IBM WebSphere Process Server 6.2 - Lab exercise

Cross-component trace lab

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What this exercise is about

The objective of this lab is to provide you with an understanding of the IBM WebSphere Process Server new feature called Cross-Component Trace. In this lab you will deploy the WebSphere Integration Developer sample Loan Application. Then WebSphere Integration Developer test environment will be enabled to use cross-component trace. The trace and log files produced from cross-component trace will be used to correlate the SCA components interaction as it executes.

This lab is provided **AS-IS**, with no formal IBM support.

Lab requirements

List of system and software required for the student to complete the lab.

- WebSphere Integration Developer version 6.2
- The Test Client must be installed in WebSphere Integration Developer.

What you should be able to do

At the end of this lab you should be able to:

- Configure WebSphere Test Environment or Process Server to enable Cross Component trace.
- Interpret the information from the trace.

Introduction

Cross-component tracing allows you to identify trace.log data that is associated with WebSphere Process Server and WebSphere Enterprise Service Bus modules and components. The trace.log data can include error and event information, such as corrupted data or runtime exceptions, captured during Service Component Architecture (SCA) processing. The input and output data passing between WebSphere Process Server or WebSphere Enterprise Service Bus components can also be captured and used for problem determination using WebSphere Integration Developer.

Part 1: Cross-component trace features

Cross component trace (XCT) provides the following features:

- XCT maps Systemout.log and Trace.log records back to the SCA programming model.
- Supports all SCA call patterns:
 - Async one way
 - ► Sync
 - ► Async with call back
 - ► Async with defered response
- Works with BOs or simple data types as parameters.
- Supports Network Deployments
 - ► Load files from each server
 - ► May load only some of the files from all the servers
- Supports BPEL Micro flows (short running, asnync)
- Can use WebSphere Integration Developer test client trace from log record data

Cross component trace options provide you with the following:

- Enable:
 - Captures the SCA call chain for all SCA calling types.
 - Call chains start when there is an SCA call.
 - Call chains do not include non-SCA bindings such as JMS, HTTP, Web services. The call chains will continue for work done after those imports are called.
 - Log records not included in an SCA call chain are grouped into default chains and can still be displayed.
- Enable with data capture:
 - Same as Enable, but SCA input, output, and failure data is captured as well.
 - ► Captured data is saved in the Logs\xct directory as serialized XML of the SCA Message.
 - Removal of the captured data is up to you when it is no longer needed.
 - Captured data can be displayed in the WebSphere Integration Developer test client and used to rerun all or parts of the call chain.
- The Disable and Delete options are describe in the WebSphere Process Server 6.2 information center.

 XCT analyzes local or remote logs. XCT defaults to server console of the running WebSphere Test Environment (WTE). WebSphere Process Server and optionally WebSphere Enterprise Service Bus servers come as default WTEs.

🔠 Server Logs 🛛 梯 Servers			<u></u>	静 🔹 👘 🗌	÷ E	i 🕆 👎
t localhost 🔀 C:\IBM\\server1\SystemOut.log			⊂:\I	BM\\server1\Sy	stemOu	t.log
v6.2 at Ic WebSphere Process Server v6.2 at localhost			Load	from Server Con	sole	۱.
intents (Page 1 of 1)			Load	from Server Log	Director	y 🕨
Time	Thread ID	Cor	Load	from File		
10, 2008 10:49:23,781 000000cb			Load	1110111116		

• There are several different filters that allow you specified views of the data.



• The information is refreshed at assorted rates. The default is for the view to be updated every five seconds.



• The tool are has expand/collapse and page up/down buttons to navigate large traces. Note: Remember to use the up and down arrow buttons to flip pages.

|--|

• To sort the log entries click the table headings inside the Server Log View or use the icon in red below and chose Sort by Column.



• The XCT find feature will search all content, even content hidden in the log entry properties.



 To access log entry properties, either double click any entry in the Server Log view or right click any entry in the Server Log View and chose Properties. The properties for that event are shown. A new feature in 6.2 is the "raw" option. The XCT tag will be present in the raw data if the entry was generated by Cross-Component Trace.

