

### Applies to:

SAP 5.0

### Summary

In the Part 1 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 will see understand the concept of test data container, variants and see a demo as to how to create a test data container.

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### Author Bio



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## Table of Contents

Objective.....	3
Introduction.....	3
Procedure.....	4
Result.....	6
Related Content.....	7
Disclaimer and Liability Notice.....	8

## Objective

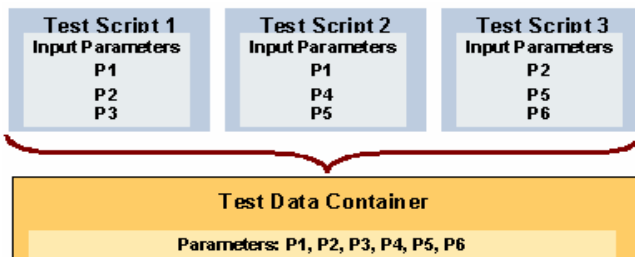
The objective behind this article is to give the user an introduction to eCATT – Test Data Container. In this article we will understand the following:

- Concept of Test Data Container
- Variants
- Creating a demo test container.

## Introduction

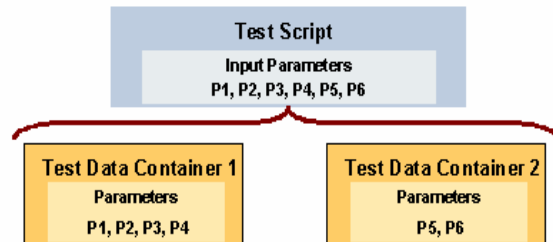
The parameters in a test data container are maintained *independently* from any test script. Thus you can have multiple scripts pointing to the same test data container. You can specify a maintenance system for the test data container, and can also specify a different target system for each parameter. Test data is normally stored separate from the test scripts in test data containers. The main reasons for this are **reusability** and **maintainability**. Test data containers and a test script are brought together in test configuration to create an executable test case.

The simplest use of test data containers is to create a separate one for each test script. However, there is not much of a reuse that you achieve here.



However, the above approach may not always be good. Depending upon your needs, you might want to “logically” distribute your parameters into several test data containers (shown in the graphic). For example, if you have a large number of scripts, each with many parameters, you may find that using a single test data container is no longer a practical option. In this case, you could split the parameters into logical groups, each in its own test data container.

A more effective way to manage test data is to create a single test data container for a whole application or sub-application (as shown in the graphic). By storing all of the test data in one container, you would find it easier to keep it consistent and also the maintenance would be at one place.



## Variants

Variants are sets of different parameter values which your script will use during execution. ECATTDEFAULT is the default variant.

In the eCATT Part 3 – Parameterization of Script, we saw how to parameterize the Material No and Material Description. In this article we will see how to create the test data for those parameters and how we can create different data sets by creating what is called as variants.

## Procedure

Now let us look at the steps required to create a System Data container.

1. Enter the transaction = SECATT.
2. Enter System Data = Z09\_DEMOTESTDATA.

The screenshot shows the 'Test Configuration' dialog box with three radio buttons: 'Test Configuration', 'Test Script', and 'Test Data'. The 'Test Data' option is selected. To the right of the 'Test Data' radio button, the text 'Z09\_DemoTestData' is entered in a text field. Below the 'Test Script' radio button, there is a 'Version' label and an empty text field.

3. Click on Create Button.
4. In the Attributes tab, enter the following mandatory details.
  - Title = Z09\_DEMOTESTDATA.
  - Person Responsible = <Person's Name>
  - Component = CRM-MD-PRO
  - System Data Container = Z09\_DEMOSYSTEMDATA
  - Target System = NONE (If you choose to run it in the same system, else choose the system on which you will execute this)

## Create Test Data Container: Z09\_DEMOTESTDATA

The screenshot shows the 'Attributes' tab of the SAP E-Test Configuration dialog box. The 'Test Data Container' and 'Title' fields are both set to 'Z09\_DEMOTESTDATA'. The 'Attributes' tab is active, showing 'General Data' and 'Maintenance System' sections. The 'General Data' section includes fields for 'Title' (Z09\_DEMOTESTDATA), 'Package', 'Person Responsible' (RKJAIN), and 'Component' (CRM-MD-PRO). The 'Maintenance System' section includes fields for 'SystemData Container' (Z09\_DEMOSYSTEMDATA) and 'Target System' (NONE).

5. Click on Parameters Tab. Click on Append Parameter Tab.

6. Enter the following:

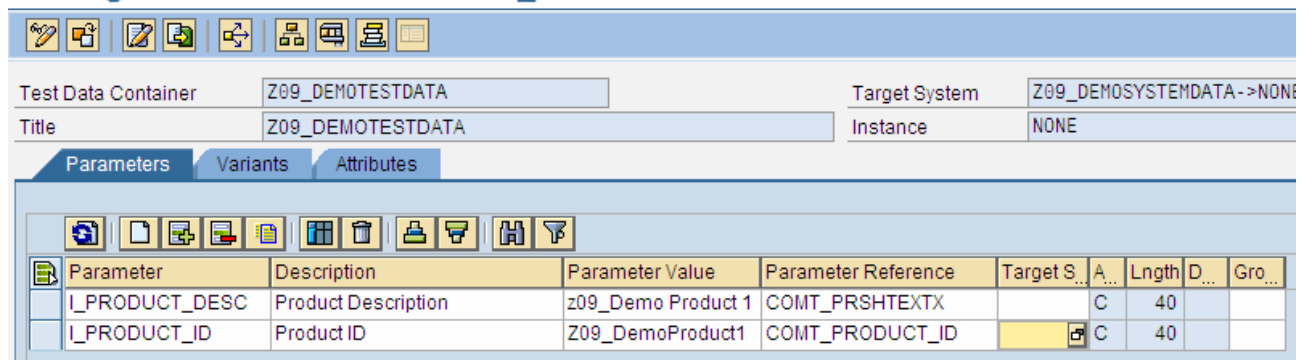
- Parameter = I\_PRODUCT\_DESC
- Description = Product Description
- Parameter Value = Z09\_DemoProduct
- Parameter Reference = COMT\_PRSHTEXTX

