



Open2Test Test Automation Framework for Selenium Web Driver - Tips and Tricks

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1. Introduction

1.1. Purpose

This “Tips & Tricks” document provides an overview of handling frequently encountered scripting problems and some valuable dos and don'ts to maximize the productivity of the Open Source Test Automation Framework

1.2. Scope

This document is just for understanding and reference. There might be a need to tweak the solutions provided before implementation, depending on the actual scenario in hand.



This document requires prior knowledge and working experience with the Open2Test Test Automation Framework.

2. Conditions

Conditions are basically implemented when we need a specific code to be executed only when a condition is satisfied. For ex: We would want a 'Pass' report to be sent to the log if a variable 'A' is equal to variable 'B', and we would want a 'Fail' report otherwise.

```
Syntax - r |condition|<Var A>;<condition>;<Var B>  
          Statements. . . .  
          r |endcondition
```

3. Loops

Loops prove to be a very useful tool when we have to execute code repeatedly for a given set of data. This section describes how to use the looping keywords in the Open Source Test Automation Framework to construct a loop.

Scenario: In this scenario, we have to create a set of users for the AUT. This is a repetitive job. The loop keyword of the Open Source Test Automation Framework has been designed to handle such scenarios.

To use the loop keyword, we have to place the data in a separate data sheet. For example, in Table 1 the names of the users are to be entered in a column called 'NAME'.

	NAME	B	C
1	User 1		
2	User 2		
3	User 3		

Table 1: Data Table

As shown in the example below, at line number 10 we have the loop keyword that has the number of iterations as the argument. At line number 11, we are setting the context and in 12 we are entering the user name. Here, the value has to be retrieved from the 'NAME' column of the 'Action 1' sheet. Hence, we have used 'set:dt_NAME'.

If we want to run it two times, then it could be done by inserting '2' in the 'D' column in line number 10.

Line	A	B	C	D	Remarks
10	r	loop	2		Loop Keyword
11	r	perform	Textbox;UserName	Set:dt_NAME	Setting value from col 'NAME' of 'Action 1' sheet of QTP.
12	r	perform	Button;Submit		
13	r	endLoop			

Table 7: Loops

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