

# 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

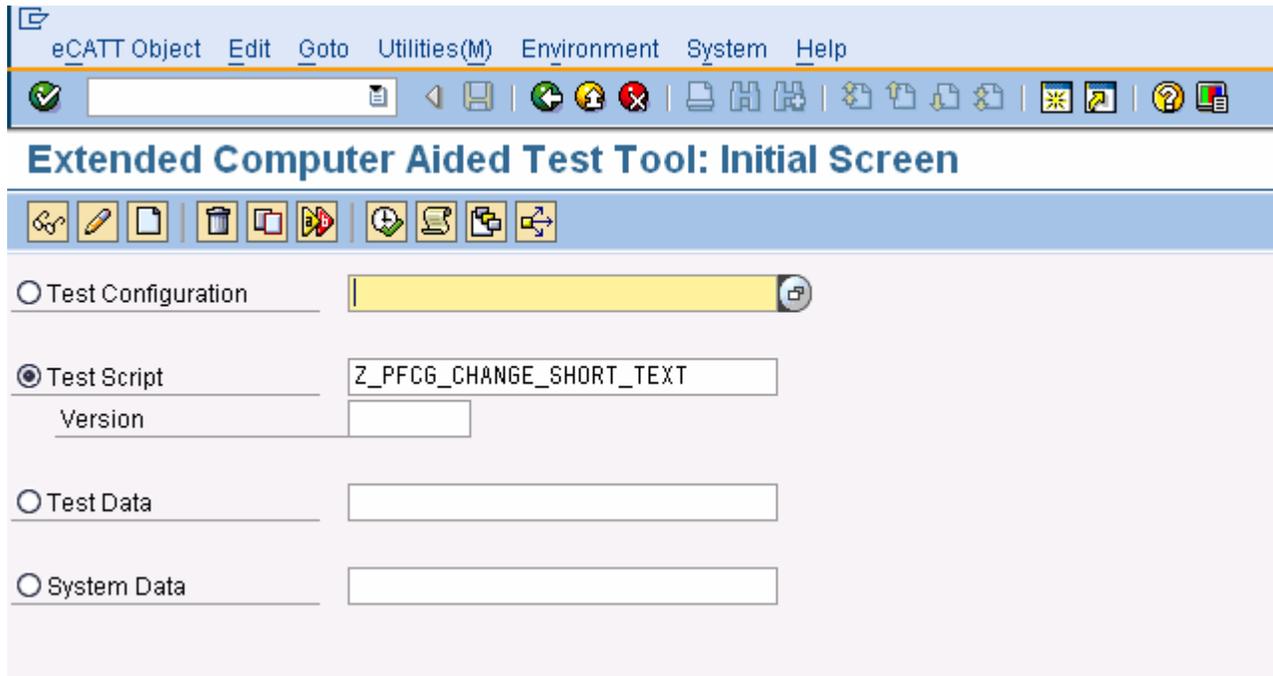
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## A Step by Step Guide

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:

Test Script Edit Goto Utilities(M) Environment System Help

Create Test Script: Z\_PFCG\_CHANGE\_SHORT\_TEXT (1)

Test Script: Z\_PFCG\_CHANGE\_SHORT\_TEXT Version: 1 Target System: Local Maintenance and Execution  
 Instance: DR8 (101) (E)

Editor Attributes

General Data Versioning Data Extras Restrictions

Header Data

Title: Change Role Description via PFCG

Package:

Person Responsible: BEACHK Type: B

Component: BC-SEC-USR-ADM

Maintenance System

SystemData Container:

Target System:

Search Terms

01	<input type="text"/>
02	<input type="text"/>
03	<input type="text"/>
04	<input type="text"/>
05	<input type="text"/>
06	<input type="text"/>
07	<input type="text"/>
08	<input type="text"/>

Enter title

Enter component

Click on Pattern button on menu bar

Insert statement

Group: UI Control

Command: TCD (Record)

Transaction: PFCG

Interface:

✓ ✗ ⓘ

Choose Group value = UI Control

Choose Command value = TCD (Record)

Enter code and press enter to accept the default interface

Group	UI Control
Command	TCD (Record)
Transaction	PFCG
Interface	PFCG_1

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:

Test Script: Z\_PFCG\_CHANGE\_SHORT\_TEXT    Version: 1    Target System: Local Maintenance and Execution  
 Title: Change Role Description via PFCG    Instance: DR8 (101) (E)

Parameter	Description	Value	I/EM	Parameter Reference	Target System	ABAP Ty...	Length	Dec...	Group
		TCD ( PFCG , PFCG_1 ) .							

