Mercury QTP Professional Integration with SAP eCATT
Activating Add-in Support for SAP Solutions

Before you can work with the QuickTest Professional Add-in for SAP Solutions, you must make sure that the Add-in for SAP Solutions is licensed, and then use the Add-in Manager to load QuickTest Professional with add-in support for SAP. You can load QuickTest without add-in support for SAP if you do not want to test SAP applications.

Loading QuickTest with Add-in Support for SAP Solutions

You use the Add-in Manager to load support for testing SAP Solutions applications.

To start QuickTest with add-in support for testing SAP applications:

1. Choose Start > Programs > QuickTest Professional > QuickTest Professional. The QuickTest Professional - Add-in Manager dialog box opens.

   (If the Add-in Manager dialog box does not open, see Displaying the Add-in Manager Dialog Box.)

2. In the add-in list, select SAP and Web.

   ![QuickTest Professional - Add-in Manager](image)

   Click OK.
For more information about the Add-in Manager dialog box, refer to the QuickTest Professional User's Guide.

Displaying the Add-in Manager Dialog Box

If the Add-in Manager dialog box does not open when you open QuickTest:

1. Choose Start > Programs > QuickTest Professional > QuickTest Professional to start QuickTest.
2. From the QuickTest menu, choose Tools > Options and click the General tab.
3. Select Display Add-in Manager on startup.
4. Click OK to close the Options dialog box.
5. Close and reopen QuickTest.

Checking Package and Patch Versions Installed on the SAP Application Server

To use the QuickTest Professional Add-in for SAP Solutions, you must confirm that you have the correct support package and kernel patch levels for your software component release. The following table shows the minimum required. You must have these versions/levels or higher:

<table>
<thead>
<tr>
<th>Software Component</th>
<th>Release</th>
<th>Support Package</th>
<th>Kernel Patch Level</th>
</tr>
</thead>
<tbody>
<tr>
<td>SAP_APPL</td>
<td>31I</td>
<td>SAPKH31I96</td>
<td>Kernel 3.1I level 650</td>
</tr>
<tr>
<td>SAP_APPL</td>
<td>40B</td>
<td>SAPKH40B71</td>
<td>Kernel 4.0B level 903</td>
</tr>
<tr>
<td>SAP_APPL</td>
<td>45B</td>
<td>SAPKH45B49</td>
<td>Kernel 4.5B level 753</td>
</tr>
<tr>
<td>SAP_BASIS</td>
<td>46B</td>
<td>SAPKB46B37</td>
<td>Kernel 4.6D level 948</td>
</tr>
<tr>
<td>SAP_BASIS</td>
<td>46C</td>
<td>SAPKB46C29</td>
<td>Kernel 4.6D level 948</td>
</tr>
<tr>
<td>SAP_BASIS</td>
<td>46D</td>
<td>SAPKB46D17</td>
<td>Kernel 4.6D level 948</td>
</tr>
<tr>
<td>SAP_BASIS</td>
<td>610</td>
<td>SAPKB61012</td>
<td>Kernel 6.10 level 360</td>
</tr>
</tbody>
</table>

- Check the support package
- Check the kernel patch level

To check the support package:

1. Log on to your SAP server.
2. Run the SPAM transaction.

3. In the Directory section, select All Support Packages and click the Display button.
4. The All packages window opens. Verify that the correct package is installed for the SAP release you are using (see Checking Package and Patch Versions Installed on the SAP Application Server).
If the correct package is installed, a green light icon is displayed in the **Status** column.

If you do not have the required package installed, download and install it.

For more information on downloading and installing the required package, refer to SAP OSS note # 480149.

To check the kernel patch level:

1. Log on to your SAP server.
2. Choose **System > Status**. The System: Status dialog box opens.

![System: Status dialog box](image)

### Usage data

<table>
<thead>
<tr>
<th>Client</th>
<th>200</th>
</tr>
</thead>
<tbody>
<tr>
<td>User</td>
<td>3P_PRASHAN</td>
</tr>
<tr>
<td>Language</td>
<td>EN</td>
</tr>
<tr>
<td>Previous logon</td>
<td>24.07.2006 17:38:09</td>
</tr>
<tr>
<td>Logon</td>
<td>24.07.2006 18:11:21</td>
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<tr>
<td>System time</td>
<td>24.07.2006 18:28:51</td>
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</tbody>
</table>

