

# Automation Engineer Level 1

## Exercise 1e

Excel 1 to 1 comparison



### Objective

By the end of this exercise, you will be able to make use of the Excel Engine 3.0 standard Module **TBox Excel 1:1 File Compare** in Tosca to compare two excel files and generate a comparison report.

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### Why is this Important?

It is possible to perform cell to cell comparison of two Excel files and store the result in a text file using the standard Module **TBox Excel 1:1 File Compare**. This module allows us to compare one or multiple Excel sheets of two workbooks.

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### Project Perspective

Excel is used all across to store data and is integrated with many SUTs. There are use cases that require comparing two Excel files and this can be achieved using the standard Module - **TBox Excel 1:1 File Compare**.

### Instructions

1. Download the Excel files – **Sales\_Data\_v1.xlsx** and **Sales\_Data\_v2.xlsx** from the downloads section of this lesson and move them to **C:\Tosca\_Projects** in your system.
2. Log in to Tosca Commander and navigate to the path **AE1 Exercises>>TestCases>>Excel Engine** and create a new **TestCase** in this folder and name it as **Compare two excel files**
3. Add the Standard Module **TBox Excel 1:1 File Compare** to the TestCase **Compare two excel files** and rename it as **Compare excel files**

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

TestStep Value	Value	ActionMode
Reference File	C:\Tosca_Projects\Sales_Data_v1.xlsx	Input
Target File	C:\Tosca_Projects\Sales_Data_v2.xlsx	Input
Include Cells Data	True	Input
Include Formats	True	Input
Include Sheets	Employee_Data	Input
Output Path	C:\Tosca_Projects\Result.txt	Input

5. Mark the TestCase **Completed** and run it in ScratchBook.

### Expected outcome

The TestCase should be executed successfully, and the cell values and properties of the two Excel files would be compared successfully. A text file will be created in the defined folder location containing the comparison result.

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### Hints

1. You can compare multiple excel sheets by providing their names separated by a semi colon in the Include Sheets TestStepValue
2. You can compare the password protected Excels by providing the password in the respective TestStepValues