How to Create an eCATT?

Applies to:
SAP ECC 5.0 and above

Summary
This is a step by step guide to create a CATT script in SAP ECC version 5 and upwards. It can be used by beginners to create a basic CATT script.

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Author Bio
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A Step by Step Guide

To create an eCATT you must first create the Test Script. After the test script you will create a Test Configuration. In many cases it is also helpful to create a Test Data Container and/or a System Data Container but these will not be used in this example.

Click create or F5 and you will then see the following screen:
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Enter title
Enter component
Click on Pattern button on menu bar

Choose Group value = UI Control
Choose Command value = TCD (Record)
Enter code and press enter to accept the default interface

Click the green check mark

<<<Record the function you are attempting to perform>>>

After backing out of the function you were recording you will be returned to the eCATT screen and you should see a prompt asking if you want to transfer the data. Answer Yes. You should then see the following:

Now double-click on the Interface. In this case the interface was named PFCG_1.
Using the split screen you must now navigate through the various screens you just recorded replacing fixed values with import variables.
This is done by opening the Dynpro menu and going through each numbered screen to review your input. In this process my eCATT will change the description of a role. So I will have two variables: 1) the role name and 2) the description.

From the screen print above you can see I located the Role Name on the first screen by double-clicking on the menu node named "Field." You must then move over to the third subscreen and tab over to the VALIN column where you find the actual value you entered into SAP when recording the interface. In this case that value is "ZP:FI:AM:DSP_RPT." You must then change that to a variable as shown on the next screen.
The variable name is `Z_ROLE_NAME`. Once you enter the variable name hit the enter key and the following screen will appear:

The default parameter type will be Local. You should change this to Import and click on the Yes button.

The screen will now look like the following screen. Note the icon on screen 1 has changed from the green square. This icon indicates a variable is present.
Now change all the other variables in the same manner. When complete click on the save icon and save as a local object or place in a development class if you desire to transport the eCATT.

Before you can execute the eCATT you must first create a Test Configuration. Do this by executing SECATT transaction code and entering a name for the Test Configuration and clicking on the create icon. This name can be anything in the customer name space.

**Extended Computer Aided Test Tool: Initial Screen**

- **Test Configuration**: Z_PFCG_CHANGE_SHORT_TEXT
- **Test Script**: Z_PFCG_CHANGE_SHORT_TEXT
- **Version**: 1
Give the Test Configuration a Name and Component and then click on the Configuration tab to see the following screen.
Enter the name of the test script you would like to execute when you execute the test configuration. In this case it is the test script of the same name. See below.
Now we need to create the Excel template file to store the variable data in. Do this by clicking on the download icon or just press ctrl-shift-F11. You will then be prompted with a Windows “save as” dialog box. Accept the default name and directory and click save.

Back in SAP you should now see this screen.

This appears since we did not create a Test Data Container. Click on the Yes icon and you should see the message at the bottom of the screen “variants successfully downloaded.”
Now click on the Variants icon and you should see the following screen.

We must now set the default Mode for each time the Test Configuration is executed. Since we will always be running the script with an external file choose the External Variants / Path option.
Now click on the drop-down on the File and choose the variant file you just created in the previous step. Your screen should look similar to the one shown here.

![Test Configuration](image)

**Create Test Configuration: Z_PFCG_CHANGE_SHORT_TEXT**

- **Test Configuration**: Z_PFCG_CHANGE_SHORT_TEXT
- **Title**: Change Role Description via PFCG

**Mode**
- External Variants/Path: C:\Documents and Settings\beach\SapWorkDir
- File: ZAR_ECGC_ZF_PFCG_CHANGE_SHORT_TEXT.TXT
- Internal Variants

**Variant**
- **ECATTDEFAULT**

Now click on the save icon and save as a local object or place into a development class (package) so it can be transported.

You are now ready to execute your new eCATT Test Script via the Test Configuration. Open your txt file and populate with your data. Be sure and number each record in your data file or eCATT will not be able to read the data correctly. When you are done it should look similar to this:
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Save your Excel file but be sure to keep it as a plain text file. If you update it to the .xls format, then SAP will not be able to read the file.

Now go back to SAP and run tcode SECATT and enter your Test Configuration and click execute. You will be taken to this screen:
You can choose your error behavior. I normally change it to “S No Termination, Continue with Next Script Command”.

Next click on the variants tab and validate the mode and file path are correct.
Next click on the UI Control and specify whether you would like to execute in the foreground or background. The Test Configuration will normally default to the background. As with CATT the Foreground method of execution is very helpful when trying to troubleshoot errors in the test script.

Then click execute and you are done.

NOTE: If you are running the test script remotely you must create a system data container to store the name of all the possible RFC connections you may potentially need when executing a script. These RFC connections are taken from table RFCDES (see SM59). Then in the Test Configuration you reference the
System Data Container name and the specific Target System. This information is found under the Shared tab in the Test Configuration.

Now you are ready to execute the eCATT.

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