🚯 Propertie	25	×
\varTheta Start in	voke (LoanApprovalProcess:ApplyOnline)	
Time:	Nov 10, 2008 10:49:23.781	
Thread ID:	000000сь	
Contents:	Translated C Raw	
	Start of the asynchronous nvocation of operation LoanApprovalProcess:ApplyOnline in module LoanApplicationModule.	×
	1	*
0		ОК



• The bottom of the XCT screen is a status bar. The status bar shows refresh rate, server status, and if cross-component trace is enabled

Refresh rate: 5 seconds	Server started	Cross-component trace enabled

• By selecting a check box next to an event you are interested in further testing, you can create a replay scenario in the Test Client.

😚 Build Activities 💷 Properties 🔝 Problems 🕅 Server Logs 🕱 🖓 Servers 👔 🔹 🔹 🗄						
WebSphere Process Server v6.2 at localhost 🕱 C:\IBM\\server1\SystemOut.log						
Console: WebSphere Process Server v6.2 at localhost						
Show All Record Types (Hierarchical) > wit	h All Contents (Page 1 of 1)					
Туре	▲ Time	Thread ID	Contents			
😑 🔽 🛬 Invocation sequence (LoanApp	or Nov 10, 2008 10:49:23.781	00000сь				
📃 🖂 😔 Start invoke (LoanApprova	IF Nov 10, 2008 10:49:23.781	00000cb	Start of the asynchronous invocation of operation LoanApprovalProcess:ApplyOnline			
📃 🖂 😔 Start component (Loar	A Nov 10, 2008 10:49:23.859	000008d	Start of the component processing of operation LoanApprovalProcess:ApplyOnline in			
🔽 🗐 Log message	Nov 10, 2008 10:49:23.875	0000008d	CWTKE0044I: Originator becomes administrator of task LoanApprovalProcess.			
🖌 🔛 🔛 In business proces	s Nov 10, 2008 10:49:25.765	0000008d	Processing business process LoanApprovalProcess:_PI:9003011d.8717cf13.7f19573			
🔽 🖃 Log message	Nov 10, 2008 10:49:25.765	0000008d	CWTKE0044I: Originator becomes administrator of task LoanApprovalProcess\$Recei			
📃 🖂 🖂 Start business prod	te Nov 10, 2008 10:49:26.718	000008c	Start of processing for business process LoanApprovalProcess:_PI:9003011d.8717cf			
🗏 🖂 🖂 🖂 🖃 Start invoke (A	u Nov 10, 2008 10:49:26.734	000008c	Start of the invocation of operation AutoApprovalRules:AutoApprovalRequest in mo			
📕 🔛 Start comp	or Nov 10, 2008 10:49:26.750	000008c	Start of the component processing of operation AutoApprovalRules:AutoApprovalRe			
📕 😡 End compo	n Nov 10, 2008 10:49:26.750	000008c	End of the component processing of operation AutoApprovalRules:AutoApprovalReq			
📕 😡 End invoke (Au	ite Nov 10, 2008 10:49:26.750	000008c	End of the invocation of operation AutoApprovalRules:AutoApprovalRequest in mod			
📕 😡 😡 End business proce	es Nov 10, 2008 10:49:26.750	0000008c	End of processing for business process LoanApprovalProcess:_PI:9003011d.8717cf1			
📃 🖂 😔 Start business prod	ce Nov 10, 2008 10:49:26.781	0000008d	Start of processing for business process LoanApprovalProcess:_PI:9003011d.8717cf			
🖌 🖂 🕞 Log message	Nov 10, 2008 10:49:26.812	0000008d	07e8a3dd-ddab-4640-be64-54345fc78d94 BEGIN 73e1075e-a6b6-49ca-8bab-fb560			
🔽 🗐 Log message	Nov 10, 2008 10:49:26.828	0000008d	07e8a3dd-ddab-4640-be64-54345fc78d94 END 73e1075e-a6b6-49ca-8bab-fb5606b			
🛛 😡 😡 End business proce	es Nov 10, 2008 10:49:27.750	0000008d	End of processing for business process LoanApprovalProcess:_PI:9003011d.8717cf1			
📗 🔽 😔 End component (LoanA	Ap Nov 10, 2008 10:49:26.671	0000008d	End of the component processing of operation LoanApprovalProcess:ApplyOnline in			
📕 🔛 🕒 End invoke (LoanApprovali	Pr Nov 10, 2008 10:49:23.843	00000cb	End of the asynchronous invocation of operation LoanApprovalProcess:ApplyOnline i			
📗 🗹 🥯 Start result retrieval (Loan	A Nov 10, 2008 10:49:23.859	00000090	Start of the result retrieval of operation LoanApprovalProcess:ApplyOnline in module			
📗 🛛 🔛 End result retrieval (LoanA	p Nov 10, 2008 10:49:27.812	00000090	End of the result retrieval of operation LoanApprovalProcess:ApplyOnline in module			

