

User Guide

Worksoft Certify_® Integration with SAP_® Solution Manager

Worksoft Certify Integration with SAP Solution Manager User Guide

Version 7.2

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Patent

Worksoft Certify® U.S. Patent No. 7,600,220

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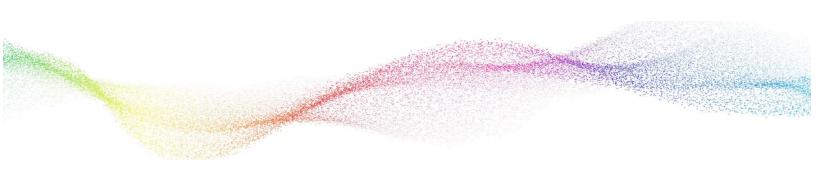
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Chapter 1 Overview

In This Chapter

Understanding Worksoft Certify and SAP Solution Manager Integration

By integrating Worksoft Certify® with SAP® Solution Manager v7.2, you are able to create, edit, execute, and view the results of the Certify processes from within SAP Solution Manager.

You will be able to leverage SAP Solution Manager and Certify 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 and a central point of project governance.

Test Results

If you integrate Solution Manager with Certify, then test results are returned to both Certify and SAP Solution Manager. You are able to view these results in Solution Manager and store them in a single repository. By saving them in a repository, you ensure that the business requirements have been met.

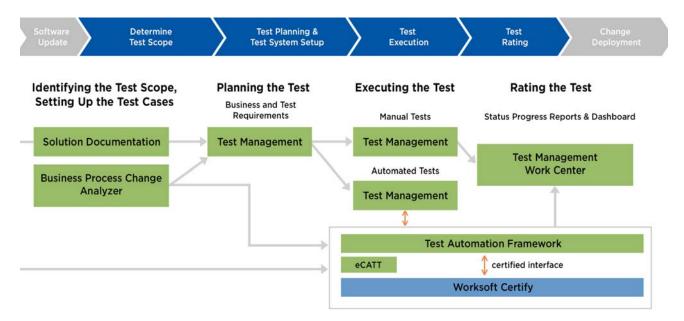
Within Solution Manager, you are able to open a PDF file that contains test results and screen captures. This file can be archived for long-term storage for purposes of audits and compliance.

Certify and Solution Manager Integration

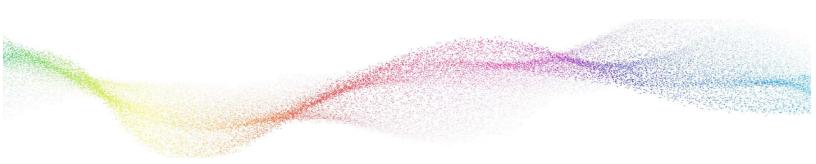
Certify test processes are linked to test configurations and test scripts in Solution Manager. From Solution Manager, you can:

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

Test configurations are defined in Solution Manager, and these configurations point to an internal test script and the associated Certify process.



To integrate Certify with SAP Solution Manager, you must have a basic understanding of Solution Manager, and Solution Manager business processes must already have been created. 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

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Overview

After you have configured your SAP Solution Manager v7.2 and Worksoft Certify, you will now create a test configuration in SAP Solution Manager that will link to test processes in Certify. When you create the test configuration, an internal test script that links Certify to the Solution Manager is automatically created.

This procedure assumes that you have already created the following items in Solution Manager:

- Business processes
- Scenario and process
- Executable
- Test profile

Creating a Test Configuration in SAP Solution Manager

Before you link your Worksoft Certify processes to the Solution Manager script, Certify must be pointing to the database that contains the specified Solution Manager project. Also, you will need access to the Solution Manager project in Worksoft Certify.

IntegratedSAP is the default value for the Solution Manager project. A Certify administrator adds this value when configuring Certify for integration. If your organization used a different project name, you will need the name when creating your test configuration. For more information, see the *Worksoft Certify Integration with SAP Solution Manager Installation Guide*.

To create a test configuration:

- **1** Log on to SAP Solution Manager.
- 2 Type in the transaction code sm_workcenter in the Command field.

The SAP Solution Manager Workcenter opens.

SAP Solution M	anager Configurat T	est Suite								
SAP Solution	Manager Configura	tion								
Configuration All Scenarios	Installation and Upgrade Guides SAP Solution Manager	Configuration Wiki SAP Solution Manager	Release Notes SAP Solution Manager	Basic Configuration Mandatory Configur	Configuration Analytics and Dashb					
0	0	¥ \$	Ē	ø	ø					
Test Suite	Test Suite									
Test Suite Overview	Test Suite Test Preparation	Partner Test Management	My Tasks TBOM Worklist	Business Process Change Analyzer	Scope and Effort Analyzer Upgrade Planning	Test Pl Manage				
88	e	4	Ê	S.	E.	14				
My Tasks Tester Worklist	Test Execution	Test Execution	Test Repository Test Configurations	Test Repository Test Scripts	Test Suite Analytics	Configu Test Suit				
Ê	G	a	5	5	.	0				

3 In the Test Suite section, click **Test Suite > Test Preparation**.

The Test Preparation page appears.