Now double-click on the Interface. In this case the interface was named PFCG\_1.

The screenshot displays the SAP eCATT 'Create Test Script' window for the test script 'Z\_PFCG\_CHANGE\_SHORT\_TEXT (1)'. The window title is 'Create Test Script: Z\_PFCG\_CHANGE\_SHORT\_TEXT (1)'. The main workspace is divided into several sections:

- Header:** Test Script: Z\_PFCG\_CHANGE\_SHORT\_TEXT, Version: 1, Target System: Local Maintenance and Execution, Instance: DR8 (101) (E).
- Parameter Table:** A table with columns: Parameter, Description, Value, IEM, Parameter Reference, Target System, ABAP Ty..., Length, Dec..., Group.
- Code Editor:** Contains the text: TCD ( PFCG , PFCG\_1 ).
- Command Interface:** A tree view showing 'Command Interface PFCG\_1' with sub-elements: TCODE 'PFCG', MODE, BINPT, WAIT, DYNPRO, and MSG.
- Table:** A table with columns: Element, Description, Value, Default, T. The 'TCODE' row is highlighted with the value 'PFCG'.

Using the split screen you must now navigate through the various screens you just recorded replacing fixed values with import variables.

Test Script: Z\_PFCG\_CHANGE\_SHORT\_TEXT, Version: 1, Target System: Local Maintenance and Execution, Instance: DR8 (101) (E)

Parameter	Description	Value	I/EM	Parameter Reference	Target System	ABAP Ty...	Length	Dec...	Group

Command Interface PFCG\_1

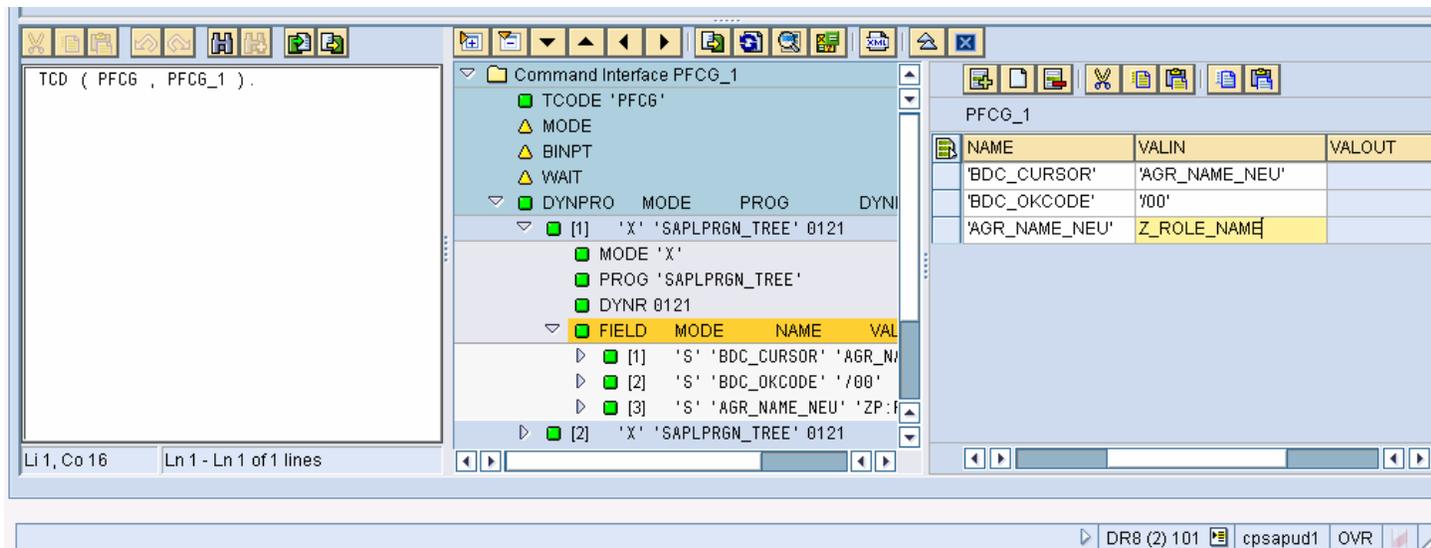
- TCODE 'PFCG'
- MODE
- BINPT
- WAIT
- DYNPRO
  - MODE
  - PROG
  - DYNI
    - [1] 'X' 'SAPLPRGN\_TREE' 0121
      - MODE 'X'
      - PROG 'SAPLPRGN\_TREE'
      - DYNR 0121
        - FIELD
          - MODE
          - NAME
          - VAL
            - [1] 'S' 'BDC\_CURSOR' 'AGR\_N
            - [2] 'S' 'BDC\_OKCODE' '/00'
            - [3] 'S' 'AGR\_NAME\_NEU' 'ZP:F