Once you click you will see the Server Log View populate the Test Client (or ITC – Integrated Test Client) with the selected scenario to make it re-runnable:

😢 LoanApplicationModule - Assembly Diagram 🛛 🔲 LoanApplicationModule_Test 🙁	
Events	
Events	General Properties
🎥 - 🚍 - 🖨 🌦 🕑 🔳 🔛	 Detailed Properties
K Invoke (LoanApprovalProcess:ApplyOnline) Knvoke (LoanApprovalProcess:ApplyOnline) Invoke (LoanApprovalProcess:ApplyOnline) Request (<unknown>> AutoApprovalRules:AutoApprovalRequest) Response (<uknown>> AutoApprovalRules:AutoApprovalRequest)</uknown></unknown>	Module: LoanApplicationModule Component: LoanApprovalProcess Interface: LoanApprovalProcessInterface Operation: ApplyOnline
Return (LoanApprovalProcess:ApplyOnline)	Return parameters:
Invoke returned	
Events Configurations	
😚 Build Activities 🔲 Properties 🔝 Problems 🖗 Servers 🔞 Server Logs 🕱	1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -
Welcome WebSphere Process Server v6.2 at localhost 🔀	
Console: WebSphere Process Server v6.2 at localhost	
Show Invocation Types $>$ with only Server State, Error and Warning Contents (Page 1 of 1)	
Туре	▲ Time Thread ID Conte
Image: Second sequence (LoanApprovalProcess:ApplyOnline) Image: Second sequence (LoanApprovalProcess:ApplyOnline)	Nov 10, 2008 12:09:58.625 0000007a Nov 10, 2008 12:09:58.625 0000007a Start ç

Part 2: Preparation for cross-component trace lab

- Start WebSphere Integration Developer with a new workspace to hold the work you will do in this lab.
 - ____a. Select Start > All Programs > IBM WebSphere Integration Developer > IBM WebSphere Integration Developer V6.2 > WebSphere Integration Developer V6.2
 - __ b. From the Workspace Launcher window, enter C:\Labfiles62\WID\XCT\workspace for the Workspace field

🌐 Workspace Launcher		×	
Select a workspace			
IBM WebSphere Integration Developer 6.2 stores your projects in a folder called a workspace. Choose a workspace folder to use for this session.			
Workspace: C:\Labfiles62\WID\XCT\workspace	•	Browse	
Use this as the default and do not ask again			
ок		Cancel	

____2. Click Samples and Tutorials



____a. Click Loan Import.



Loan Application

Use a business process, a human task and business rules to request a loan and get notified about the results of your request. Then deploy the application to WebSphere Process Server and run it.

Import View Instructions

NOTE: If you are un-familiar wilt the Loan Application Sample explore View Instructions

____ b. You will be prompted to import only Starter artifacts or Complete artifacts. Select Complete artifacts and click OK.

🚯 Sample Import		X
Sample Import		
There are some import choices for sample 'Loan Application'		
Select what you would like to import		
C Starter artifacts		
Complete artifacts		
Description:		
All the artifacts of the completed sample.		A
		~
0	ОК	Cancel

____ c. The sample will start to load:

Progress Information	
Importing sample 'Loan Application'	
/CustomerUI/WebContent/Login.jsp	
	Cancel

_____ d. You can close or minimize the Loan Application Web Page that opens while the application is loading.

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C:(LBM(SDPSnareo(plugins(com.ibm.wbic.sample.loa	
🙀 🎶 🄏 WebSphere Integration Developer Samples	() + () + () Page + ()
WebSphere. Integration Developer	
Loan Application	
Introduction Overview Build it yourself 1 Build it yourself 2	Build it yourself 3 Test Import PDF
Next >	
Sample: Loan Application	
This application sample demonstrates how to build an integ from a Web page.	jrated loan application, using a top-down approach, that is acces
In the sample, you will learn how to complete the following	tasks:
Creating an integration module	
 Creating business objects Creating component interfaces 	
 Creating business rules 	
	Anna Anna an ann an ann an ann an an an an an
 Creating a business process that invokes human tas Generating interfaces for human tasks 	sks rule group components
 Creating a business process that invokes human tas Generating interfaces for human tasks Error on page. 	sks rule group components
 Creating a business process that invokes human ta: Generating interfaces for human tasks Error on page. 	sks rule group components
 Creating a business process that invokes human ta: Generating interfaces for human tasks Error on page. 	sks rule group components
Creating a business process that invokes human ta: Generating interfaces for human tasks Error on page. Click the white X on the Welcome View tal	sks rule group components My Computer Welcome S to close the Welcome parts
Creating a business process that invokes human ta: Generating interfaces for human tasks Error on page. Click the white X on the Welcome View tal	sks rule group components