			Test	Preparation		
						<i>₽</i> , , (
Solution Name:	Wor	ksoftSolution		×		
TBOMs and Test 0	ases	Test Cases Assignment	Test Cases			P
Solution/Branc	h	Technic	al Name	Solution Documentation	Туре	
 WorksoftSo 	lution	WORKS	OFTSOLUTION		Solution	
	n	Producti	on	Open	Production Branch	
Mainte	nance	MAINTE	NANCE	Open	Maintenance Branch	
Development		DEVELO	OPMENT	Open	Standard Branch	

- **4** From the Solution Name field, select your solution.
- **5** Click **Open** next to a branch in which you want to add the test configuration.

The Branch page opens.

			WorksoftSolution - M	faintenance	
Browser	List Search Result	Where Used List Report	ng		
\$	Solution > Business Processes > W	S Sandbox > Businesses > Order Scen	rie		
	Nita WS Master Data	Businesses	Folder	CertifyProcessStep	
	WS Organizational Unit		Citer Citer Stellard		
	WS Sandbox				
	WS Scenario				
<			_		>
Elements	of 'Order Scenario'				
Name			Туре	Group	
< CERT	TIFY >		Program <exec.ref.></exec.ref.>	Executables	
< VA01	×		Transaction <exec.ref.></exec.ref.>	Executables	
Sample	Fiori App		Fiori Application <exec.ref.></exec.ref.>	Executables	
			Test Configuration	Test Cases	
Test config for documentation			Test Configuration	Test Cases	
	JJM_10_18				

6 Select a scenario or a process.

7 Right-click in the Elements section and select **New > Test Cases > Test Configuration (Create)**.

Ĵ	Elements of 'Order	Scenario'						
1	Name		4	а Туре				
	< CERTIFY >		Program <exec.ref.></exec.ref.>					
	< VA01 >		Transaction <exec.ref.></exec.ref.>					
	Sample Fiori App				Fiori Application <exec.ref.></exec.ref.>			
	Test config for	New >	Configuration	>	Test Configuration			
	Z_WS_JJM_10	Hide Quick Help	Developments Documentation End User Roles Executables	>	Test Configuration (Assign)			
	Z_WS_JJM_DI			>	Test Configuration (Create)			
		More Field Help		>	Test Document (From Template) Test Document (Upload)			
		Technical Help		>				
			Test Cases	>	Test Document (Assign)			
		Delete input history for user JMATHEW						

The new Test Configuration dialog box opens.

* Solution:	WorksoftSolution			
* Test Configuration:				
* Test Tool:	10	\sim		
* Test Script		ő	1	
* Version:	00000001			
* Title:				
* Package:		n.	Local Object	1

- 8 In the Test Configuration field, type in a name that starts with the letter **Z**.
- 9 From the Test Tool drop-down list, select **Worksoft Certify**.
- **10** In the Test Script field, select or type in a name for a new script.
- **11** In the Version field, assign a version or use the default value.
- **12** In the Title field, type in a title name which is a description for the test configuration.
- **13** Click **Local Object** or select a package.
- **14** Click **OK**.

The Maintain External Element dialog box appears.

		Maintair	n External Elem	nent				
		WORKSOFT CERTIFY Test Conf	iguration: ZCREA	TESALESORDER -	ZCREATESA	LESORDER		
Display Save Refrict	Launch Worksoft Certify	Cute Display Log _ Assign Executable	Assign Script	Assign Package	Where-Used	Goto _ Clos	WorksoftSolution	
Attributes	Parameters Test Data S	earch Terms Administrative Data						
Test Configuration Attri	ibutes Test Script Attributes	Test Tool Attributes						
General Data				Other				
* Title:	Create Sales Order				Status	Active \sim		
* Package:	\$TMP	Temporary Objects (never transported!)			Release Status:	s: Not released		V
Application Component:	ő				Time Required	0	00 Minutes	
Person Responsible:	JMATHEW D Joy Mathew	Ē			Priority.	Medium N		
System Under Tes	t			Technic	al Data			
Logical Component Group Executable Type Executable Executable Description					Data Container rget Component Target System		OLUTION	

15 Click **Assign Executable**.

The Assign Executable dialog box appears.

Search (Criteria	
	nponent Group:	۵ ۲
Search	Clear Entries	

16 Click the **Logical Component Group** or **Executable Type** button to select a group or type.

17 Click Search.

The Results List appears.

Search Criteria		
Logical Component Group:	ZERP	ū
Executable Type:		D
Executable:		
Search Clear Entries		
Search Clear Entries		
L		
L	up Executable Type	Executable
Results List	up Executable Type Fiori Application <exec.orig.></exec.orig.>	Executable #Sample Fiori Object-Sample Fiori Action

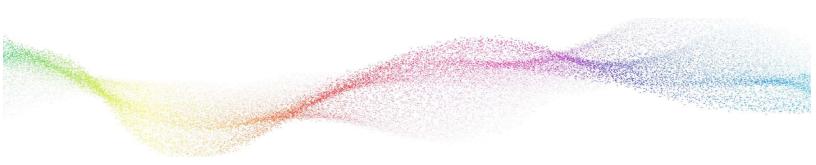
18 Select an executable from the Results list.

The Maintain External Element dialog box appears with the System Under Test information displayed.