### SAP data

#### Repository data

<table>
<thead>
<tr>
<th>Transaction</th>
<th>SPAM</th>
</tr>
</thead>
<tbody>
<tr>
<td>Program (screen)</td>
<td>SPAM_DISPLAY...</td>
</tr>
<tr>
<td>Screen number</td>
<td>100</td>
</tr>
<tr>
<td>Program (GUI)</td>
<td>SPAM_DISPLAY...</td>
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<tr>
<td>GUI status</td>
<td>SCREEN_100</td>
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</tbody>
</table>

#### SAP System data

<table>
<thead>
<tr>
<th>Componentversion</th>
<th>BBPCRM 3.1</th>
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<tbody>
<tr>
<td>Installation number</td>
<td>0020211464</td>
</tr>
<tr>
<td>License expiration</td>
<td>31.12.9999</td>
</tr>
<tr>
<td>Unicode System</td>
<td>No</td>
</tr>
</tbody>
</table>

### Host data

<table>
<thead>
<tr>
<th>Operating system</th>
<th>ADX</th>
</tr>
</thead>
<tbody>
<tr>
<td>Machine type</td>
<td>00374CFC4C</td>
</tr>
<tr>
<td>Server name</td>
<td>SSSC19_SL1_01</td>
</tr>
<tr>
<td>Platform ID</td>
<td>324</td>
</tr>
</tbody>
</table>

### Database data

<table>
<thead>
<tr>
<th>Database system</th>
<th>ORACLE</th>
</tr>
</thead>
<tbody>
<tr>
<td>Release</td>
<td>9.2.0.5.0</td>
</tr>
<tr>
<td>Name</td>
<td>SL1</td>
</tr>
<tr>
<td>Host</td>
<td>SSSC19</td>
</tr>
<tr>
<td>Owner</td>
<td>SAPSL1</td>
</tr>
</tbody>
</table>
3. Click the Other kernel information button. The System: Kernel information dialog box opens.

4. In the Kernel information section, check the value of the Sup. Pckg. lvl.

   If the level is lower than the required level for the SAP release you are using (see Checking Package and Patch Versions Installed on the SAP Application Server), you must download the latest kernel version and upgrade your existing one.

   For more information on downloading and installing the required kernel patch level, refer to SAP OSS note #480149.

**Checking the Patch Version Installed on your SAP Gui for Windows Application**

If you want to test your SAP Gui for Windows application with the QuickTest Professional Add-in for SAP Solutions, make sure that the minimum required patch level is installed. For more information about required patch levels, refer to the QuickTest Professional Add-in for SAP Solutions Readme.

Note: If the minimum required patch level is not installed, an error message displays when you try to record on your SAP Gui for Windows application.

To check the patch level on your SAP Gui for Windows application:
1. Open the SAP Logon dialog box and click the button on the left side of the SAP Logon dialog box's title bar. Then choose About SAP Logon from the menu.

The SAP Version Information dialog box opens.

In the SAP Version Information dialog box, confirm that the minimum required patch level is installed.

1. In the SAP Version Information dialog box, confirm that the minimum required patch level is installed.
Enabling Scripting

QuickTest communicates directly with the SAP Gui Scripting API to record and run your operations on SAP Windows objects. For example, QuickTest records steps based directly on the API events that are sent from the client to the SAP server. Therefore, to record and run QuickTest tests and components on your SAP Gui for Windows application, you must enable scripting on both the server-side and client-side. For more information, see the following sections:

- Enabling Scripting on the SAP Application (Server-Side)
- Enabling Scripting on the SAP Application (Client-Side)

Enabling Scripting on the SAP Application (Server-Side)

After you confirm that you have the proper support package and kernel patch levels installed, you must enable scripting on your SAP application. By default, scripting is disabled.

You enable scripting by entering the Maintain Profile Parameters window with administrative permissions and setting the sapgui/user_scripting profile parameter to TRUE on the application server.

To enable scripting for all users, set this parameter on all application servers. To enable scripting for a specific group of users, set the parameter only on application servers with the appropriate access restriction settings.
To change the profile parameter:

1. Enter /nr11 in the OKCode edit box to open transaction rz11.
2. In the Param. Name box of the Maintain Profile Parameters window, enter `sapgui/user_scripting` and click the Display button.
Note: If the message **Parameter name is unknown** is displayed in the status bar, your client lacks the required support package (see Checking the Patch Version Installed on your SAP Gui for Windows Application). Download and install the support package that corresponds to the SAP release you are using and then repeat steps 1 and 2.
The Display Profile Parameter Attributes window opens.

3. If ProfileVal is FALSE, you must modify its value. To modify it, click the Change value button. The Change Parameter Value window opens.