PFCG\_1

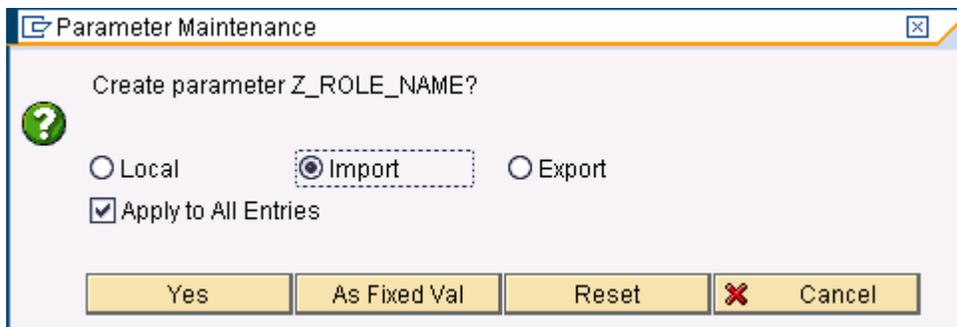
MODE	NAME	VALIN
'S'	'BDC_CURSOR'	'AGR_NAME_NEU'
'S'	'BDC_OKCODE'	'/00'
'S'	'AGR_NAME_NEU'	'ZP:FI:AM:DSP_RPT'

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.