		Maintair	External Elem	ent					
		WORKSOFT CERTIFY Test Conf	iguration: ZCREA	TESALESORDER	R - ZCREATESA	ESORDER	ર		
The data was saved - Disp	kay Help								
Display Save Refresh	Launch Worksoft Certify	Display Log _ Assign Executable	Assign Script	Assign Package	Where-Used	Goto "	Close	WorksoftSolution	Maintenance @ Quality A
Attributes	Parameters Test Data	Search Terms Administrative Data							
Test Configuration Attribut	es Test Script Attributes	Test Tool Attributes							
General Data				Other					
* Title:	Create Sales Order				Status	Active	×		
* Package:	\$TMP	Temporary Objects (never transported!)			Release Status	Not releas	ed		\sim
Application Component	<others></others>				Time Required		0.00	Minutes	
Person Responsible:	JMATHEW Di Jojy Math	ew			Priority	Medium	~		
System Under Test				Techr	nical Data				
	Transaction <exec.orig.></exec.orig.>				em Data Container. Target Component	ZERP	FTSOLU	ITION	
Executable Executable Description:					Target System				
Additional Test Option	ons								
Test Profile:	WS_MAINT_QAS_TEST								

- **19** In the Additional Test Options section, select a test profile.
- 20 Click Save.

Your test configuration is now complete.



Chapter 3

Creating Certify Processes Through Solution Manager

In This Chapter

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Creating Certify Processes

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** From the Test Configuration screen in SAP Solution Manager, click the **Launch Worksoft Certify** button.

		Maintain Exte	mal Element					
		WORKSOFT CERTIFY Test Confli	guration: ZCREA	TESALESORDER - ZCREATESA	LESORDER	R		
Display Save Refresh	Launch Worksoft Certify	Display Log _ Assign Executable	Assign Script	Assign Package Where-Used	Goto 🖌	Close	WorksoftSolution	Maintenance §
Attributes	Parameters Test Data	Search Terms Administrative Data						
Test Configuration Attri	butes Test Script Attributes	Test Tool Attributes						
General Data				Other				
General Data	Create Sales Order			Other Status	Active	×		
	Create Sales Order \$TMP	Temporary Objects (never transported!)						~
* Title:		Temporary Objects (never transported!)		Status	Not release	sed	Minutes	×
* Title: * Package:	\$TMP			Status: Release Status:	Not release	sed	Minutes	×
* Title: * Package: Application Component:	\$TMP			Status Release Status Time Required	Not release	sed 0.00	Minutes	×
* Title: * Package: Application Component: * Person Responsible:	STMP			Status: Release Status: Time Required. Priority:	Not releas	sed 0.00 ~		×
* Title: * Package: Application Component: * Person Responsible: System Under Tess Logical Component Group	STMP			Status Release Status Time Required Priority Technical Data	Not release Medium ZWORKSC ZERP	sed 0.00 ~		~

2 Click **Open** when your browser asks to open the external tool.

	0		-	· · · · · ·	1.1
Do you want to open or save ags_work_appln.sap (783 bytes) from solman.worksoft.com?	Open	Save		Cancel	1 ×

The User Entries for the External Tool dialog box appears. Sometimes this dialog box is hidden behind other windows.

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

3 In order to log on to Certify, 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

4 Click the **Continue** button.

The Certify Process and Data Editor opens.

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

The Process and Data Editor closes, and the Test Configuration screen in Solution Manager reappears.

7 Click **Refresh**.

You are now ready to execute your process in Solution Manager. For more information, see Chapter 4 "Executing Certify Processes from Solution Manager"

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 From the SAP menu, select **SAP** > **Save to SAP (Initially**).

C Edit Process - LT03_CreateTransferC				– 🗆 ×
File Edit View Action Tools S4	and the second se	1		
LT03_CreateTransferOrder SAP Core 1.0 SAP Main	Load Test Script Save and Return to SAP Save and Continue	م Steps 🔛 Recordset	2 Attributes	
Generation 1.0 (SAPML) Generation 1.0 (SAPML) Generation 1.0 SAP Main	Save to SAP (Initially) Return to SAP Promote Script	7der	Layout: None RecordSet Name:	
Production Planning and Control	Password Maintenance		None	* X
SAP Core 1.0 SAP Main	Edit Certify Parameters		RecordSet Mode: None	-
	Show Test Script Details Show RFC Parameters		Development Status: Owner: Development Team: Folder Name: Human Resources/2. Master Content/2.5 Project Name: Human Resources	
			Execution Flow Rules: Execution Flow Rule	
	(F)		4	

The Save Test Script dialog box appears.

	Save Test Script
Test Script Info	ormation
Test Script: Version:	
Connection Inf	formation
Username:	
AS Host:	
Client:	
System Numbe	r:
Language:	
	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.

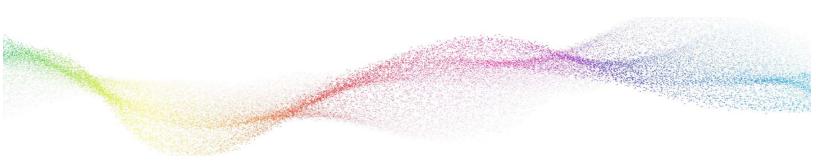
 Password: AS Host: Client: System Number:	Username			
AS Host: Client:	L	20		
Client:	Password:			
	AS Host:			
System Number:	Client:			
	System Nu	imber:		
Language:	Language	1		

- **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 to Solution Manager.



