User Guide

Worksoft Certify® Integration with SAP® Solution Manager



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Patent

Worksoft Certify®

U.S. Patent No. 7,600,220

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Table of Contents

Chapter 1 Overview
Understanding Worksoft Certify and SAP Solution Manager Integration
Test Results
Certify and Solution Manager Link
Chapter 2 Creating a Test Configuration in Solution Manager
Overview
Creating a Test Configuration in Solution Manager
Chapter 3 Creating Processes
Overview
Certify Processes Summary Pane 13
Certify Process and Data Editor
Saving Existing Certify Processes to Solution Manager 15
Creating Certify Processes in Solution Manager 17
Exchanging Complex Data with eCATT 18
Editing Certify Parameters
Mapping SAP Parameters 19 Selecting Asset Names 20
Using Certify System Actions for SAP Solution Manager
TBOM Trace Action
Set Returned PDF Action
Logon SDC Action
Maintaining Passwords with the Logon SDC Action
Chapter 4 Creating a Technical Bill of Materials Using Certify
Overview
Selecting Test Configurations
Creating a Test Plan and Test Package 25
Executing a Test Package
Creating a Technical Bill of Materials Process 27

Chapter 5 Executing Certify from Solution Manager
Overview
Executing Your Test Configuration
Viewing the Certify UI During Test Execution
Viewing Test Results
Viewing Test Results in Solution Manager
Viewing Test Results in Certify
Executing Test Packages and Viewing Test Results
Viewing Test Results in the Test Workbench
Executing Test Packages
Appendix A Error Messages
User Authentication Error Messages
Project Validation Error Messages
Process Validation Error Messages
Process Execution Error Messages 36
Appendix B Troubleshooting
Resolving Password Errors
Solution Manager Submits Wrong Password to Certify
Enabling Certify Detailed Logging 38
Testing Connectivity
Transaction STCE
Transaction SOLAR02 40
Creating a Test Configuration
Appendix C Lights-Out Testing
Setting Up Lights-Out Testing
Registering Worksoft Certify as a Third-Party Tool
Creating a Certify Project
Updating ECATTUser in Certify 44

Chapter 1 Overview

In This Chapter

Understanding Worksoft Certify and SAP Solution Manager Integration

By integrating Worksoft Certify® with SAP® Solution Manager, you can create, edit, execute, and view the results of the Certify processes from within SAP Solution Manager.

You will be able to leverage SAP and Worksoft Best Practices for the following:

- Test organization
- Test execution
- Test package status analysis

Solution Manager contains test assets and links to the business processes to be validated, and Certify contains the automated and manual test processes, as well as the associated test assets to enable test automation.

As your test processes are defined and documented in Certify, you may want to link them back to SAP Solution Manager in order to have:

- An original inventory of business processes
- A central point of project governance

Test Results

Also, if you integrate Solution Manager with Certify, then test results are returned to both Certify and Solution Manager. You can store all results in a single repository in Solution Manager and ensure that the business requirements have been met by viewing your test packages and Test Workbench.

The Test Workbench provides a high-level view of the automation results in Solution Manager. You can check at any time the progress of individual test cases or an entire test package with the Test Workbench.

Certify and Solution Manager Link

Certify test processes are linked to the business processes in Solution Manager. From Solution Manager, you can:

- Create new Certify processes
- Edit existing Certify processes
- Execute Certify processes by invoking Certify for execution
- Review test results

You will need to have business processes already created in Solution Manager in order for you to integrate with Certify.

For more information about setting up the integration, see the *Worksoft Certify Integration with SAP Solution Manager Installation Guide*.

Chapter 2	Creating a Test Configuration in
	Solution Manager

In This Chapter

Overview	8
Creating a Test Configuration in Solution Manager	8

Overview

After you have configured your SAP Server and Worksoft Certify, you will now create a test configuration in SAP Solution Manager that will link to test processes in Certify. This chapter shows how to create a test configuration that you will need to integrate Solution Manager to Certify. When you create the test configuration, an internal test script that links Certify to the Solution Manager is automatically created.

Creating a Test Configuration in Solution Manager

This procedure assumes that you have already created business processes in Solution Manager.

The table below lists each element and the value that will be used in this guide's example test configuration process.

Element	Value
Certify Project	IntegratedSAP
Certify Process	ZCREATE_SALES_ORDER
Test Configuration	ZCREATESALESORDER
Internal Test Script	ZCREATE_SALES_ORDER
System Data Container	Z_RFT_SDC_DEV_AND_TEST
Solution Manager Business Process	Create Standard Sales Order

Your test configuration name must begin with the letter "Z."

• To create a test configuration:

1 Before you link your Certify process to the Solution Manager script, Certify must be pointing to the database that contains the specified Solution Manager project.

IntegratedSAP is the default value for the Solution Manager project. A Certify administrator adds this value when configuring Certify for integration. For more information, see the *Worksoft Certify Integration with SAP Solution Manager Installation Guide*.

2 Log on to your Solution Manager.

The SAP Easy Access Solution Manager screen appears.

Er Menu Edit Eavorites Extr <u>a</u> s System Help I	
SAP Easy Access SAP Solution Ma	nager
Image: Constraint of the second s	Create role 🕼 Assign users 🗟 Documentation
	۵ <i>.</i> ///

- **3** Type the transaction code **solar02** in the Command field or select **Configuration** from the SAP menu.
- 4 Press <**Enter**>.

The Configuration Change for your project screen appears.