_ 4. Samples and Tutorial page.

Part 3: Enable cross-component trace

___ 5. Start the built-in WebSphere Process Server by clicking on 🔽 in the Servers View. The Server Logs view will take focus by default.

	🗞 Build Activities 🔲 Properties 🔝 P	roblems 🔞 Server Logs 👫 Servers 🛽	3	🌣 🔘 🖉 📕
l	Server 🔺	State	Status	
I	🔣 WebSphere Process Server v6.2	👗 Starting.	Synchronized	
I				

____a. Once the server is started, select the Servers View again and right click the WebSphere Process Server.

Note: If you try this step before the server starts, you will be prompted to wait until the server is started. The publish will happen automatically once the server is started:



__ b. Select Add and Remove Projects ...

New	+
Open	F3
Show In	Alt+Shift+W 🕨
📄 Сору	Ctrl+C
Paste	⊂trl+∀
💢 Delete	Delete
Rename	F2
🐝 Restart in Debug	Ctrl+Alt+D
🜔 Restart	Ctrl+Alt+R
Restart in Profile	
📕 Stop	Ctrl+Alt+S
🗐 Publish	Ctrl+Alt+P
Clean	
C Add and Remove Projects	
Monitoring	•
Create tables and data sources	
Reconnect debug process	
😤 View and publish the changes to the server	
Manage server profiles	
Server configuration	+
Universal test client	+
Administration	+
Launch	+
Properties	Alt+Enter

___ c. Click Add All

👍 Add and Remove Projects	5	
Add and Remove Project Modify the projects that are co	ts nfigured on the server	
Move projects to the right to co	nfigure them on the server	
Available projects:		Configured projects:
	Add >	CustomerUIEAR LoanApplicationModuleAp, ⊡…
	< Remove	
	Add All >>	
	<< Remove All	
$\overline{\mathbf{V}}$ If server is started, publish (changes immediately	
0	<back next=""></back>	Finish Cancel

___ d. Click Finish

n Adding or Removing Projects	×
The projects are being added or removed from the server.	
Do not show again	
	OK

___e. Click OK

____f. Wait for publishing to complete. Server status will read "Synchronized".

😚 Build Activities 🔲 Properties 🔝 Problems 🔞 Server Logs 👭 Servers 😣				
Server 🔺	State	Status		
🗉 🛅 WebSphere Process Server v6.2	🚡 Started	Publishing		

_____6. Enable Cross-Component Trace by first switching over to the Server Logs view (shown below).

🗞 Build Activities 💷 Properties 🔝 Problems 👔 Server Logs 🛛 🦑 Servers 🏭 🕫 🎼 🖛 👘 👘 👘 🖓 🔸 🛃 😓 🐻 🔽					~ - 8	
Welcome WebSphere Process Server	v6.2 at localhost 🛛	• 0	Disabled	Cross-Component Trace Stat	:e 🕨	
Console: WebSphere Process Se	erver v6.2 at localhost		nabled inabled with Data Snapshot	Find	Ctrl+F	
Show All Record Types (Hierarchical) > with	only Server State and Error Contents (Page	2 of 2)		Sort Column By	•	
Туре	🔺 Time	Thread ID	Contents	Show Welcome Page	[
E Log message	Nov 7, 2008 11:34:07 906	0000000	WSVR02211: Application starts	Show we see the tage		



- ____a. Access Cross Component Trace by clicking the white triangle icon in the toolbar
- ____b. Then click Enabled in the menu

Part 4: Testing the loan application

1. In the Business Integration View, click the + sign next to LoanApplicationModule and double click Assembly Diagram. This will open it up in the Assembly Editor.