4. Enter TRUE in the ProfileVal box and click the Save button.

Note: You must enter TRUE in all capital letters. Entering True or true has no effect.

When you save the change, the window closes and the value of the parameter is displayed as TRUE. However, this change takes effect only when you log on to the system. Therefore, before beginning to work with the QuickTest Professional Add-in for SAP Solutions, you must log off and log on again. You may also need to restart the SAP Service from the SAP Console.

If you find that even after restarting the SAP Service from the SAP Console and logging on again to the client, your change to the ProfileVal parameter was not saved, you may have an outdated kernel version. In this case, either restart the application server or download and import the required kernel patch, as specified below.
Enabling Scripting on the SAP Application (Client-Side)

To test SAP GUI for Windows applications with QuickTest Professional, you must confirm that scripting is enabled on the SAP GUI for Windows client.

It is also recommended to disable warning messages in the SAP GUI for Windows environment when working with QuickTest Professional.

To ensure that scripting is enabled on the SAP GUI for Windows client:

1. Log on to your SAP server.

2. Click the **Customizing of Local Layout** SAP toolbar button and then choose **Options**. The Options dialog box opens.

3. Click the **Scripting** tab.

4. Confirm that the **Enable Scripting** check box is selected. If the **Enable Scripting** check box is cleared, select it.

5. If the **Scripting is installed** message is not displayed in the **Installation** area, or the **Enable Scripting** check box is disabled, then the **SAP GUI Scripting** option is not installed. Reinstall your SAP GUI for Windows application and be sure to select the **SAP GUI Scripting** check box.
Installation

Scripting is installed!

User Settings

- **Enable Scripting**
- **Notify When a Script Attaches to a Running GUI**
- **Notify When a Script Opens a Connection**
Configuring eCATT to Work with QuickTest

Before you can use the eCATT-QuickTest integration features available with the QuickTest Professional Add-in for SAP Solutions, you (or an eCATT system administrator) must install the appropriate support package and configure the eCATT server to work with QuickTest.

For information on specific SAP server version and support package requirements, refer to the QuickTest Professional Add-in for SAP Solutions Readme.

This section describes:

- About Configuring eCATT to Work with QuickTest
- Setting External Tool Parameters in the ECCUST_ET Table
- Applying Necessary Roles or Profiles to eCATT-QuickTest Users

About Configuring eCATT to Work with QuickTest

To enable eCATT-QuickTest integration, an SAP user with administrative privileges must:

- Update the eCATT server with the appropriate support package. Contact SAP or your SAP representative to receive the necessary support package.
- Set external tool parameters in the ECCUST_ET table.
- Apply the necessary roles or profiles to each user who wants to work with QuickTest and eCATT.

Setting External Tool Parameters in the ECCUST_ET Table

To enable eCATT to communicate with QuickTest, certain values must be set for the external tool parameters in the ECCUST_ET table. This procedure should be performed only once in the system.

To set parameter values in the ECCUST_ET Table:

1. Navigate to transaction se17. The General Table Display window opens.
2. In the Table Name box, enter ECCUST_ET and press ENTER.
3. The Display Table ECCUST_ET window opens and displays an empty table with the required parameter names.
4. Enter the values exactly as shown below:

Other wise you can also use the function module SET_EXTERNAL_TOOL to create entries in the customizing table. For more information, refer to your eCATT documentation.
Function Builder: Initial Screen

Function module: BIT_EXTERNAL_TOOL
Click Execute, It will insert the values into ECCUST_ET Table

**Applying Necessary Roles or Profiles to eCATT-QuickTest Users**

To perform all of the operations described in the following sections, you must have permission to:

- run eCATT scripts
- edit eCATT scripts
- work with an external tool (QuickTest) in integrated mode
- connect to eCATT from an external tool (QuickTest) in standalone mode

Each of these tasks requires special roles or profiles. Before you begin working with the QuickTest-eCATT integration, you should confirm with your system administrator that the user name you use is assigned the necessary roles or profiles to perform the above tasks. For example, to work with QuickTest in standalone mode, you must be assigned the role **S_ECET** or the profile **SAP_ECET** in the eCATT system.

For more information, contact your system administrator or refer to your SAP and eCATT documentation.
Also You have to change the CATT and eCATT settings in Client Creation in SPRO.

In Restrictions when Starting CATT and eCATT, that you have to select X eCATT and CATT Allowed. Then Save and Come Back.

Also you have to create one External User ECATT_ET_USR in SU01 Transaction and assign the Following roll.

- SAP_ECAT
- SAP_ECET
- SAP_ECST