Configuration Edit Coto Settings Environment System He		05		SAP	0
Configuration Change for Project UPGRAD	E				
y 🖻 🗖					
	System Role	Development System			
onfiguration Structure	Process Step	Create standard sales order			
Select customer (JSP)	Administration	Transactions Configuration Developme	nt 🖉 Test Cases 🖌 Messa	ges / Graphic / Train Th	1.1.1
Select product and create order (Automotion	transactions configuration perelopme	INCOMPANY INCOME	ges Graphic Francis	
System performs availability chec					
Check and save order (JSP)		10 C C 11 C C C C C C C C C C C C C C C			
 System processes order System provides order confirmation 					
System provides invoice	Test Case Type	Logical Com Test Case	25.023	ors Test Case Name	Te
View order confirmation, status, a	eCATT Test Conf	igurati. 🖞 ZECC_BES. 🖞 Z_OTC_CREAT	SALESORDER	Z_OTC_CreateSalesOr.	
🖤 🛄 Service Order Quotation in ERP	eCATT Test Conf	igurati _ ZECC_BES_ T Z_OTC_CREAT	OUTBOUND	Z_OTC_CREATEOUTBO	
🗀 Create service order	eCATT Test Conf	igurati 🗇 ZECC BES 🖞 Z OTC DISPLA	YSALESORDER	Z_OTC_DISPLAYSALES.	
Assign technical objects	eCATT Test Conf	igurati. 1 zecc_Bes. 1 Z_OTC_CONFI	MTRANSFERORDER	Z OTC CONFIRMTRAN	
System determines valid warranty		igurati. 2 ZECC BES. 2 Z OTC POSTG		Z OTC POSTGOODSIS	
Assign valid contract Create operations and spare part		igurati 🗇 ZECC BES 🗇 Z OTC CREAT		Z OTC CREATEBILLIN.	
Create operations and spare part Run availability check for spare p		igurati _ ZECC BES_ & Z OTC DISPLA		Z OTC DISPLAYCOMP.	£.
Run credit check	and and a second s			The second s	44-
System creates quotation from se		igurati. 🖞 ZECC_BES. 🖞 ZOTC_WORKFI		ZOTC_WORKFLOW	÷-
🗢 🗋 🕒 Standard Sales Order Processing		igurati 🗋 ZECC_BES. 🗋 ZOCT_EC_WOR	KFLOW	ZOTC_EC_WORKFLOW	4.
C Create standard sales order		figurati_ 🗄 zecc_Bes_ 🗄 ZOTC_MULTI3		ZOTC_MULTI3	
Create cash sale		igurati _ 🗄 ZECC_BES_ 🗄 ZCREATE_OUT		CREATE_OUTBOUND	
🛄 🕒 Create rush order	eCATT Test Conf	igurati _ D_ZECC_BES_ D_ZCREATE_BILL	ING_DOC	Create Billing Docume.	
Select inquiry, quotation or contri-	eCATT Test Conf	figurati. 🖞 ZECC_BES. 🖞 ZCREATESALES	ORDER 👩		
Determine business partners Create order items		0 0			
Create order items		0 0			
Determine material batches		5 5			
Check availability, schedule orde		21 Z)			
Determine prices and conditions					
Determine and maintain texts		77			2
Check foreign trade data	1				6
Check credit limit				•	
Determine and process message					
 Monitor returnable packaging stor Monitor sales order processing 					_
Monitor sales order processing					
				SOLAR02 II srv-sap2 INS	-

5 In the Configuration Structure tree, select the business process to which you want to add the test configuration.

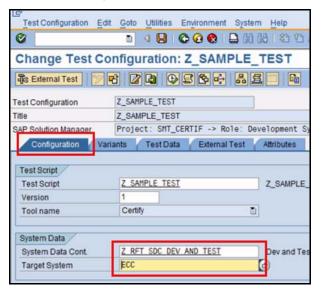
- 6 Click the **Test Cases** tab.
- 7 In the Test Case Type column, select the entry that corresponds to Certify.
- 8 In the Test Case column, type in a test configuration name that begins with the letter "Z".You will now create the object for the configuration.
- 9 Click the **Create** button.

The Create Test Configuration screen appears.

Test Configuration Edit G	oto Utilities Environment System <u>H</u> elp	SAP
	4 日 6 6 8 日 11 12 13 13 13 18 18 18 19 18	se l
Create Test Config	uratn: ZCREATESALESORDER	
	6 5 4 5 5 5	
	ZCREATESALESORDER Create Sales Order	
Configuration / Variants		
General Data Extras		
Header Data		
Title	Create Sales Order	
Package		
Person Responsible	RFLEMING Type B	
Component	SD-SLS-SO Sales Orders	
Search Terms 01 02 03 04 05 06 07 08 09 10		
Ĩ		
	٥	SOOO 🖻 srx-sap INS 🌌 🦯

- **10** Click the **Attributes** tab.
- **11** Click the **General Data** tab.
- **12** In the General Data tab, type the test configuration title in the Title field.
- **13** In the Person Responsible field, select the owner.
- **14** In the Component drop-down list, select the appropriate component for your test and click the **Choose** button.
- **15** Leave the remaining fields blank.

16 Click the **Configuration** tab.



- **17** In the System Data Container field, select the container to be tested.
- **18** In the Target System field, select the system to be tested.
- 19 Click the Save 📙 button.

The Create Object Directory Entry dialog box appears.

Object	R3TR	ECTC	ZCREATESALESORDER	
Attributes	/			
Package	9			
Person	Respon	sible	RELEMING	
Original	System	i –	R3S	
Original	langua	ge		
	Ohioot	0	ock Overview 🖪 🗙	
	a Object			



Note: Depending on the RFC connection in some systems, this dialog box may not appear because of user configuration. If it doesn't appear, proceed to the next step.

- **20** Verify the information in the dialog box.
- 21 Click the Local Object button.
- 22 Click the Save 📙 button to save the test configuration.

You will now create your Certify process.

Chapter 3 Creating Processes

In This Chapter

Overview	13
Saving Existing Certify Processes to Solution Manager	15
Creating Certify Processes in Solution Manager	17
Exchanging Complex Data with eCATT	18
Using Certify System Actions for SAP Solution Manager	20
Maintaining Passwords with the Logon SDC Action	22

Overview

After you have created a test configuration in Solution Manager that will link test processes in Certify, you are now ready to create processes. Certify has added features for users to support the integration.

Certify Processes Summary Pane

Two Solution Manager right-click menu options appear in the Certify Processes Summary pane:

Option	Description
Load Process From SAP	 To load a process associated with SAP Solution Manager, you will need to provide the following information: Test script name and version Connection information, including RFC parameters
Unlink Process From SAP	Unlink the process from your SAP system.

Certify Process and Data Editor

Within the Certify Process and Data Editor, you are able to do the following tasks from the SAP menu:

Option	Description
Load Test Script	Load and edit a process associated with Solution Manager. You will need to provide a test script name and version, as well as RFC information that is needed to connect to SAP.
	This option is enabled if the Process and Data Editor was started from Certify.
Save and Return to SAP	Save your process changes and return control to SAP. This option is enabled if the Process and Data Editor is launched from Solution Manager.
Save and Continue	Save your process changes and continue editing the current process. This option is enabled if the Process and Data Editor is launched from Solution Manager.
Save to SAP (Initially)	Save your process changes to SAP. This option is enabled if the Process and Data Editor was started from Certify.

Option	Description
Return to SAP	Return to SAP.
	If there are any unsaved changes, you will be prompted to save them or not.
	This menu option is enabled if the Process and Data Editor is launched from Solution Manager.
Edit Certify Parameters	Create a list of parameters that are exchanged between eCATT and Worksoft Certify.
	For more information, see "Exchanging Complex Data with eCATT" on page 18.
Edit SAP Parameters	Close Certify and control is returned to SAP to allow you to edit structured parameters. After you have completed your editing, control is returned to Certify where you will continue to construct your process.
	For more information, see "Exchanging Complex Data with eCATT" on page 18.
Map SAP Parameters	Map structured parameters to Certify layouts and variables.
	For more information, see "Exchanging Complex Data with eCATT" on page 18.
Show Test Script Details	View the details about the test script and RFC connection.
	This menu option is enabled if the Process and Data Editor is launched from Solution Manager.
Show RFC Parameters	View the RFC parameters.
	This menu option is enabled if the Process and Data Editor is launched from Solution Manager.
Password Maintenance	Maintain SAP passwords for system data container users. For ore information, see "Maintaining Passwords with the Logon SDC Action" on page 22.