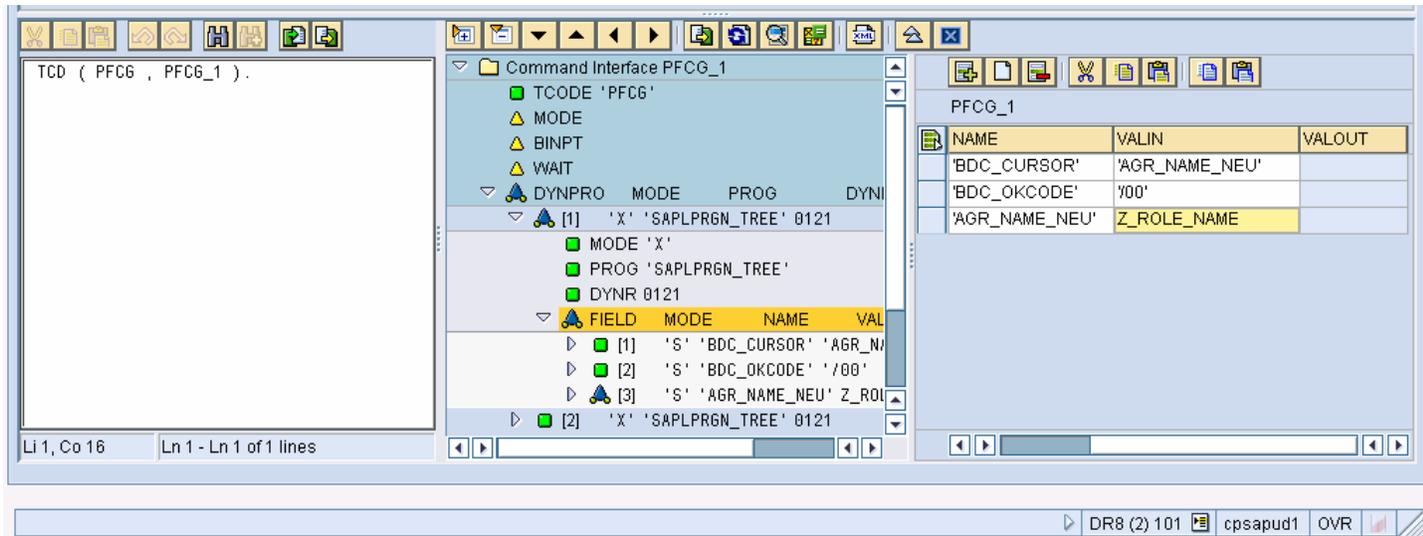


The variable name is Z\_ROLE\_NAME. Once you enter the variable name hit the enter key and the following screen will appear:



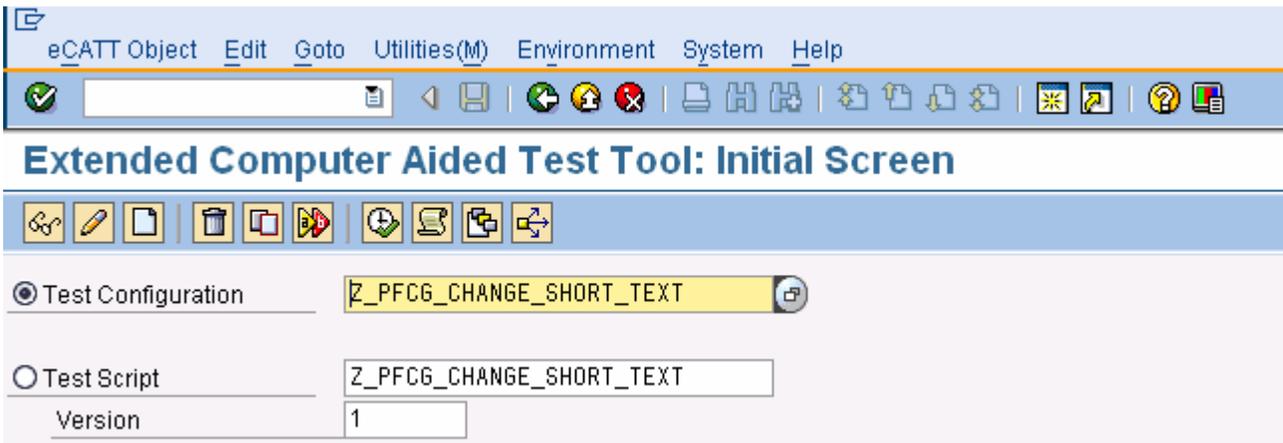
The default parameter type will be Local. You should change this to Import and click on the Yes button.

