eCATT Part 6 – System Data Container

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 will see understand the concept of System Data Container, RFCs, target systems and see a demo as to how to create a system data container.

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Author Bio
I am Rakesh Kumar Jain, working for Intel Technology India Pvt. Ltd. I am working as a System Analyst in SAP CRM. I have worked on Interaction Center Webclient, Solution Manager. Most of my primary work is in the Service module of the CRM.
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Objective
The objective behind this article is to give the user an introduction to eCATT – System Data Container.
In this article we will understand the following:
- System data container
- Target Servers
- RFCs
- Demo to create a System Data container.

Introduction
Let’s take a scenario for understanding why we require this system data container.

Scenario:
1. A user creates a purchase order in the CRM system.
2. The purchase order flows to the R/3 system.
3. The updated data is then reflected in the BW system.
Now, with eCATT you want to check if the purchase order is created in the CRM system and then it flows to the R/3 system and then finally check if the updated data is available in the BW system. So here your target servers would be CRM, R/3 and BW.
The system landscape under test is represented by a system data container. The system data container contains a list of target systems.

Each target system has attributes which describe the communication channel between the eCATT system and the system under test. Possible attributes are RFC destinations of type 3 (destinations to SAP systems) and of type G or H (HTTP destinations).

The system data container has mandatory attributes (title, package, and person responsible) as well as attributes containing administrative information.

In the system data container, each RFC destination is paired with a logical name that you specify. It is the logical name of a target system that you use in the test scripts, and not the name of the RFC destination itself. The task of the system data container is to resolve the logical name used in the script into the RFC destination (of type 3, G, or H) that identifies a particular system.

The brief steps to create a RFC destination is given below:
1. Enter Transaction = SM59
2. Click on Create Button.
3. Give the necessary details like RFC Destination, Connection Type and the description
4. In the Logon / Security tab, recommended is to mention the Trusted System = NO. This would ensure that every time, login window will be prompted when target system is referred via the RFC.
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_DEMOSYSTEMDATA.
3. Click on Create Button.
4. In the Attributes tab, enter the following mandatory details.
   - Title = Z09_DEMOSYSTEMDATA.
   - Package = <Package Name>
   - Person Responsible = <Person’s Name>
5. Under the System Data tab, target system NONE is already present. This indicates that you intend to use the script in the same system. If you want to use the script in a different target system, then you need to define that target system here. You can enter the Target System, Description and choose the RFC Destination for the respective system. Once you choose the RFC destination, the Instance Description field gets populated automatically.

<table>
<thead>
<tr>
<th>System Data Container</th>
<th>Edit</th>
<th>Goto</th>
<th>Utilities(M)</th>
<th>Environment</th>
<th>System</th>
<th>Help</th>
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   - Click on Save button.

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<tr>
<th>Target System</th>
<th>Description</th>
<th>RFC Destination</th>
<th>HTTP Destination</th>
<th>Instance Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>NONE</td>
<td>Quality System</td>
<td>NONE</td>
<td><a href="http://example.com">http://example.com</a></td>
<td>None</td>
</tr>
</tbody>
</table>

   1. Click on Save button.
Result

Thus your system data container maps out the system landscape for the project and thus tracks all the environments where you want the eCatt scripts to run.
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
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