Saving Existing Certify Processes to Solution Manager

With Solution Manager integration, you are able to save existing Certify processes to Solution Manager.

• To save your existing Certify process to Solution Manager:

1 In the Certify Processes window, open up an existing Certify process.

The Process and Data Editor appears.

2 In the SAP menu, select SAP > Save to SAP (Initially).

File Edit View Action Tools SA	P Help			
+000 %06 0	Load Test Script			
G Demonstration_ProcureToPay	Save and Return to SAP	ጜ_ Steps	E Recordset	😼 Attributes
🕥 System 1.0 System	Save and Continue			
O UTL_Login	Save to SAP (Initially)			Layout:
SAP Core 1.0 SAP Main	Return to SAP	reToPay		🖻 SAP Logon 📰
*	Password Maintenance			RecordSet Name:
Materials Management 1.0 Crea	Edit Certify Parameters			III SAP Logon 🔹 🗴
	-			RecordSet Mode:
	Show Test Script Details Show RFC Parameters			N 18 18 19 19 19 19 19 19 19 19 19 19 19 19 19
	Show KFC Parameters			Development Status: Owner: Development Assign Owner Clear Owner
				Development Assign Owner Clear Owner Team:
				ream;
				Folder Name:
				Procure to Pay
				Project Name:
				Human Resources
				Execution Flow Rules:
				Execution Flow Rule
				4
L				

The Save Test Script dialog box appears.

C	Save Test Script
Test Scri	pt Information
Test Sci Version	
Connect	ion Information
Usernar AS Hosi Client: System	
Langua	ge: Change RFC Parameters
	OK Cancel

- **3** In the Test Script text field, type in a test script name.
- 4 In the Version text field, type in the script version.

5 Click Change RFC Parameters.

The RFC Parameters dialog box appears.

Username	21		
1	004		
Password	i -		
AS Host:			
Client:			
System N	umber:		
Language	:		

- **6** Type in the following information:
 - User name
 - Password
 - Host
 - Client
 - System Number
 - Language
- 7 Click OK.

The Save Test Script dialog box appears with the RFC connection information.

8 Click OK.

Your test script is saved.

Creating Certify Processes in Solution Manager

After your integration, you are able to launch the Certify Process and Data Editor from Solution Manager to create Certify processes.

• To create Certify processes in Solution Manager:

1 In the Solution Manager Navigation toolbar, click the **External Test** button to open Certify.

	a 4 📙 I 😋 😧 😫 I 🖨 🕼 😢 🐿 A 1
Change Test C	onfiguration: Z_SAMPLE_TEST
ब्हिंs External Test 📎	t 22 02 54 25 5
Test Configuration	Z_SAMPLE_TEST
Test Configuration Title	Z_SAMPLE_TEST Z_SAMPLE_TEST

The User Entries for the External Tool dialog box appears. This dialog box allows you to log into Certify.

🖙 User Entries for External Tool	
User Name for External Tool	admin
Password for External Tool	******
Project Name in External Tool	SAP
🖌 Continue 🗶 Cancel	

2 Type in the following information:

Field	Value
User Name for External Tool	Certify user name
Password for External Tool	Password for the Certify user
Project Name for External Tool	Certify project name

3 Click the **Continue** button.

The Certify Process and Data Editor opens.

- **4** Add steps to your new process or edit your existing process. For information on how to add steps to processes, see the *Certify Online Help*.
- 5 After you have completed updating your process, select **SAP** > **Save and Return to SAP** from the Certify Process and Data Editor menu.

The Process and Data Editor closes, and the SAP Create Object Directory Entry screen appears with populated information.

Object	R3TR	ECTC	ZCREATESALESORDER	
Attributes	/			
Package	•			
Person Responsible		sible	RFLEMING 🕝	
Original	System		R3S	
Onininal	languag	10		

- 6 Verify the information and click the Local Object button.
- 7 After returning to SAP, click the **Back** button to return to the business process step in Solar02.

You are now ready to execute your process in Solution Manager.

Exchanging Complex Data with eCATT

The following menu options allow you to exchange complex data between Worksoft Certify and eCATT:

- Edit Certify Parameters
- Edit SAP Parameters
- Map SAP Parameters

During process execution, Certify normally receives data from the Certify database. For mapped assets, values will come from data provided by SAP, and the values in the Certify database will be ignored.

A recordset in Certify is a table of data from the Certify database. During process execution, a copy of the recordset is made in memory, and actions are performed against it. For mapped recordsets, Certify will interrogate the data supplied by SAP, and it will build an in-memory copy from the SAP-supplied data.

If a table in SAP contains child tables that are mapped to a different recordset than the parent table, then when a row is advanced in the parent table, a different set of child records will be used. The child recordsets are cleared and forced to pull their data again. This process allows the child recordset to be refreshed within the context of the correct parent row.

Editing Certify Parameters

When you select the **Edit Certify Parameters** option in the SAP menu, the Certify Parameters dialog box appears.

Selected Parameters Pane

The Selected Parameters pane displays the parameters exchanged between eCATT and Worksoft Certify. You are able to add or remove parameters by selecting the option from the right-click menu or clicking the dialog box's **Add Parameter** and **Remove Parameter** buttons.

Parameters that were authored in Certify can be added or removed.

You are unable to edit or remove parameters that were authored in SAP. Parameters authored in SAP will appear in the list if they exist. These parameters will display **custom** in the Default Value and Type columns.

Candidates Pane

The Candidates pane lists variables that may be used as parameters. Click the **Refresh Candidates** button to refresh the variables list. Variables that will be added to the Candidates pane must meet the following criteria:

- Variable is not already in a parameter list.
- Variable is not mapped to part of a complex parameter.

To make a variable into a parameter, select a variable candidate and click the **Make Parameter** button. The candidate now appears in the Selected Parameters pane.

Mapping SAP Parameters

When you select the **Map SAP Parameters** option in the SAP menu, a dialog box for mapping structured parameters to Certify layouts and variables opens.

The Map SAP parameters dialog box consists of the following five columns:

Column	Description
Match	 The Match column will be empty or will show one of the following icons: This icon appears after mapping has completed, and the parameter is matched to a Certify asset. This icon appears when the mapping has been edited. It identifies the changes that will be saved when you click the OK button. If no icon appears, then a Certify asset has not been mapped to this entry.
Name	This column displays the SAP name of the complex item.
Asset Name	This column displays the name of the Certify asset that is mapped. You will select the asset from a drop-down list or a pop-up dialog box. If the Certify asset is a variable, the variable name is listed. If the asset is a recordset, then the layout name and recordset name are listed and separated by a colon.
Asset Type	This column identifies the kind of Certify asset that can be mapped to this SAP asset. If the SAP asset is a table or structure, then it can be mapped to a layout and recordset. If the SAP asset is a field, then it can be mapped to a variable.
Description	This column displays the description from the SAP data dictionary for the related SAP asset.

