

Automation Engineer Level 1

Exercise 7

Folder and File operations
using Standard Modules



Objective

By the end of this exercise, you will be able to make use of the Standard Modules to perform folder operations such as creating new folder, file operations such as creating new files, copying a file, and verifying file content in Windows using Tosca.

Why is this Important?

Tricentis Standard Modules allow automation of common folder and file operations, so getting familiar with them can be extremely useful.

Project Perspective

Some SUTs save or create files that are supposed to be verified. It would be useful to have the folder operations and file operations Standard Modules available for use in such instances.

Instructions

1. Log in to your Tosca Commander workspace and navigate to the path **AE1 Exercises>>TestCases>> Standard Modules**
2. Create a new TestCase in this folder and name it as **Folder and File operations**
3. Add the Standard Module **TBox Create Folder** in this TestCase and rename the TestStep to **Create new Folder**
4. Input **Values** as shared in the table below:

TestStep Value	Value	ActionMode
Path	C:\Tosca_Projects\Files	Input

5. Add the Standard Module **TBox Read/Create File** in the TestCase **Folder and File operations** and rename the TestStep to **Create new File**

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6. Input **Values** as shared in the table below:

TestStep Value	Value	ActionMode
Directory	C:\Tosca_Projects\Files	Input
File	SourceText.txt	Input
Text	This is a sample text	Input

7. Add the Standard Module **TBox File Existence** in the TestCase **Folder and File operations** and rename the TestStep to **Verify File Existence**

8. Input **Values** as shared in the table below:

TestStep Value	Value	ActionMode
Directory	C:\Tosca_Projects\Files	Input
File	SourceText.txt	Verify

9. Add the Standard Module **TBox Copy File** in the TestCase **Folder and File operations** and rename the TestStep to **Create a copy of the file**

10. Input **Values** as shared in the table below:

TestStep Value	Value	ActionMode
Source	C:\Tosca_Projects\Files\SourceText.txt	Input
Target Directory	C:\Tosca_Projects\Files	Input
Target Filename	TargetText.txt	Input

11. Add the Standard Module **TBox File Compare** in the TestCase **Folder and File operations** and rename the TestStep to **Compare two files**

12. Input **Values** as shared in the table below:

TestStep Value	Value	ActionMode
FirstFilePath	C:\Tosca_Projects\Files\SourceText.txt	Input
SecondFilePath	C:\Tosca_Projects\Files\TargetText.txt	Input
DiffReportOutputFolder	C:\Tosca_Projects\Files	Input

13. Add the Standard Module **TBox Delete File** in the TestCase **Folder and File operations** and rename the TestStep to **Delete the Target File**

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14. Input **Values** as shared in the table below:

TestStep Value	Value	ActionMode
Directory	C:\Tosca_Projects\Files	Input
File	TargetText.txt	Input

15. Mark the TestCase Completed and run the TestCase **Folder and File operations** in ScratchBook

Note: To execute this TestCase repeatedly, make sure to delete the **SourceText.txt** file as well.

Expected outcome:

The TestCase should be executed successfully, performing all the folder and file operations and verifications effectively.

Hints

1. Various other files such as XML, JSON, Excel can be created using the dedicated Standard Modules for these file types
2. Excel and PDF files can be compared 1:1 using their 1:1 comparison Standard Modules