Chapter 4

Executing Certify Processes from Solution Manager

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Executing Certify Processes from Solution Manager

By integrating Certify with Solution Manager, you are able to execute your Certify processes from Solution Manager and review detailed results. Solution Manager has the following three modes in which to run your Certify processes:

Mode Option	Description
Normal	Process executes without interruption from the user, and the Certify Result View opens with the results. This option is like Unmanaged mode when running the process in Certify.
Debug Mode	Debug a process during execution. When Certify Configuration dialog box opens, select Managed mode to step through process execution.
	For more information, see "To execute your test configuration in the Debug mode:" on page 23.
With User Interface of External Tool	View the Certify UI during the test execution.
	For more information, see "To execute your test configuration in the With User Interface of External Tool mode:" on page 24.

This chapter will illustrate how to run processes in each of these modes.

• To execute your test configuration in the Normal mode:

1 From the Test Configuration screen in the Solution Manager, click the **Execute** button.

			Maintain External Element		
		WORKSOFT CERTIFY Test Config	uration: Z_WS_JJM_DEMO_10_01 - Z_WS_LINDA	_01_SCRIPT	
Display Save Refresh	Launch Worksoft Certify	cute Display Log] Assign Executable	Assign Script _ Assign Package Where-Used _	Goto _ Close WorksoftSolutio	n 🦳 Maintenance 👹 🖉 Quality Assurance System
Attributes	Parameters Test Data Se	arch Terms Administrative Data			
Test Configuration Attri	butes Test Script Attributes	Test Tool Attributes			
General Data			Other		
* Title:	Z_WS_JJM_DEMO_10_01		Status:	Active 🗸	
* Package:		Temporary Objects (never transported!)	Release Status:	Not released	v
Application Component:	ō		Time Required:	0.00 Minutes	
Person Responsible:	JMATHEW Jojy Mathew		Priority:	Medium V	
System Under Test	t		Technical Data		
Logical Component Group: Executable Type: Executable: Executable: Executable:	Transaction <exec.orig> VA01</exec.orig>		System Data Container: Target Component: Target System:		

2 Click **Open** when your browser asks to open the external tool.

Do you want to open or save ags_work_appin.sap (783 bytes) from solman.worksoft.com?	Open	Save	-	Cancel	×
		1	and an owned as		48. S.S.

The Start Options Test Configuration screen opens.

est Configuration	Z_WS_JJM_DEMO_10_01 Z_WS_JJM_DEMO_10_01			
est Tool	Worksoft Certify			
General Variar	nts UI Control Cov. Measurement			
Execution				
Error Behavior	5 No Termination, Continue with Next Script Command			
Execution Control				
SAP Solution Manage	ar Context			
Solution	WorksoftSolution			
Branch	Maintenance 👻			
Site	· · · · · · · · · · · · · · · · · · ·			
System Role	Quality Assurance System			
System Data				
System Data	ZWORKSOFISOLUTION Generated a system data container for SLAN 'WORKSOFISOLUTION'			
Target System	ZERP			
Log				
NO. COLONY				

3 Click the **UI Control** tab.

est Configuration	ZCREATESAL	ESORDER	Create Sales Order	
est Tool	Worksoft Ce	ertify		
General Variant	uI Control	Cov. Measurement		
Mode for External Too	ol 🚺	N Normal	T	
Delete Execution DB	1	N Normal		
User Name		D Debug Mode A With User Interface of		
Password	1	The over incentice of		
✓ Transfer Log				

4 From the Mode for External Tool drop-down list, select **Normal**.

5 Click the **Execute** white button.

When execution begins, a Certify icon appears in your taskbar. Execution may take some time to complete.

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

C Result Viewer			-	×
File Actions Reports				
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1				
Process Results	Results			
Z_WS_LINDA_01_SCRIPT -	Process Title	Start Time End Time Status		
	Z_WS_LINDA_01_ Z_WS_LINDA_01_SCRIPT - 3/23/2017	3/23/2017 12:1 3/23/2017 12:1 😭 passed		
	4			
	😪 Details 🗠 Attributes 🐁 Solman Context 🤗	2 Import Export Parameters		
	Header Details			10.1
	Title:	Total Steps: 1		
	Z_WS_UNDA_01_SCRIPT - 3/23/2017 12:15:59 PM			
	Status: passed	Passed:		
	100			
	Process:	Failed: 0		Π.
	Z_WS_UNDA_01_SCRIPT			
	Process Count: 1	Skipped:		
	Line Conservers	0		
	Layout:	Aborted: 0		10
				1000

To execute your test configuration in the Debug mode:

- **1** Complete Steps 1 through 4 from the To execute your test configuration in the Normal mode:procedure.
- 2 In the UI Control tab, select **Debug Mode** from the Mode for External Tool drop-down list.
- 3 Click the **Execute** whether button.