Selecting Asset Names

To map your SAP parameters, you will need to select a name from the Asset Name drop-down list. The Asset Name lists are dependent on the Asset Type column.

If the asset type is Layout and Recordset, the drop-down list contains the following:

- Current mapping to a layout and recordset
- An empty value so that the mapping may be cleared
- Option to select your recordset from the Select Recordset dialog box

When you select this option, the dialog box opens.

If the asset type is **Variable**, the drop-down list contains the following:

- Current Mapping to a variable
- An empty value so that the mapping may be cleared
- Option to select your variable from the Select Variable dialog box

When you select this option, the dialog box opens.

If this variable is part of a table that is mapped to a layout and recordset, the drop-down list will also include all of the variables in the layout so that you are able to map to an SAP table.

Using Certify System Actions for SAP Solution Manager

System classes and actions are available across all platforms and supplied with every Certify installation. The System class **Solman** provides actions for Solution Manager processes. You must launch the Certify Process and Data Editor from the Solution Manager in order to create steps with the following actions:

- TBOM Trace
- Set Returned PDF
- Logon SDC

TBOM Trace Action

The TBOM Trace action is used to turn on and off Technical Bill of Materials tracing during a Certify process execution. For more information, see Chapter 5, "Executing Certify from Solution Manager," on page 28.

Set Returned PDF Action

The Set Returned PDF action is used to control the type of PDF document returned from Certify to SAP at the end of an execution. A PDF document will only be generated and transferred only if the Transfer Log option is selected in SAP. A step with this action can appear anywhere within the process.

Logon SDC Action

The Logon SDC action is used to log on to SAP systems using information provided in a system data container.

Parameter	Description
System	This parameter is a combo box. System data containers may contain information about more than one system. You will select a system from the system data container. If you select Default as the value, then the system marked as the default system is selected.
User	This parameter is a combo box in which you are able to use values typed into this parameter. Each entry in the system data container has a user associated with it. If you select Default as the value, then Certify will use the user associated with the selected system data container.
Certify Maintained Password	This parameter is a combo box with the values True and False . SAP does not provide passwords to Certify, but passwords are required when you log on. If the value is True , then the password will be extracted from a table maintained in Certify. For more information, see "Maintaining Passwords with the Logon SDC Action" on page 22. If the value is False , then the Password parameter is used.
Password	This parameter is a text box. The Password parameter is used only if Certify Maintained Password parameter is set to False .
Destination Type	This parameter is a combo box. The values for this parameter are Default , RFC , and HTTP . Each system data container entry allows you to log on to an SAP GUI session, an HTTP session, or both sessions. Typically, a system data container entry will have only one destination type, and the value you should select is Default .
Report Type	 This parameter is a combo box. The values for this parameter are Results - Detail Results - Summary Results - Recordset The generated PDF will correspond to the report type that you select.

Maintaining Passwords with the Logon SDC Action

SAP does not provide passwords to Certify, but passwords are required when you log on to a system within a system data container. The user name can come from a system data container, but the password does not.

When you have a step that uses the **Logon SDC** action, you will need to maintain the passwords for system data container users within Certify. The SAP Password Maintenance dialog box in Certify allows you to maintain these SAP passwords. You will indicate if the password will be extracted from this dialog box with the **Certify Maintained Password** parameter of the Logon SDC action.

You are able to access this dialog box in the Process and Data Editor menu bar **SAP** > **Password Maintenance**.

The SAP Password Maintenance dialog box contains a single table that shows the passwords maintained in Certify. Within the context menu, you are able to add, remove, or export passwords. When you select **Add New Entry**, a row appears in the table, and you are able to type in a new password. Each row has the following fields:

- Description
- User name
- Client
- System number
- Server
- System ID
- Group
- Destination type
- Password
- Port

Details from the selected system data container will be compared against entries in this table. If a matching entry is found, then the password from that matching entry will be used in the Logon SDC step.

Different combinations of fields are checked:

- HTTP destination must match user name, server, and port.
- RFC must match.
- User name and system ID must match or user name, server, and system number must match.

Chapter 4	Creating a Technical Bill of Materials
	Using Certify

In This Chapter

Overview	24
Selecting Test Configurations	24
Creating a Test Plan and Test Package	25
Executing a Test Package	26
Creating a Technical Bill of Materials Process	27

Overview

In order to create a Technical Bill of Materials (TBOM) process, you will need to do the following:

- Select test configurations
- Create a test plan and test package
- Execute the test package
- Create a TBOM process

Selecting Test Configurations

Before creating a TBOM process, you will need to select test configurations in SAP Solution Manager. The Certify process must be called from a test configuration that has a system data container assigned to it.

To select test configurations in Solution Manager:

1 In the SAP GUI, type the transaction code **solar02** in the Command field.

2 Press <Enter>.

The Configuration Change for your project screen appears.

Configuration Edit Golo Utilities Environm	ent System Help		SAP
	0 0 D 0 0 0 0 0 D 0 0 0 0 0 0 0 0 0 0 0		
Project: SMT_CERTIF - Change	e - Configuration - SAP	Solution Manager	
28			
	System Role	Development System	1
Configuration Structure	Process Step	Sales Order	
Project for SMT Certification	Administration Transas	tions Configuration Development Te	st Cases Issues/Messages In
Configuration			
Organizational Units			
Master Data		N	
Business Scenarios			
	Type Logical Com IQ	biect In Scope Name	Standard Processing
🗵 Logistics	Type Logical Com IO		Standard Processing
		N01 Create Sales Order	
C Logistics	Transact1 Z_ERP_C5P TI W	N01 Create Sales Order	
	Transact1 Z_ERP_C5P TI W	N01 Create Sales Order	© 0
C Logistics Organizational Units Master Data Susiness Processes	Transact1 Z_ERP_C5P TI W	N01 Create Sales Order	

- 3 In the Configuration Structure tree, select the business process where the test configuration is located.
- 4 Click the **Transactions** tab.
- **5** In the Transactions tab, select one of the transactions.
- 6 Click the Attributes button.