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



Test Configuration: Z\_PFCG\_CHANGE\_SHORT\_TEXT

Title: Change Role Description via PFCG

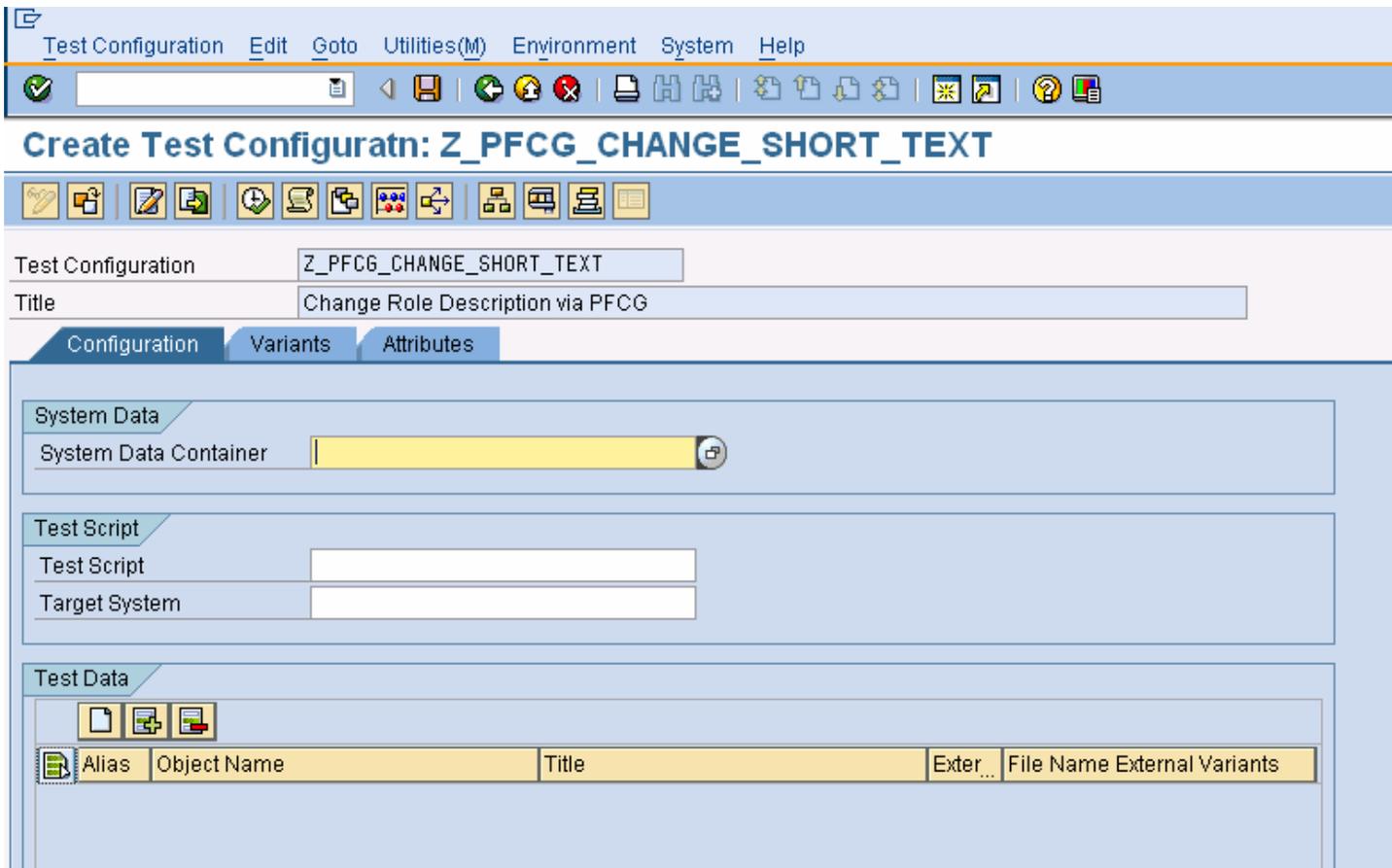
Configuration | Variants | Attributes

General Data | Extras | Restrictions

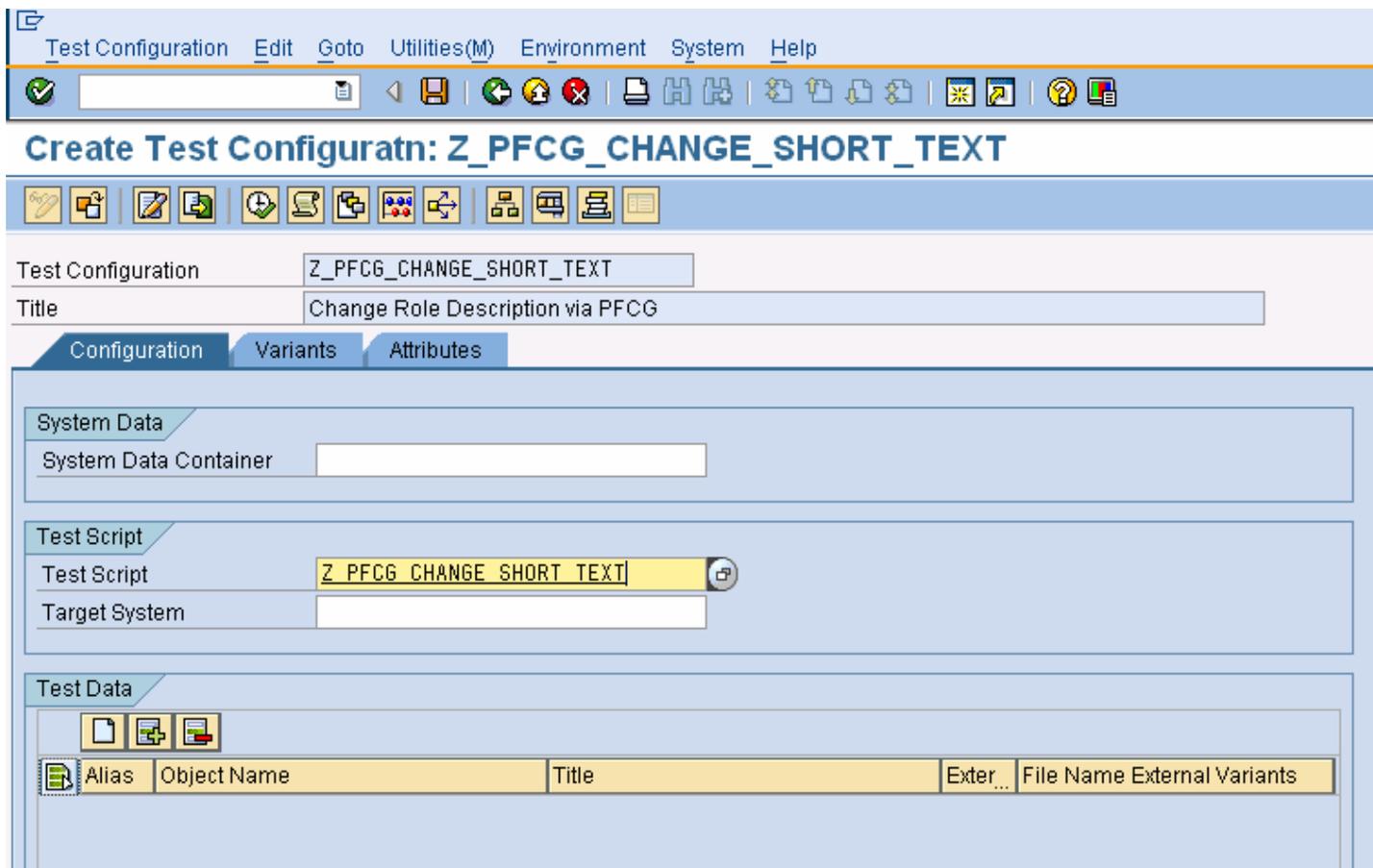
Header Data

Title	Change Role Description via PFCG	
Package		
Person Responsible	BEACHK	Type B
Component	BC-SEC-USR-ADM	User and Authorization Management

Give the Test Configuration a Name and Component and then click on the Configuration tab to see the following screen.

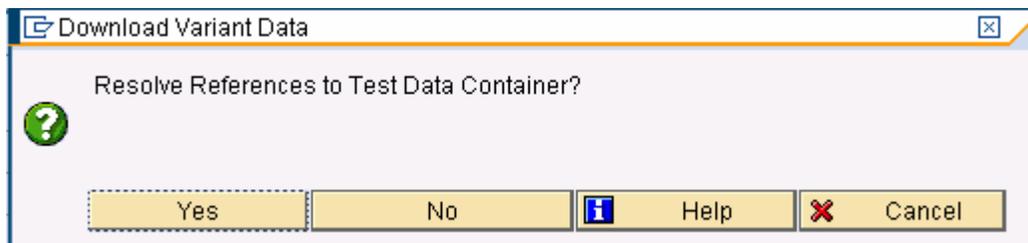


Enter the name of the test script you would like to execute when you execute the test configuration. In this case it is the test script of the same name. See below.

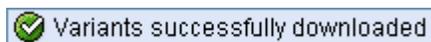


Now we need to create the Excel template file to store the variable data in. Do this by clicking on the  download icon or just press ctrl-shift-F11. You will then be prompted with a Windows “save as” dialog box. Accept the default name and directory and click save.

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.

