eCATT Part 4 – Modularizing Script

Applies to:
SAP 5.0

Summary
In the Part I of eCATT series, we covered the introduction to eCATT, its prerequisites, features, when to go for SAP GUI mode recording and eCATT’s main objects. In the Part 2 of eCATT we covered just the recording and replay of the script. In the Part 3 of eCATT article learnt as to how to parameterize a script. In this article we learn as to how to modularize a script, call another script with the use of REF command and use of SAPGUI (Attach) command.

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Objective

In this document, we will explore the following features of eCATT:
- Calling another script with the use of REF command.
- Modularizing a script.
- Use of SAPGUI (Attach)

Prerequisites

You have gone through the following:
1. eCATT Part 1 - An Introduction
2. eCATT Part 2 - Recording a Scenario
3. eCATT Part 3 - Parameterization of Script

Scenario

The scenario which we will consider in this document is the updation of the CRM Product description. To update a product, we first need to search the product and then update it. In case if we need to update multiple items, then search a product becomes a common step which we need to use and in this article we will see how this is achieved.

Let's create two scripts Z09_DemoUpdateProduct and Z09_DemoSearchProduct and also parameterize them. Ensure that you use the same variable I_PRODUCT_ID and I_PRODUCT_DESC. The Steps to be followed are given below for each of the script for recording.

First let's create the Z09_DemoSearchProduct test script. The steps are given below and you can refer the article eCATT Part 2 - Recording a Scenario as to how to record a script.
1. Login to SAP CRM system. Enter transaction = COMMPR01.
2. Enter the Product ID = z09_ecatt1. Click on Start Button.
3. In the resultant, click on the product ID. The Material Change screen opens up. Just leave it at this stage. Do NOT close the screen.

Now, let's create the Z09_DemoUpdateProduct test script. The steps are given below and you can see that the last two steps are the only different steps when compared to the steps mentioned in the test script Z09_DemoSearchProduct.

Z09_DemoUpdateProduct
1. Login to SAP CRM system. Enter transaction = COMMPR01.
2. Enter the Product ID = z09_ecatt1. Click on Start Button.
3. In the resultant, click on the product ID. The Material Change screen opens up.
4. Update the Product Description in the Description field.
5. Click on Save Button.
Procedure

Let's start now recording the Z09_DemoUpdateProduct script.

1. Login to the SAP CRM System. Enter the Transaction = SECATT.
2. Enter the Test Script = Z09_DemoUpdateProduct and click on Create Object Button or Press F5 Key.
3. In the Attributes-->General Tab, enter the following:
   - Title = Demo to Update a product.
   - Component = CRM-MD-PRO.
   - System Data Container = Z09_DEMOUPDATEPRODUCT
   - Target System = NONE.
4. Click on Pattern Button.
   - Choose Group = Test Script References.
   - Command = REF
   - Test Script = Z09_DEMOSEARCHPRODUCT.
   - Interface = Z09_DEMOSEARCHPRODUCT_1.
   - Target System = None.
5. Click on Continue Button. Click on Parameter<-->Command Interface button and the Command Editor screen refreshes and the REF command is included as shown in figure.
6. Click on Edit-->Predefine Target System Instance. Choose the RFC destination. This would depend on the RFC destination defined in your landscape. (Note if you don't do this step you will run into error like 'RFC:You have no authorization to create destination ecatt_fmsap994_510_e ^')
7. Now let's execute the script Z09_DEMOSEARCHPRODUCT so that the Material Edit screen opens up and we can continue our further recording of the script on the same session. When we execute the Z09_DEMOSEARCHPRODUCT script we will ensure that the execution of the above script doesn't close that session. Hence follow the steps carefully now.

8. Click on Execute the Script Button. (Press F8 Key)

9. In the Start Options - Test Script : Z09P_DemoUpdateProduct screen click on UI Control and choose the option Do NOT Close created session.

10. Click on Execute Button. (Press F8 Key).

11. A saplogon popup appears saying "A script is trying to attach to the GUI". Click on OK Button. The Z09_DEMOSEARCHPRODUCT test script plays back and it opens the Material Edit Page. Also the eCatt log says successful. Click on Back button (F3 Key) twice and go back to the Test Script Z09_DEMOUPDATEPRODUCT.
12. Click on Pattern Button.
   - Choose Group = UI Control.
   - Command = SAPGUI (Attach)
   - Interface = [Generated]

13. Click on Continue Button. The Record SAP GUI Command screen appears.

14. Click on Start Recording Button.

15. A saplogon popup appears saying "A script is trying to attach to the GUI". Click on OK Button.

16. Now the Select Sessions for Current System pops up. Click on the Record Button and click on Continue button further.

17. A saplogon popup appears saying "A script is trying to attach to the GUI". Click on OK Button.
18. Go to the previously opened Material Edit Screen and change the Product Description and save the Product and close the session.

19. Click on Stop Recording. Observe the Command Editor gets updated.
20. Now Parameterize the Product Description field and your script is ready to be played back !.

**Result**

You have modularized the script and also seen how it can be called from another script.
Related Content
http://help.sap.com/saphelp_nw2004s/helpdata/en/8e/df9f40eb72371be10000000a1550b0/frameset.htm
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