Rerecord Create	Enhancement	Enhan	cements(1)	Delete	Display	Content Action Log]
Work Item							
Work Item Existen	ce		No	Create 1	BOM Re	cording Work Item	
Header Data							2
Description			SMT_CERTIF-S	ales Order-	ZBPCA_C	5P-BNTA-VA01	G.
Created at (CET: U	JTC + 1 hour)		17.11.2010 1	6:13:14	By:	C5137766	
Updated at (CET:	UTC + 1 hour)		17.11.2010 1	6:18:54	By:	C5137766	
Unlocked at (CET)	UTC + 1 hour)				By:		
Overall Status			Out-of-date	A 20 3			
TBOM Creation			Dynamic	Static		Test Case	
Business Process	Hierarchy						
Project			SMT_CERTIF				
Process Step			Sales Order				
Executable Name			VA01				
Executable Type			Transaction				
TBOM Environmen	t/						
Check System	1					Assigned Automate	1 Test Cases
Systems Involved						Assigned to TBOM	Test Case
Logical Compon	System ID	Client	Product Ver	Sytem Role	1		Z_SMT_CREATE_SALES_OF
ZBPCA_C5P	C5P	004		Developmen			Z_SMT_CREATE_SALES_OF
						•	Z_SMT_04_2
						•	Z_SMT_04_2_WRAPPER

The Attributes Maintenance dialog box appears.

- 7 Click the **TBOM** tab.
- 8 In the lower right corner, select one or more test cases assigned to this business process step that are set up to record TBOM processes.
- 9 Click **Check** to accept the changes.

Creating a Test Plan and Test Package

TBOM creation is performed when running test packages. Follow your existing procedures to create test plans and test packages. Also, you will need to assign test packages to users for execution.

Executing a Test Package

When you execute a test package, you will see a new option in the Start Options dialog box. You may have to scroll down to see the Activate TBOM Recording option.

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Start Optio	ns - eC	AT	т							_
0000	0									
Fest Configuration	Z_0	ERT	IFY_S	SMT_1	1	_	_	-	z	C
Test Tool	Cer	tif	y						1	
Shared 1	II Control					_	_			
External Path		C:	\User	s\c	5137	766\	Sapl	lorki	Dir	
SAP Solution Mar	nager Conte	ext /								
Project			AGS						TPr	oje
System Role			Qua	lity As	sura	nce :	Syste	m	_	_
System Data										_
System Data		Z_	AGS_S	SMT_V	٧S					
Target System										
Log							_		_	_
Log Display										
Test Workbench	7									_
Copy Status to	TWB									
Business Proces	s Change A	Analy	zer	1						_
Activate TBOM	Recording	6		-						
			-	-	_	_	_	_	_	_

If the Activate TBOM Recording option is selected, and the test is set up to generate a TBOM, then TBOM information will be collected while the test is running.

You are now ready to create your TBOM process.

Creating a Technical Bill of Materials Process

You must launch the Certify Process and Data Editor from the Solution Manager in order to create a TBOM process.

You will use the Certify System Solman action **TBOM Trace** for your processes. The TBOM Trace action is used to turn on and off the TBOM tracing during a Certify process execution. At the beginning of your process, add a step with the TBOM Trace action to turn on the TBOM recording against the system of interest. At the end of your process, add a step with the TBOM Trace to turn off the TBOM recording.

If Solution Manager indicates that tracing is turned off, the step with this action will always pass. If Solution Manager indicates that tracing is turned on, the step with this action will try to turn on tracing in the selected back end system identified in the system data container.

TBOM Trace Parameters

Listed in the table below are the parameters for the TBOM Trace action:

Parameter	Description
System	This parameter is a combo box.
	System data containers may contain information about more than one system. You will select a system from the system data container. If you select Default as the value, then the system marked as the default system is selected.
User	This parameter is a combo box in which you are able to use values typed into this parameter.
	Each entry in the system data container has a user associated with it. If you select Default as the value, then Certify will use the user associated with the selected system data container.
Start/Stop	This parameter is a combo box with values of START and STOP .
	It will turn on tracing for a selected system/user combination. You must stop tracing on one system before you are able to start tracing on another system.
Destination Type	This parameter is a combo box. The values for this parameter are Default , RFC , and HTTP .
	Each system data container entry allows you to log on to an SAP GUI session, an HTTP session, or both sessions. Typically, a system data container entry will have only one destination type, and the value you should select is Default .

Chapter 5	Executing Certify from Solution
	Manager

In This Chapter

29
29
31
33
33
3

Overview

After you have configured Solution Manager and Certify, created a test configuration, and created your scripts, then you are ready to execute your Certify process from Solution Manager. You can execute either your test configuration or your eCATT script for results.

Also, you can execute your Certify processes from Solution Manager test packages and your Test Workbench, as well as review detailed results.

Executing Your Test Configuration

From the Objects tree, you will execute your test configuration.

• To execute your test configuration:

- **1** Before you can execute processes in Solution Manager, you will need to be logged on to the SAP machine that you will be testing.
- 2 In the Objects tree, right-click on the your test configuration and select **Execute** or select the test configuration and click the **Execute Test Configuration** button.

The Start Options Test Script screen appears.

E Start Options Edit Goto U	Jtilities System <u>H</u> elp		
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Start Options - Test	Configuratn: ZCREATE	SALESORDER	
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Test Configuration ZCR	EATESALESORDER	Create Sales Order	
Shared Variants UI	Control Breakpoints		
Execution Error Behavior	S No Termination, Continue wit	h Next Script Command	
Debugging Mode	N Normal Breakpoint Handling,		
Execution Control			
System Data System Data			
Target System		_	
Log			
✓ Log Display			
Archiving			
RFC			
Close RFC connection			
Use Asynchronous RFC			
Message Processing			
Create Application Log Mes	sages		
			▶ S000 🗐 sr⊬sap INS 🖌

- **3** For Error Behavior field, select the option **No Termination**, **Continue with the Next Script Command** in the drop-down list.
- 4 In the Debugging Mode field, select an option from the drop-down list.
- 5 If you do not want to view the Certify UI as the process runs, click the **Execute** whether button.

If you do want to view the Certify UI, go to "Viewing the Certify UI During Test Execution" on page 31. The User Entries for External Tool dialog box appears.

🖙 User Entries for External Tool	X
User Name for External Tool	admin
Password for External Tool	*****
🖌 Continue 🕱 Cancel	

This dialog box is where you input your Certify logon information.

6 Type in the following information:

Field	Value
User Name for External Tool	Certify user name
Password for External Tool	Password for the Certify user

7 Click the **Continue** button.

The test begins to run, and this execution may take some time to complete.

After the test completes, the Certify Result Viewer appears with the test configuration results.

Viewing the Certify UI During Test Execution

You are able to select the option to view the Certify UI during the test execution.

• To view the Certify UI while executing your test configuration:

- **1** Before you can execute processes in Solution Manager, you will need to be logged on to the SAP machine that you will be testing.
- 2 In the Objects tree, right-click on the your test configuration and select **Execute** or select the test configuration and click the **Execute Test Configuration** button.

The Start Options Test Script screen appears.

