>
18.	<p>How reliable is this framework as compared to a linear script?</p> <p>The framework provides standardized, tested code. It is typically much more reliable and more thoroughly tested than recorded scripts. It also provides uniformity across automation scripts and ensures standard procedures are followed for coding.</p>
19.	<p>What is the advantage of building scripts using the Open2Test Test Automation Framework over writing code in OpenScript Tester's view?</p> <p>Given that this is a keyword-driven framework, one does not need to know programming in Java. Testers can develop scripts without learning the underlying scripting language of the tool. The tests are easier to understand, easier to maintain, and provide maximum code reuse.</p>
20.	<p>How do I decide whether I can automate an application using the Open2Test Test Automation Framework?</p> <p>The best way to decide whether the Open2Test Test Automation Framework would support the required application is to determine if OpenScript supports the underlying application under regular record and playback mode.</p> <p>If OpenScript supports the application, then it can be automated using Open2Test Test Automation Framework.</p> <p>Users can prepare Proof of Concept types of artifacts to prove the compatibility of Test Automation Framework with the application.</p>
21.	<p>What is the Open2Test Test Automation Framework?</p> <p>This framework is built for several of the leading test automation</p>

	tools. It allows scripting of test cases using a set of keywords provided as part of framework. This is often referred to as keyword-driven testing or action-based testing.
22.	<p>Can you list the Web technologies the Open2Test Test Automation Framework supports?</p> <p>As OpenScript identifies Web elements using DOM Path and XPath, it supports the following Web technologies:</p> <ol style="list-style-type: none"> 1. ColdFusion 2. ASP/VBScript/JavaScript 3. .Net (C# and VB.Net) 4. Perl 5. JSP 6. Java Servlets 7. AJAX

2.2. Keyword Scripts

The table below lists answers to FAQs related to keyword scripts.

1.	<p>What are the various keywords available in the Open2Test Test Automation Framework?</p> <p>Refer to the Keyword Reference Document for the list of keywords that are available in the Open2Test Test Automation Framework. The document covers all the keywords along with their syntax and usage.</p>
2.	<p>Does the Callfunction keyword support variables as arguments?</p> <p>Yes. Refer to the Framework Extensibility document for more information.</p>
3.	<p>Does the function return values?</p> <p>Yes, the function can return values. Refer to the Framework Extensibility document for more information.</p>
4.	<p>Does the Open2Test Test Automation Framework support a mechanism for providing multiple sets of data to the same parameter?</p> <p>Yes. Use the 'loop' keyword.</p>
5.	<p>Does the Open2Test Test Automation Framework support if-else constructs?</p> <p>Yes. Use the 'condition' - 'endcondition' keyword. But you must use two sets of conditions: endcondition keyword for implementing 'if' part and 'else' for the 'if-else' construct.</p>
6.	<p>Why isn't the system retrieving the values from the variable in test execution?</p> <p>Check whether the symbol '#' precedes the variable name in the keyword test step while retrieving the variable value.</p> <p>Check whether the characters 'dt_' precede the variable name in the keyword test step while retrieving the Databank variable name.</p>
7.	<p>Why does the system throw an error message when using the Databank variables?</p> <p>Check whether the corresponding Databank file has been configured with the driver script and make sure that a valid DB Alias name has been</p>

	provided.
8.	Does the Open2Test Test Automation Framework support reusable actions? Yes. Use the 'callaction' keyword.

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