Test Configuration: Z\_PFCG\_CHANGE\_SHORT\_TEXT  
Title: Change Role Description via PFCG

Configuration Variants Attributes

Mode

External Variants / Path C:\Documents and Settings\beachk\SapWorkDir  
File

Internal Variants

Ex...	Variant	Description	Z_ROLE_DESCRI...	Z_ROLE_NAME
<input checked="" type="checkbox"/>	ECATTDEFAULT		FI: AM Display/Rep	ZP:FI:AM:DSP_RPT

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.

Test Configuration: Z\_PFCG\_CHANGE\_SHORT\_TEXT  
Title: Change Role Description via PFCG

Configuration Variants Attributes

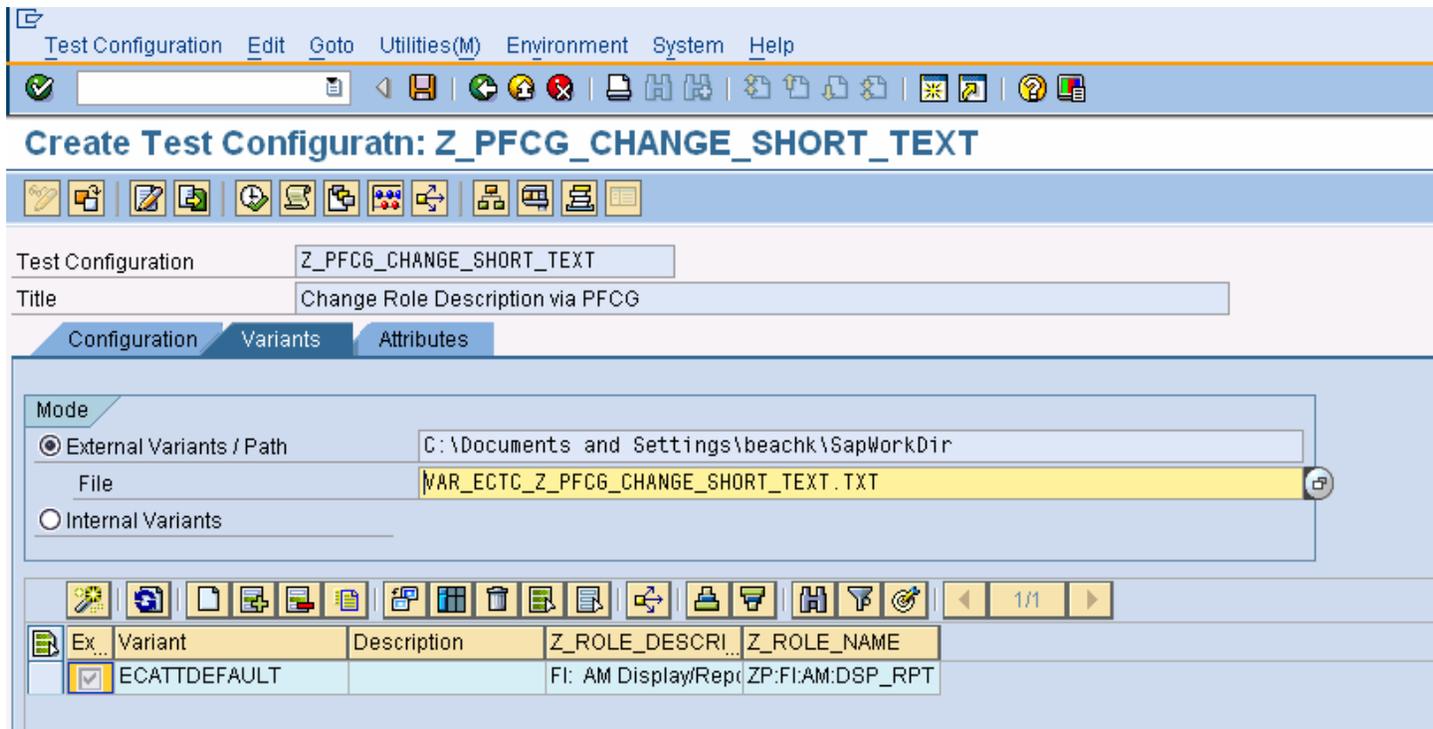
Mode

External Variants / Path C:\Documents and Settings\beachk\SapWorkDir  
File

Internal Variants

Ex...	Variant	Description	Z_ROLE_DESCRI...	Z_ROLE_NAME
<input checked="" type="checkbox"/>	ECATTDEFAULT		FI: AM Display/Rep	ZP:FI:AM:DSP_RPT

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.