Start Options Edit Goto	Utilities System Help	
a second and a second sec	4 8 6 6 6 8 8 8 8	100 A A I 🛛 🖉 🖬 🖉 🖬
Start Options - Test	t Configuratn: ZCREATES	SALESORDER
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Test Configuration ZCI	REATESALESORDER	Create Sales Order
Shared Variants U	I Control Breakpoints	
Execution		
Error Behavior	S No Termination, Continue with	n Next Script Command
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 Mes	sages	
		↓ S000 19 sr⊬sap INS ↓
		V SUUU 🛅 sh-sap INS 🥖 🦯

- **3** For Error Behavior field, select the option **No Termination**, **Continue with the Next Script Command** in the drop-down list.
- 4 In the Debugging Mode field, select an option from the drop-down list.
- 5 Click the **UI Control** tab.

The UI Control tab appears.

Start Options Edit Goto Utiliti	es System Help		SAP
Ø 1	4 🗟 I 🕸 🚱 😫 🕼 🖓 I 😂 🕰 😂 I 📓 🖗	08	
Start Options - Test C	onfiguratn: Z CREATESALESORDER		
0200			
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resconigatation [c_onchire	OTC_Clearesalesorder		
Shared Variants UI Cor	ntrol Dreakpoints		
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Start Mode for Command TCD	N Process in Background, Synchronous Local		
Start Mode Overwrites Mode If T			
SAPGUI			
	ands in a Single Session per Destination		
Highlight the Called GUI Elemen	nts		
Minimize eCATT GUI			
Processing Mode for SAPGUI	N Optimized Performance		
Error Mode for SAPGUI	N Standard (Terminate on Any Error)		
Stop When	N Do Not Stop		
Stop in Debugger			
Close GUIs	N Close Created Sessions After Script Run		
Save Screenshots			
Web Dynpro			
Start Mode	N Background Processing		
External Tool	a table the state data of Calendar Visit		
Mode for External Tool	A With User Interface of External Tool		
User Name	D Debug Mode		
Password	A With User Interface of External Tool		
	1		
			4
Start Certify	SAP Logon 710	🚰 Start Options - Test C	🕐 🗘 🚺 🕼 👽 🔽 🕅 12:26 PM

6 In the External Tool section, select With **User Interface of External Tool** from the Mode for External Tool drop-down list.

7 Click the **Execute** button.

The User Entries for External Tool dialog box appears.

🖙 User Entries for External Tool	X
User Name for External Tool	admin
Password for External Tool	********

This dialog box is where you input your Certify logon information.

8 Type in the following information:

Field	Value
User Name for External Tool	Certify user name
Password for External Tool	Password for the Certify user

9 Click the **Continue** button.

The Certify Configuration dialog box appears auto-populated with your process information.

10 Click the **Start** button.

The Certify Execution dialog box appears.

11 Click the **Run** button.

The process is executed, and the Certify Result Viewer appears with the results.

Viewing Test Results

Test results are stored and can be viewed in both Solution Manager and Certify.

Viewing Test Results in Solution Manager

The test configuration appears at the top of the log. Drill down into the test script to see details of the Certify process steps.

View the log entries by the pass/fail status. If a parent node has a red icon, then the procedure failed; however, the child nodes still appear with green icons. You should look for the failed step at the lowest step level.

Viewing Test Results in Certify

To view the detailed test results in the Certify Results Viewer, click the **UNCPathToLocalLog Entry** value in the Solution Manager test results, and the Certify Results Viewer opens.

Executing Test Packages and Viewing Test Results

With test packages, you can view test results from the integrated script and assign testers to execute these Certify processes in Solution Manager. These test results can then be viewed in the Test Workbench.

Viewing Test Results in the Test Workbench

The Test Workbench provides a high-level view of the automation results in Solution Manager. You can check at any time the progress of individual test cases or an entire test package with the Test Workbench.

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fest: Start					
3 🗟 🗟 👅 🎟 🖷 🖼 🌆 🖓 🕄 Worklist 🕄	Status 🧟 Message Overview				
Welcome RFLEMING					
Your Worklist					
Test Plan	Test Package	Errors	No Result	OK	Message Exists
Standard_Sales_Order	Sales Orders Test	0	5	0	
Testing Sales Order Processes	Create Sales Order Test	0	0	1	
UPGRADE - Order To Cash Test Plan	Order To Cash	0	6	0	
of on the condent to cash rescribin					
		0	6	0	
UPGRADE - OTC_WORKFLOW TEST PLAN	ZOTC_WORKFLOW TEST PACKAGE	0	6 1	0	
UPGRADE - OTC_WORKFLOW TEST PLAN			6 1 1		
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UPGRADE - OTC_WORKFLOW TEST PLAN UPGRADE - ROBIN - RICK - ROBIN23TestPlan	ROBIN23TestPackage	0 0 0 0	6 1 1 1 1 1	0 0 0 0	
UPGRADE - OTC_WORKFLOW TEST PLAN		0 0 0 0	6 1 1 1 1 1 1	0 0 0 0	
UPGRADE - OTC_WORKFLOW TEST PLAN UPGRADE - ROBIN - RICK - ROBIN23TestPlan UPGRADE - ROBIN - RICK - Robin301	ROBIN23TestPackage	0 0 0 0	6 1 1 1 1 1 1 1	0 0 0 0 0	
UPGRADE - OTC_WORKFLOW TEST PLAN UPGRADE - ROBIN - RICK - ROBIN23TestPlan	ROBIN23TestPackage	0 0 0 0	6 1 1 1 1 1 1 1 1	0 0 0 0	
UPGRADE - OTC_WORKFLOW TEST PLAN UPGRADE - ROBIN - RICK - ROBIN23TestPlan UPGRADE - ROBIN - RICK - Robin301	ROBIN23TestPackage	0 0 0 0 0	6 1 1 1 1 1 1 1	0 0 0 0 0	

To view more detailed results, click on the test package.

The Test Run Test Package screen appears.

₽ List Edit Goto Settings System Help						SAP
		000 00 00	6			
Test Run Test Package "Crea	ate Sales Order T	est"				
Perform Test						
Test Plan Testing Sales Order Proct Test Package Create Sales Order Test Analysis of 06.06.2008, 14:18:43	esses					
장 쇼 🗿 🕿 친 💷 친 🗎 Tabular Display	Hierarchy List	Message Overview	Automatic Test]		
est Plan	Errors No Result	OK Run Test Case Test		Priority Status	s Status Text	Log
Create standard sales order	0 0			3 000	Test Execution Successful	
D/ create sales order		200	EATE_SALES_ORDER	5 000	Test Execution successful	000002015.000
	[4][)					4.5
					D STWB WO	IRK II sry-sap2 INS

The Test Run Test Package screen allows you to view the test results status, as well as open the detailed results. To view detailed test results, click the test package value in the **Log** column. Detailed test results appear in the Certify Result Viewer.