Click on Append Parameter button and add the following:

- Parameter = I\_PRODUCT\_ID
- Description = Product ID
- Parameter Value = Z09\_DemoProduct1
- Parameter Reference = COMT\_PRODUCT\_ID

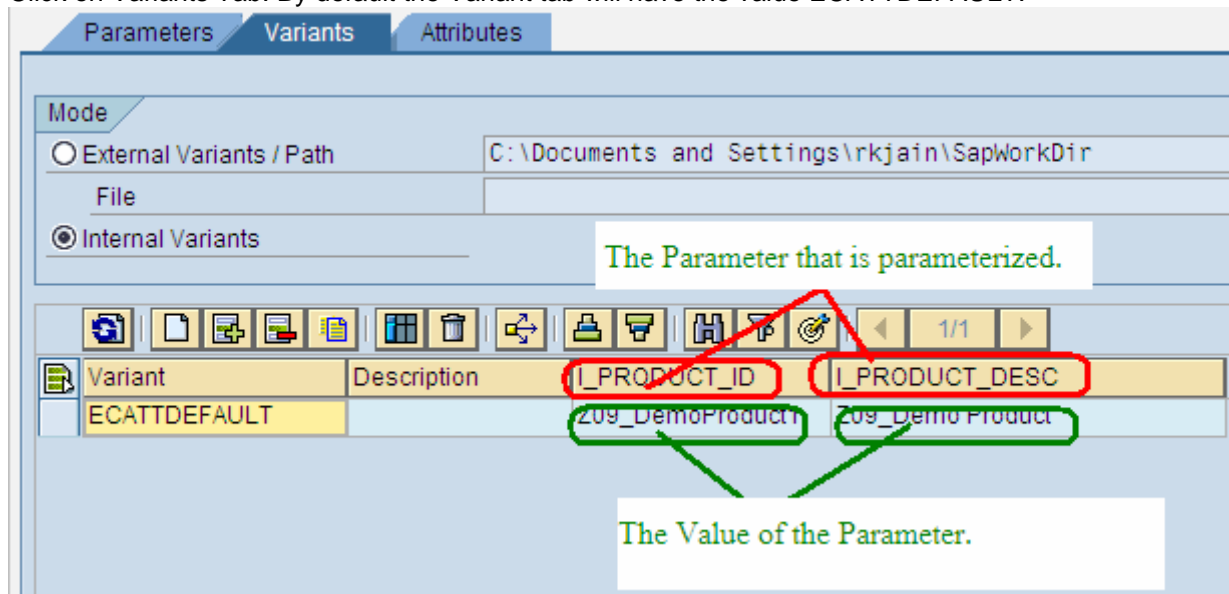
**Note:** You need to have the same Parameter name that you have defined in your parameterization.

### Change Test Data Container: Z09\_DEMOTESTDATA



Parameter	Description	Parameter Value	Parameter Reference	Target S...	A...	Lngh	D...	Gro...
I_PRODUCT_DESC	Product Description	z09_Demo Product 1	COMT_PRSHTEXTX		C	40		
I_PRODUCT_ID	Product ID	Z09_DemoProduct1	COMT_PRODUCT_ID		C	40		

7. Click on Variants Tab. By default the Variant tab will have the value ECATTDEFAULT.



Mode

External Variants / Path C:\Documents and Settings\rkjain\SapworkDir

File

Internal Variants

The Parameter that is parameterized.

Variant	Description	I_PRODUCT_ID	I_PRODUCT_DESC
ECATTDEFAULT		Z09_DemoProduct1	Z09_Demo Product

The Value of the Parameter.

8. You can define your own variants say Variant\_1 and Variant\_2 and give the values as given below:

VARIANT	I_PRODUCT_ID	I_PRODUCT_DESC
VARIANT_1	Z09_DemoProduct2	Z09_Demo Product 2
VARIANT_2	Z09_DemoProduct3	Z09_Demo Product 3

Variant	Description	I_PRODUCT_ID	I_PRODUCT_DESC
ECATTDEFAULT		Z09_DemoProduct1	Z09_Demo Product
VARIANT_1		Z09_DemoProduct2	Z09_Demo Product 2
VARIANT_2		Z09_DemoProduct3	Z09_Demo Product 3

### Result

Thus your test data container is ready with variants defined. We will explore the use of these variants in our next section on Test Data container.

## Related Content

[http://help.sap.com/saphelp\\_nw2004s/helpdata/en/8e/df9f40eb72371be10000000a1550b0/frameset.htm](http://help.sap.com/saphelp_nw2004s/helpdata/en/8e/df9f40eb72371be10000000a1550b0/frameset.htm)

[http://help.sap.com/saphelp\\_nw2004s/helpdata/en/8e/df9f40eb72371be10000000a1550b0/frameset.htm](http://help.sap.com/saphelp_nw2004s/helpdata/en/8e/df9f40eb72371be10000000a1550b0/frameset.htm)

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