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:

	A	B	C	D
1	[VARIANT]	[DESCRIPTION]	Z_ROLE_DESCRIPTION	Z_ROLE_NAME
2	*		BDC field value	BDC field value
3	*ECATTDEFAULT		FI: AM Display/Reporting - Parent Role - Do Not Assign	ZP:FI:AM:DSP_RPT
4	1		FI: AP Acct Mgmt Confdntl Docs - Parent Role - Do Not Assign	ZP:FI:AP:ACCT_MGMT_CONF
5	2		FI: AP Account Mgmt Display - Parent Role - Do Not Assign	ZP:FI:AP:ACCT_MGMT_DSP
6	3		FI: AP Chk Mgmt & Manage Pymnts - Parent Role - Don't Assign	ZP:FI:AP:CKMGT_MANPAY
7	4		FI: Processing Down Payments - Parent Role - Do Not Assign	ZP:FI:AP:DOWN_PAYMENT
8	5		FI: EE Vendor WF Notification - Parent Role - Do Not Assign	ZP:FI:AP:EMPL_VENDORS_WF
9	6		FI: AP GR/IR Maintenance - Parent Role - Do Not Assign	ZP:FI:AP:GR-IR_MNT
10	7		FI: MR11SHOW in Display Only - Parent Role - Do Not Assign	ZP:FI:AP:MR11SHOW_DISPLAY
11	8		FI: AP Park Document Change - Parent Role - Do Not Assign	ZP:FI:AP:PAK_DOC_CHG

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:

Start Options - Test Configuratr: Z\_PFCG\_CHANGE\_SHORT\_TEXT

Test Configuration: Z\_PFCG\_CHANGE\_SHORT\_TEXT Change Role Description via PFCG

Shared Variants UI Control Breakpoints

**Execution**

Error Behavior: K Termination of Start Process

Debugging Mode: N Normal Breakpoint Handling, Stop at BREAK

Execution Control

**System Data**

System Data:

Target System:

**Log**

Log Display

Archiving

**RFC**

Close RFC connection

Use Asynchronous RFC

**Message Processing**

Create Application Log Messages

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You can choose your error behavior. I normally change it to “S No Termination, Continue with Next Script Command”.

Test Configuration: Z\_PFCG\_CHANGE\_SHORT\_TEXT Change Role Description via PFCG

Shared Variants UI Control Breakpoints

**Execution**

Error Behavior: S No Termination, Continue with Next Script Command

Debugging Mode: N Normal Breakpoint Handling, Stop at BREAK

Execution Control

Next click on the variants tab and validate the mode and file path are correct.

Test Configuration: Z\_PFCG\_CHANGE\_SHORT\_TEXT Change Role Description via PFCG

Shared Variants UI Control Breakpoints

Mode

Path: C:\Documents and Settings\beachk\SapWorkDir Change Path

Ext...	Object Type	Alias	Object Name	Title	File Name External Variants
<input checked="" type="checkbox"/>	Test Configuratr		Z_PFCG_CHANGE_SHORT_TEXT	Change Role Description via PFCG	VAR_ECTC_Z_PFCG_CHANGE

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.

Test Configuration: Z\_PFCG\_CHANGE\_SHORT\_TEXT Change Role Description via PFCG

Shared Variants UI Control Breakpoints

TCD

Start Mode for Command TCD: N Process in Background, Synchronous Local Change

Start Mode Overwrites Mode If TCD Is Run

SAPGUI

Execution of All SAPGUI Commands in a Single Session per Destination

Highlight the Called GUI Elements

Minimize eCATT GUI

Processing Mode for SAPGUI: N Optimized Performance Change

Error Mode for SAPGUI: N Standard (Terminate on Any Error) Change

Stop When: N Do Not Stop Change

Stop in Debugger

Close GUIs: N Close Created Sessions After Script Run Change

Save Screenshots

Web Dynpro

Start Mode: N Background Processing Change

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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.

### **Disclaimer and Liability Notice**

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