Executing Test Packages

In the Test Run Test Package screen, you can execute test packages that contain Certify processes by clicking

the **Automatic Test** button or the **Test Automatically** icon under the Run Test Case column. For more detailed steps on executing processes, see "Executing Your Test Configuration" on page 29.

Appendix A Error Messages

User Authentication Error Messages

Certify will not authenticate the user against the Certify database:

- If an invalid user name is supplied, then Certify will display the message, "Invalid user name: xxx," and Certify will return a code to eCATT indicating invalid user.
- If an invalid password is supplied, then Certify will display the message, "Invalid password," and Certify will
 return a code to eCATT indicating invalid password.
- If there is any other error, then Certify will return a code indicating unknown error.

Project Validation Error Messages

Certify shall not validate the project:

- If the project does not exist, then Certify shall display the error message, "Project xxx does not exist," and Certify will return a code indicating unknown error.
- If the project exists, but the user does not have permissions to edit processes in the project, then Certify
 display the error message, "You do no have permissions to edit processes in project XXX," and Certify will
 return a code indicating invalid permissions.
- If there is any other error, then Certify will return a code indicating unknown error.

Process Validation Error Messages

Certify shall not validate the process:

- If the process is found in a different project, then Certify will display the error message, "This process was found in project xxx, not yyy. Specify project xxx or change the existing Certify process to avoid a collision." Certify will then return a code indicating unknown error.
- If you open an existing Process and do not save, then you will not be able to connect to eCATT. If Certify cannot connect to eCATT, the Certify will display the error message, "Cannot connect to eCATT using RFC," and Certify will return a code indicating RFC error.
- If there is any other error, then Certify will return a code indicating unknown error.

Process Execution Error Messages

Certify shall display error codes:

- If the execution status is failed or aborted, then Certify will return a code indicating execution failed.
- If Certify has trouble connecting to eCATT to store results, then Certify will display the error message, "Cannot connect to eCATT using RFC," and Certify will return a code indicating RFC Error.
- If any other error occurs, then Certify will return a code indicating unknown error.

Appendix B Troubleshooting

This Appendix provides guidance on how to troubleshoot your integration between Worksoft Certify and SAP Solution Manager.

Resolving Password Errors

When trying to save a process in Certify and returning to Solution Manager, you may get a user name and password error.

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correct (repeat logon)
ОК

User names are not case-sensitive, but passwords are case-sensitive. The ABAP code in Solution Manager uses the well-known password **ecatt_et**. The password must be lower case.

• To disable the Certify password feature:

- **1** Before you enable detailed logging, you must shut down Certify and all SAP GUI sessions.
- 2 Use the Windows Task Manager to verify that the wsecattwrapper.exe process is not running. If this process is running, turn it off.
- **3** Locate the Certify configuration file that is located in the following directory:

C:\Program Files (x86)\Worksoft\Certify\Client\Worksoft.Certify.exe.config

- 4 Open the **Worksoft.Certify.exe.config** file in Notepad or another text editor.
- 5 In the configuration file, scroll down to the **<appSettings>** section.
- **6** Just beneath the <appSettings> tag, copy and paste the following line into the configuration file:

```
<add key="LeaveEcattPasswordUnchanged" value="True" />
```

Example:

<appSettings>

```
<add key="LeaveEcattPasswordUnchanged" value="True" />
```

7 Save the updated configuration file.

Solution Manager Submits Wrong Password to Certify

Worksoft is working with SAP to discover why Solution Manager sometimes submits a wrong password to Certify. If this occurs, you are able to workaround this problem by adding an entry to the Certify configuration file.

▶ To workaround Solution Manager submitting wrong password:

- **1** Before you enable detailed logging, you must shut down Certify and all SAP GUI sessions.
- 2 Use the Windows Task Manager to verify that the **wsecattwrapper.exe** process is not running. If this process is running, turn it off.
- **3** Locate the Certify configuration file that is located in the following directory:

C:\Program Files (x86)\Worksoft\Certify\Client\Worksoft.Certify.exe.config

- 4 Open the **Worksoft.Certify.exe.config** file in Notepad or another text editor.
- 5 In the configuration file, scroll down to the **<appSettings>** section.
- **6** Just beneath the <appSettings> tag, copy and paste the following line into the configuration file:

```
<add key="EcattDebugRFCUser" value="ecatt_et_usr" /> <add key="EcattDebugRFCPassword" value="ecatt_et" />
```

Example:

<appSettings>

```
<add key="EcattDebugRFCUser" value="ecatt_et_usr" />
```

```
<add key="EcattDebugRFCPassword" value="ecatt_et" />
```

7 Save the updated configuration file.

Certify will now override the values for the user name and password provided by Solution Manager, and it will use the values from the configuration file.

Enabling Certify Detailed Logging

To help you troubleshoot the integration, you may want to enable detailed logging.

• To enable Certify detailed logging:

- **1** Before you enable detailed logging, you must shut down Certify and all SAP GUI sessions.
- 2 Use the Windows Task Manager to verify that the **wsecattwrapper.exe** process is not running. If this process is running, turn it off.
- **3** Locate the Certify configuration file that is located in the following directory:

C:\Program Files (x86)\Worksoft\Certify\Client\Worksoft.Certify.exe.config

- 4 Open the Worksoft.Certify.exe.config file in Notepad or another text editor.
- 5 In the configuration file, scroll down to the **<appSettings>** section.

6 Just beneath the <appSettings> tag, copy and paste the following line into the configuration file:

```
<add key="VerboseEcattLogging" value="True" />
Example:
<appSettings>
<add key="VerboseEcattLogging" value="True" />
Save the updated configuration file.
```

Log files will now contain more detailed information.

Testing Connectivity

7

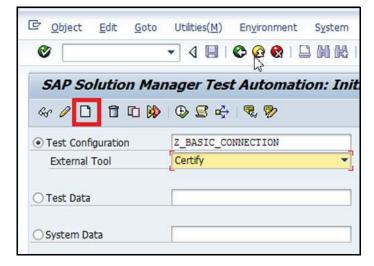
To test your connectivity, create a new test configuration and a corresponding Certify process. Do not use an existing test configuration.

For example, create a new test configuration from transaction codes STCE or SOLAR02.

Transaction STCE

If you run transaction STCE, you will need to:

- Provide a test configuration name
- Select Certify as the external tool
- Click the **Create** button.



If Certify does not appear as an option in the External Tool drop-down list, then Certify is not properly registered as a third-party test tool.

For the next step, go to "Creating a Test Configuration" on page 40.

Transaction SOLAR02

If you run transaction SOLAR02 you will need to:

- Select a node from the business process hierarchy on the left.
- Click the **Test Cases** tab in the right pane.
- Enter data into an empty row in the table.
- Select Certify Test Configuration from the Test Case Type drop-down list.
- Type in a test case name in the Test Name field.
- Click the Create button.