The Certify Configuration dialog box opens.

ocess:	7 MIS LINI	DA_01_SCRIPT					
itle:	Z_WS_LIN	DA_01_SCRIPT - 3/20/2017 5:	18:34 PM				
ttings At	ttributes						
Run Set	ttinas			Data			
	ZANI DAN MANA						
Stop	p/Pause On Failu			Layout:	[none]		•••
	Run Mode:		•	Recordset:	[none]		*
	Step Delay:	0.000 🚖 seconds		Recordset Mode:	[none]		*
	g Settings			Application Versi	on Startup Data		
	g Settings Log Step Mode:	LogAllSteps	•		on Startup Data ns Already In Context:	General States and S	
			•				
Сар	Log Step Mode: oture Screen On:		× 			2	
Cap Screer	Log Step Mode: oture Screen On:	CaptureNone CaptureDeskTop	¥ ¥				
Cap Screer	Log Step Mode: oture Screen On: n Capture Mode:	CaptureNone CaptureDeskTop	• •				
Cap Screer (Log Step Mode: oture Screen On: n Capture Mode: Output Location:	CaptureNone CaptureDeskTop	* *				

- 4 Configure your process execution. For more information, see the *Worksoft Certify Online Help*.
- 5 Click **Start** to begin your process execution.

The Certify Execution dialog box opens.

C Exec						102507		×
		1000		n 2 I				^
TA Run	<u>- ጊ Step</u> - ቢ	Skip - Stop	o Capture	Pause				
Steps V	ariables Recordset B	reakpoint						
Step #	Log Status	Object Name	Action	Narrative				7
▶ 1		Execution	Comment	"Comment"				
							_	+
Process	Z_WS_LINDA_01_SCRI	PT			Step Count	V 0	× 0	Λ • <i>/</i>

- 6 At the top of the Execution dialog box, click the **Step** button to begin process execution.
- 7 Continue to click the **Step** button for each process step.
- **8** After all the process steps are executed, the Certify Result Viewer appears with the results.

To execute your test configuration in the With User Interface of External Tool mode:

- **1** Complete Steps 1 through 4 from the To execute your test configuration in the Normal mode:procedure.
- 2 In the UI Control tab, select **With User Interface of External Tool** from the Mode for External Tool drop-down list.
- 3 Click the **Execute** 🚱 button.

The Certify Execution dialog box appears and runs the test.

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

Viewing Test Results in Solution Manager

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

To view test results in Solution Manager:

From the Test Configuration Screen in Solution Manager, select **Display Log > Solution Manager Log**.

			Maintain External Element			□ >
		WORKSOFT CERTIFY Test Config	puration: Z_WS_LINDA_01_CONFIG - Z_V	WS_LINDA_01_SCR	IPT	
Display Save Refresh Attributes Test Configuration Attribut	Parameters Test Data Se	ecute Display Log Assign Executable aarch Test Tool Log Solution Manager Log Test T	Assign Script	re-Used (Goto)	Close WorksoftSolu	tion 👘 Maintenance 👹 🖌 Cuality Assurance System
General Data			Other			
* Title:	Z_WS_LINDA_01_CONFIG			Status: Active	×	
* Package:	\$TMP	Temporary Objects (never transported?)	Rei	ease Status: Not relea	ased	~
Application Component:	5		Tirr	ne Required:	0.00 Minutes	
Person Responsible:	JMATHEW 🔂 Jojy Mathew	5		Priority: Medium	V	
System Under Test			Technical I	Data		
Logical Component Group: Executable Type: Executable Executable Description:	Transaction <exec.orig.> VA01</exec.orig.>		Target	a Container: ZWORKS Component: ZERP rget System: PSA:001	OFTSOLUTION	
Additional Test Optic	ons					
Test Profile:	WS_MAINT_QAS_TEST					

The Display Execution Log screen appears.

Close Execution Status							Related
Statistics Not Executed: 0 Success: 1 Not Ended: 0 Enror: 0 Precondition not Met: 0	_ 0				E Nie Gooded B OK Her Tanke B Fersonikan fu	et Maa	
Executed Test Script View: [Standard View]	Print Version Re-Execute						
Status	Top Level Test Script	Test Configuration	Variant	Target System	Tool Name	Duration	Log
	Z_WS_LINDA_01_SCRIPT	Z_WS_LINDA_01_CONFIG	ECATTDEFAULT	PSA()	Worksoft Centily	8.983	000000056 0000001
	WS_LINDA_91_SCRIPT INDA_91_CONFIG Text Soript Z_VIG_LINDA_J Infant ECATTOEFAULT Variant Execution Overview	51_CONFIG Version 1					
Туре	Text	RFC (Object Number		Script Line Number		

Viewing eCATT Logs

eCATT logs are generated when a test script or test configuration is executed.

To view eCATT logs:

1 From the Display Execution Log screen, select **Related Links > eCATT Log** on the upper right of the screen.

tle Test Configuration Z_WS	LINDA_01_CONFIG - AGS_WORK_	LAUNCHER System PSA(001)	User JMATHEW Start Date	e 03/20/2017 Start Time 17	7:34:17 Duration 00:00:10	Scheduled No		
Close							phaneters and	d Links,
execution Status							eCAT	TT Log
Statistics Not Executed: 0 Success: 1 Not Ended: 0 Error: 0 Precondition not Mat: 0						Not Eve OK Not Fire Error Precord		
xecuted Test Scripts View: [Standard View]	Print Version Re-Execute							2
Status	Top Level Test Script	Test Configuration	Variant	Target System	Tool Name	Duration	Log	
	Z_WS_LINDA_01_SCRIPT	Z_WS_LINDA_01_CONFIG	ECATTDEFAULT	PSA0	Worksoft Certify	8.983	000000058 00000001	2
etails of Test Script Z_V	WS_LINDA_01_SCRIPT	_UNDA_01_CONFIG Version	1					

