

Automation Engineer Level 1

Exercise 3d

Receive Mail - Expert



Objective

By the end of this exercise, you will be able to demonstrate how to use Tosca to filter the emails you receive based on multiple criteria.

Why is this Important?

When you receive multiple emails with the same subject, you may want to verify one or several of them. The **Receive Mail - Expert** Module comes in handy in such instances.

Project Perspective

In many end-to-end testing scenarios, email notification is verified, or an email confirmation is sent after a process has been completed.

Instructions

1. Manually send yourself an email. Keep the subject as **Sample Mail** and in the body type the message **"This is a test email"**
2. Manually create and send a second email to yourself. Keep this subject as **Sample Mail** and in the body type the message **"This is a test of the Tosca mail engine."**
3. Manually create and send a third email to yourself. Keep the subject as **Sample Mail** and in the body type the message **"Here is the file you wanted"**. Add the attachment **order_80880.pdf** located in C:\Tosca_Projects\
4. In Tosca Commander, navigate to **AE1 Exercises>>TestCases>>Email Engine**
5. Create a new TestCase and name it as **Read multiple emails using Receive Mail Expert**
6. Under the modules tab navigate to **Standard modules > TBox > Mail**
7. Add the module **Connect to Exchange Server** in this TestCase
8. Fill the details required to establish connection with Exchange server in the TestStep created after dropping **Connect to Exchange Server** module
(Use ExchangeConnectionExpert as the Connection Name)

9. Add the module **Receive Mail – Expert** in this TestCase module and rename the TestStep to **Get Mail count**

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

TestStep Value	Value	ActionMode
Connection Name	ExchangeConnectionExpert	Input
Search Criteria		Select
Search Criteria -> Subject	Sample Mail	Input
Search Criteria -> Number of Emails to Examine	10	Input
Result		Select
Result -> Result Count	MailCount	Buffer

11. Right click on the TestCase and select **Create New TestStep** folder. Rename this folder as **Read content of multiple emails**. In the properties tab locate the property **Repetition** and ensure the value is set to **{B[MailCount]}**

12. In the TestStep Folder **Read content of multiple emails** add the Standard Module Receive Mail Expert and rename this TestStep as **Read content of multiple emails**

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

TestStep Value	Value	ActionMode
Connection Name	ExchangeConnectionExpert	Input
Search Criteria		Select
Search Criteria -> Subject	Sample Email	Input
Search Criteria -> Number of emails to examine	{B[MailCount]}	Input
Result		Select
Result -> Mail	\${REPETITION}	Select
Result -> Body	Body_{REPETITION}	Buffer
Result -> Address	.HTML->Address_{REPETITION}	Buffer
Result -> Name	.HTML->Name_{REPETITION}	Buffer
Result -> Date/Time	.HTML->Time_{REPETITION}	Buffer

14. Mark the TestCase **Completed** and run it in Scratchbook

Expected Outcome:

TestCase will be successfully fetch the 3 emails based on the criteria set and buffer their content.

Hints

1. Folder Repetition and ResultCount can be used to verify multiple emails
2. Body of the email can be buffered in HTML format