♥ ▼ 4 🖬 © 0 0	■ I B M H I B B B B B I B						
Project: TEST - Change - Configu	ration						
🎾 ቄ 🚥							
7. .	System Role		Development System				
Configuration Structure	Business Process		Create Sales Order				
* 🗀 Test	Structure Gen, Docume	ntation Prot. I	Documentation Admi	istration	Transactions Configura	tion Development	Test Cases Service Mi
 Configuration 							
Organizational Units Organizational Units Master Data Business Scenarios		8.00	12 : 1 2 :	. 22			
Master Data Business Scenarios Order To Cash	Test Case Type	Source Co		Variant	Test Case Name	Target Com Test Object	ct Test Object Typ
Master Data Business Scenarios Order To Cash Organizational Units		Source Co		Variant		Target Com Test Objec	ct Test Object Typ
Master Data Business Scenarios Organizational Units Master Data	Test Case Type	Source Co	Test Case	Variant	Test Case Name	Target Com Test Objec	ct Test Object Typ
Master Data Business Scenarios Order To Cash Organizational Units Master Data Waster Data Uprocesses	Test Case Type Certify Test Configure	Source Co	Test Case Z_VA01_CREATE_ORDE	Variant	Test Case Name <name found="" not=""></name>	Target Com Test Objec	ct Test Object Typ
Master Data Musiness Scenarios Order To Cash Organizational Units Master Data	Test Case Type Certify Test Configure. Certify Test Configure.	Source Co	Test Case Z_VA01_CREATE_ORDEI Z_END_TO_END_ORDER	Variant	Test Case Name <name found="" not=""> <name found="" not=""></name></name>	Target Com Test Objec	ct Test Object Typ
Master Data Busness Scenarios Busness Creanios Order To Cash Organizational Units Master Data Greate Sales Order Greate Sales Order	Test Case Type Certify Test Configure Certify Test Configure Certify Test Configure.	Source Co	Test Case Z_VA01_CREATE_ORDER Z_END_TO_END_ORDER Z_VA01_DMK_CREATE_	Variant	Test Case Name <name found="" not=""> <name found="" not=""></name></name>	Target Com Test Objec	ct Test Object Typ

If Certify Test Configuration does not appear as an option in the Test Case Type drop-down list, then Certify is not properly registered as a third-party tool.

Creating a Test Configuration

After you click the **Create** button from either STCE or SOLAR02, the Create Test Configuration screen appears.

Ø	
Create Test Co	nfiguration: Z_BASIC_CONNECTION
निः External Test 🛛 🏾 🧍	🤊 哈 🕼 🕼 🕄 🤄 🕂 🕂 🗮 🗆
Test Configuration	Z_BASIC_CONNECTION
Fitle	
SAP Solution Manager	Project: TEST -> Role: Development System
Configuration V	ariants Test Data External Test Attributes
	ariants Test Data External Test Attributes
General Data	
General Data	Extras Restrictions
General Data Header Data Title	Extras Restrictions
General Data Header Data Title External Tool	Extras Restrictions

To create a test configuration:

- **1** In the Title field in the General Data tab, type in a title name.
- **2** In the Application Component field, type in an application component.
- 3 Click the **Save** button.

The Create Object Directory Entry dialog box appears.

Object R3TR ECAT Z	BASIC_CONNECTION	
Attributes		1
Package		
Person Responsible	BSMITH	L
Original System	<u>G71</u>	
Original language		
Created On		
	📙 Local Object 🤽 Lock Overview 🗵	×

- 4 Click the **Local Object** button twice to save the test assets.
- 5 In the Change Test Configuration screen, click the **External Test** button to launch Certify.

<u>■</u> Test Configuration	Edit <u>G</u> oto Utilities(<u>M</u>) En <u>v</u> ironment S <u>v</u> stem <u>H</u> elp
Ø	🔹 🔍 🕄 (公 公) 🔛 (約) 💭 (2) (2) (2) (2) (2) (2) (2) (2) (2) (2)
Change Test Co	Configuration: Z_BASIC_CONNECTION
🕄 External Test	🎾 🖻 🕼 🕼 🕄 🔁 🤄 🖧 差 💷
Test Configuration	Z_BASIC_CONNECTION
Title	Z_BASIC_CONNECTION
CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR	Project: TEST -> Role: Development System
SAP Solution Manager	and here a second processing of a second second

After clicking the External Test button, the User Entries for External Tool dialog box may appear.

User Name for External Tool	admin
Password for External Tool	****
Project Name in External Tool	IntegratedSAP

- **6** If Certify is registered as a third-party test tool that requires a password, then you will need to provide the following information.
 - Certify user name
 - Certify password
 - Project name where the process will be generated
- 7 Click Continue:

Certify Process and Data Editor opens.

- 8 Click the **Steps** tab.
- **9** Create a Comment step.
- **10** After you have completed creating your step, select **SAP** > **Save and Return to SAP** from the Certify Process and Data Editor menu.

The Process and Data Editor closes, and the SAP Create Object Directory Entry screen appears with populated information if everything is set up correctly.

Appendix C Lights-Out Testing

Setting Up Lights-Out Testing

If you want the capability to execute and automate Certify integrated tests at scheduled times with minimal supervision, then additional configuration is needed.

Registering Worksoft Certify as a Third-Party Tool

When you register Certify as a third-party test tool, you will need to disable the password.

In the Customizing Table for External Test Tools screen, select the **W/o Password** option to disable the password challenge.

Cinange Vie	w "Customizing Table for External Test Tools": Details
🤣 New Entries	
Tool name	WORKSOFT CERTIFY
Customizing Table	for External Test Tools
COM Program ID	WSECATTWRAPPER.ECATTINTERFACE.1
Tool Desc.	WORKSOFT CERTIFY
Maintain DB	NONE
TestExecutionDB	NONE
W/o Password	
☑W/o Database	
✓ Transfer Log	
✓ Supp. BPCA Tra	ce

Creating a Certify Project

The Certify project name for lights-out testing should be **IntegratedSAP**. You may need to create this specific project in Certify or update the name of an existing Certify project. For information on creating a project or editing a project, see the *Worksoft Certify Online Help*.

If you already have a Certify project or decide to use a project that is not named IntegratedSAP, then additional configuration is required in Certify.

You must be a Certify administrator in order to make this update.

• To configure a Certify project for lights-out testing:

- 1 Launch Worksoft Certify.
- 2 From the Certify menu, select **Tools > Change Global Configuration**.
- **3** In the DefaultSolmanProject field, highlight the field and type in the name of the Certify project that you want to use in Solution Manager integration.

If you intend to use IntegratedSAP as your project name, select the **Default** value.

4 Click **OK** to save your configuration.

Updating ECATTUser in Certify

When conducting lights-out testing, the ECATTUser that you created in Certify must have **ECATTUser** as its password.