2 Click **Open** when your browser asks to open the external tool.

The Log Display screen appears.

	play - Autom	
5 A -	2 Expand Levels	🔺 Expand Error 🔡 🐑 🖳 🙀
1 00000	00056 Test Conf	iguration Z_WS_LINDA_01_CONFIG - AGS_WORK_LAUNCHER [W/o Interruption] [10 s]
		ojy Mathew) E 740 SOLMAN Windows NI MSSQL 03/20/2017 17:34:17
• i Ter	st Caller	
	art Options XML	
• 😽 Z_1	NS_LINDA_01_CON	FIG [9.676] Z_WS_LINDA_01_CONFIG
		ZWORKSOFTSOLUTION->ZERP->ABIFNMDZMAPNNJ5JOFBGUOVAYM->NONE (PSA 001 JMATHEW E 740 SOIMAN WINdows NT M55QL SOIMAN_PSA_00)
		g -> XML-DATA-05
• 🛐	System Data	ZWORKSOFTSOLUTION
• 🗖	Z WS LINDA 01	SCRIPT Version 1 [8.983] ECATIDEFAULT Z_WS_LINDA_01_CONFIG
•	M IMPORT	ECATTDEFAULT
	MAIN_SCRIPT	
1.	EXT_SCRIPT	
	 Z_WS_LIN 	DA_01_SCRIPT VERSION 1 EXECUTED WITH WORKSOFT CERIIFY XML-DATA-01
	D EXPORT	ECATIDEFAULT

Viewing Test Package Results

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

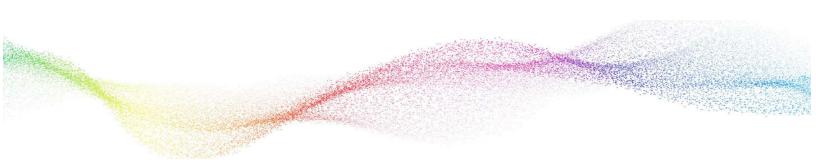
Viewing Test Results in Certify

From the Test Configuration Screen in Solution Manager, select **Display Log > Test Tool Log**.

- 5					Maintain E	ternal Element						
		wor	RKSOFT CE	RTIFY Test Co	figuration: Z_W	/S_LINDA_01_CONF	1G - Z_WS_LIND	A_01_SCR	RIPT			
1	Launch Worksoft Certify Parameters Test Data tes Test Script Attribute	Search 1	Display Log _ Test Tool Log Solution Mana	Data	Assign Sori	ot 🖌 Assign Package	Where-Used	Goto	Ciose	WorksoftSolutio	n Main	tenance 😭 Quality Assurance System
General Data						Othe	r					
* Title:	Z_WS_LINDA_01_CONFIG						Statu	Active	×			
* Package:			rary Objects (n	ever transported?			Release Statu	Not relea	ased		\sim	
Application Component:		C1					Time Required	£:	0.00	Minutes		
 Person Responsible: 	JMATHEW 🗍 Jojy M	athew					Priority	r: Medium	×			
System Under Test						Tech	inical Data					
Logical Component Group: Executable Type: Executable: Executable Description:	Transaction <exec.orig> VA01</exec.orig>					Sy	stem Data Containe Target Componen Target System	E ZERP	SOFTSOLI	JTION		
Additional Test Opti	ons											
Test Profile:	WS_MAINT_QAS_TEST	19										

The Certify Results Viewer opens.

C Result Viewer						X
File Actions Reports						
1 日 1 日 1 日 1 日 1 日 1 日 1 日 1 日 1 日 1 日						
C Process Results	Results					
Carlinda_01_SCRIPT -	Process	Title	Start Time End Ti	me Status		
	Z_WS_LINDA_01_	Z_WS_LINDA_01_SCRIPT - 3/20/2017	3/20/2017 4:34: 3/20/2	017 4:34: 😭 passed	 	
	- 4.					_
	🕅 Details 🔮	Attributes 🛛 🏠 Solman Context 🥈	🚡 Import Export Paramete	15		
	Law restrict the second			_		
	Header Details					100
	Title:		Total Steps:			
	Z_WS_LINDA_01	SCRIPT - 3/20/2017 4:34:15 PM	1			
	Status:		Passed:			
	passed		1			
	Process:		Failed:			
	Z_WS_LINDA_01	_SCRIPT	0			
	Process Count:		Skipped:			
	1		0			
	Layout:		Aborted:			
	Layout		Aborted:			-
< Ш >						-
Z WS LINDA 01 SCRIPT - 3/20/2	017 4:34:15 PM					



Chapter 5 Continuous Testing

In This Chapter

Setting Up Continuous Testing

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

To set up continuous testing, you need to do the following tasks:

- Disable the user name and password prompt.
- Create a Certify project.
- Update ECATTUSER in Certify.

Registering Worksoft Certify as a Third-Party Tool

If your machine prompts for a user name and password, then it is not possible to use Certify in a continuous test.

When you register Certify as a third-party test tool in Solution Manager, 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.

Image: Second	Change Vie	w "Customizing Table for External Test Tools": Details
Customizing Table for External Test Tools COM Program ID WSECATTWRAPPER.ECATTINTERFACE.1 Tool Desc. Worksoft Certify Maintain DB NONE Tst DB Ext Tool NONE V/W/o Password V/W/o Database	6 New Entries	
COM Program ID WSECATTWRAPPER.ECATTINTERFACE.1 Tool Desc. Worksoft Certify Maintain DB NONE Tst DB Ext Tool NONE Image: Image	Tool Name	WORKSOFT CERTIFY
Tool Desc. Worksoft Certify Maintain DB NONE Tst DB Ext Tool NONE Iv/o Password Iv/o Database	Customizing Table	for External Test Tools
Maintain DB NONE Tst DB Ext Tool NONE W/o Password W/o Database	COM Program ID	WSECATTWRAPPER.ECATTINTERFACE.1
Tst DB Ext Tool NONE	Tool Desc.	Worksoft Certify
✓W/o Password ✓W/o Database	Maintain DB	NONE
✓ W/o Database	Tst DB Ext Tool	NONE
	W/o Password	
☑ Transfer Log of External Test Tool	✓ W/o Database	
	✓ Transfer Log of	External Test Tool
☑ Supp. BPCA Trace	Supp. BPCA Tra	ce

Creating a Certify 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*.

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 continuous testing:

- **1** Launch Worksoft Certify.
- 2 From the Certify menu, select **Configure > Certify > Certify Global**.
- **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 continuous testing, the ECATTUser that you created in Certify must have **ECATTUser** as its password.

Chapter 6

Certify Menu Options and System Actions Supporting Integration

In This Chapter

Solution Manager Menu Options in Certify	32
Using Certify System Class Solman Actions	34
Maintaining Passwords with the Logon SDC Action	36
Creating a Technical Bill of Materials Process	37

Solution Manager Menu Options in Certify

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 many menu options 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
SAP > 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
SAP > 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. For more information, see Chapter 3 "Creating Certify Processes Through 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. For more information, see Chapter 3 "Creating Certify Processes Through Solution Manager"

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.
Promote Script	Use with the Multiple SolMan Configuration feature.
	Support test script versioning feature of Solution Manager by auto-detecting a new version of a test script from Solution Manager and creating a corresponding new Certify process.
Logon Default System	Set the default SAP logon information that will be used with the Logon SDC action. You will enter the user name, password, and SAP system. For more information, see "Logon SDC Action" on page 35.
	This menu option is enabled if the Process and Data Editor is launched from Solution Manager.
Logon Selected System	Enter an SAP system login information that will be used with the Logon SDC action. You will enter the user name, password, and SAP system. For more information, see "Logon SDC Action" on page 35.
	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.
Edit Certify Parameters	Create a list of parameters that are exchanged between eCATT and Worksoft Certify. For more information, see Chapter 7 "Exchanging Complex Data with eCATT"
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 Chapter 7 "Exchanging Complex Data with eCATT"
	This menu option is enabled if the Process and Data Editor is launched from Solution Manager.
Map SAP Parameters	Map structured parameters to Certify layouts and variables. For more information, see Chapter 7 "Exchanging Complex Data with eCATT"
	This menu option is enabled if the Process and Data Editor is launched from Solution Manager.

Option	Description
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.
Show SMT Context	Show the Service Mapping Tool (SMT) object. This menu option is enabled if the Process and Data Editor is launched from Solution Manager.

Using Certify System Class Solman Actions

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:

- Set Returned PDF
- TBOM Trace
- Logon SDC

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.

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 "Creating a Technical Bill of Materials Process" on page 37.

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 36. 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 can 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 can 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.

Creating a Technical Bill of Materials Process

Before you create a Technical Bill of Materials (TBOM) process, you will need to do the following tasks in Solution Manager:

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

In Solution Manager v7.1, you selected test configurations in SAP Solution Manager before creating a TBOM process. The Certify process was called from a test configuration that has a system data container assigned to it. Using transaction code **solar02**, test configurations were selected in the Attributes Maintenance dialog box (TBOM tab) from the Transactions tab.

With Solution Manager v7.2, right-click on an executable in your Branch page and select **Assign for TBOM Generation** to assign test configurations.

2		前 Delete	
		🔀 Move '< VA01 >'	
<		Element Changes	>
Î	Eleme	Subtree Changes	> ,
6	Name	[Copy '< VA01 >'	
	< CERTI	6-∂ Display	
	< VA01 >	🧪 Change	
	Create S	Execute	
	Sample F	[™] o Change Target	
	Test cont	Assign for TBOM Generation	
	Test doc	<u>0</u> Display Link	
	WSConfi	Create TBOM Work Items	
	Z_WS_J		-[]

The Assign Test Configuration page opens.

Test config for documentation Z_WS_JJM_903_DOC_CON Test documenttation Z_WS_JJM_10_DEMO_CON Z_WS_JJM_10_18 Z_WS_JJM_10_18 Z_WS_JJM_DEMO_10_01 Z_WS_JJM_DEMO_10_01 Create Sales Order ZCREATESALESORDER		Usage	Testcase ID	Name	TBOM
Z_WS_JJM_10_18 Z_WS_JJM_10_18 Z_WS_JJM_DEMO_10_01 Z_WS_JJM_DEMO_10_01			Z_WS_JJM_903_DOC_CON	Test config for documentation	
Z_WS_JJM_DEMO_10_01 Z_WS_JJM_DEMO_10_01			Z_WS_JJM_10_DEMO_CON	Test documenttation	
			Z_WS_JJM_10_18	Z_WS_JJM_10_18	-
Create Sales Order ZCREATESALESORDER			Z_WS_JJM_DEMO_10_01	Z_WS_JJM_DEMO_10_01	\checkmark
			ZCREATESALESORDER	Create Sales Order	
	OK Canc				

Using the Certify TBOM Trace Action

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.

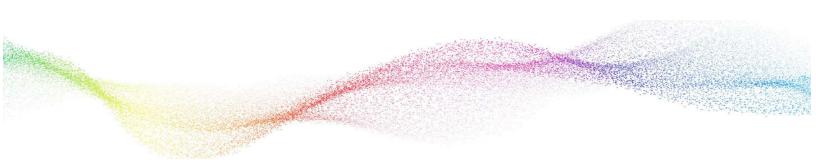
If Solution Manager indicates that tracing is turned off, the step with this action will always pass. If Solution Manager indicates that tracing is turned on, the step with this action will try to turn on tracing in the selected back end system identified in the system data container.

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.	

Parameter	Description
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 7 Exchanging Complex Data with eCATT

In This Chapter

Overview	41
Editing Certify Parameters	41
Selecting Asset Names	43

Overview

The following SAP menu options in the Certify Process and Data Editor 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

The **Edit Certify Parameters** option in the Certify Process and Data Editor allows you to exchange complex data between Worksoft Certify and eCATT. When you select this option, the Certify Parameters dialog box appears.

Certify Parameters						×
Selected Parameters:						
Name 🐨	DirectionType	T Default Value	Description	77	ype	
4						E.
Add Parameter	Remove	Parameter				
Candidates:						
Refresh Candidates	Make	Parameter				

Selected Parameters Pane

The Selected Parameters pane displays the parameters exchanged between eCATT and Worksoft Certify. You can 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.

Editing SAP Parameters

The **Edit SAP Parameters** option only appears in the SAP menu if you open Certify from Solution Manager. When you select this option, Certify closes 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.

Mapping SAP Parameters

The **Map SAP Parameters** option only appears in the SAP menu if you open Certify from Solution Manager. When you select this option, 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	Displays the SAP name of the complex item.	

Column	Description			
Asset Name	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	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	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

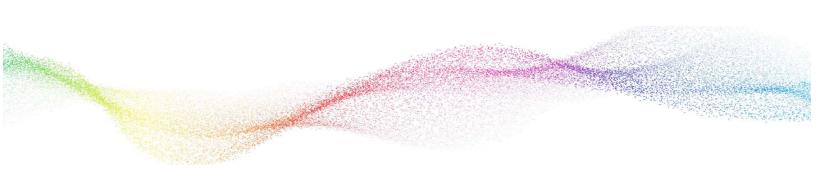
When you select this option, the dialog box opens.

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 the variables in the layout so that you can map to an SAP table.



Appendix A Error Messages

User Authentication Error Messages

Certify will not authenticate the user against the Certify database:

🔄 User Entries for External Tool	
User Name for External Tool	
Password for External Tool	*****
Project Name in External Tool	
	Scancel Continue

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

Project Validation Error Messages

Certify will not validate the project:

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

Process Validation Error Messages

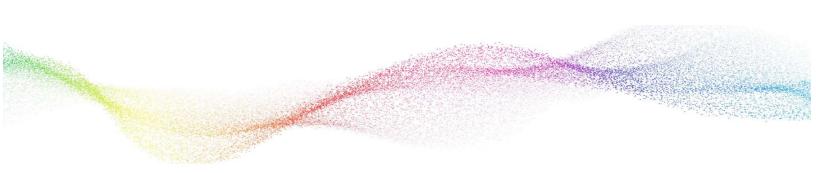
Certify will not validate the process:

- If the process is found in a different project, then Certify displays 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 returns 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, then Certify displays the error message, "Cannot connect to eCATT using RFC," and Certify returns a code indicating an RFC error.
- If there is any other error, then Certify returns a code indicating unknown error.

Process Execution Error Messages

Certify will display error codes:

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

SAP	x
Name or password	is incorrect (repeat logon)
	OK

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 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 Passwords

To prevent password problems, do not change the password for the ecatt_et_usr user in Solution Manager. If you need to change the password, it is best that you delete the ecatt_et_usr user and recreate the ecatt_et_usr again.

If you are still having problems, add an entry to the Certify configuration file to override the values of the Solution Manager user name and password as a workaround.

• To add an entry to the Certify configuration file:

- **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 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="correct password" />

Example:

```
<appSettings>
```

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

<add key="EcattDebugRFCPassword" value="correct password" />

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" />

7 Save the updated configuration file.

Log files will now contain more detailed information.

Testing Connectivity

To test your connectivity, create a new test configuration and a corresponding Certify process. Do not use an existing test configuration. For information on creating a new test configuration, see Chapter 2 "Creating a Test Configuration in Solution Manager"