2. Right Click LoanApprovalProcess in the Assembly Editor and choose Test Component at the bottom of the pop-up menu.

•	с нисодрргочаниеs
	Undo
Ĭ	Redo
•	
	Note Add Note
	Hide Notes
	Add
	Change Type 🕨
	Convert to Import
	Generate Export •
	Regenerate Implementation
	Select Implementation
	Open
	Synchronize Interfaces and References 🕨
	Refactor
	Merge Components
	of Cut
	📄 Сору
	Paste
	💢 Delete
	Rename
s 💽 Problems 🕅	Select All
State	Wire References to New
/er v6.2 🔂 Started	Wire to Existing
	Wire (Advanced)
	Show Transaction from Here
	Remove Transaction Highlighting
	Test Component in Isolation
	(Test Component)

_____ 3. Fill-in the test values for Scenario 1 (outlined below).

😵 LoanApplicationModule - Assembly Diagram 🛛 🔲 LoanApplicationModule_Test 🛛 🖉				
Events				
💧 Select the component, interface, and operation you would like to invoke. Click Continue	to run.			
Events	General Prop	perties		
🎥 • 🔲 • 📄 🐎 🔘 🔳 🔛	 Detailed Pro 	perties		
🖡 🖗 Invoke	Configuration:	Default Mod	lule Test	
	Module:	LoanApplica	tionModule	
	Component:	LoanApprov	alProcess	
	Interface:	LoanApprov	alProcessInterface	
	Operation:	ApplyOnline	!	
	4	-		
	Initial request pa	arameters		
	¥ 🖞 🗖			
	Na	ime	Туре	
	🗆 📇 App	olicationIn	LoanRequestBO	 Image: A set of the set of the
		ApplicantInfo	PersonalDataBO	 Image: A second s
		🚛 Name	string	✓
		💭 EmailAdd	string	✓
	L	💭 TaxPaye	string	✓
		LoanAmount	int	✓ 0
1				

____a. Double Click $\stackrel{\checkmark}{}$ to the right of Name and enter **Joe Smith**.

Ŗ	. 🖞 🛛 🕞 🕇 🗖		
	Name	Туре	Value
	😑 🏪 ApplicationInput	LoanRequestBO	✓
	😑 💾 ApplicantInfo	PersonalDataBO	×
	— 💭 Name	string	Joe Smith
	👘 🛄 EmailAdd	string	Press 'Alt+Enter' to add lines
	🛄 🛄 TaxPaye	string	~
	🦾 🛄 LoanAmount	int	✓ 0

____b. Then click out side out of the entry box.

Initia	Initial request parameters			
Ŗ	🛓 📄 🗖			
	Name	Туре	Value	
	🖃 🏪 ApplicationInput	LoanRequestBO	×	
	🚊 🖳 ApplicantInfo	PersonalDataBO	×	
	🖳 💭 Name	string	 Joe Smith… 	
	🖳 🛄 Email	string	✓	
	🛄 TaxPaye	string	×	
	🦾 🚛 LoanAmount	int	✓ 0	

- ____ c. Double Click $\stackrel{\checkmark}{=}$ to the right of Email and enter **JoeSmith@Acme.com**.
- ____ d. Then click out side out of the entry box.
- ____ e. Double Click $\stackrel{\checkmark}{=}$ to the right of TaxPrayerId and enter **123451**.
- ____f. Then click out side out of the entry box.
- ____ g. Double Click $\stackrel{\checkmark}{_}$ to the right of LoanAmount and enter **40000**.

Initial request parameters

Ŗ	. 🖞 📄 🗖		
	Name	Туре	Value
	😑 🖳 ApplicationInput	LoanRequestBO	×
	🚊 💾 ApplicantInf	PersonalDataBO	×
	🖳 💭 Name	string	 Joe Smith…
	🖳 🛄 EmailAdo	string	 JoeSmith@Acme.com
	🛄 🛄 TaxPaye	string	✓ 123451
	🦾 💭 LoanAmount	int	✓ 40000

_____4. Start the Testing.

Events	:s				
🎄 ▾ ☶ ▾ ᆮ ≱ 🔕 🔳 🔛	 Detailed Properties 				
∛ ► Invoke	Co	nfiguration:	Default Mo	dule Test	
	Mo	dule:	LoanApplic	ationModule	
	Co	mponent:	LoanAppro	valProcess	
	Int	erface:	LoanAppro	valProcessInterface	
	<u>Op</u>	eration:	ApplyOnlin	3	
	1				
	Init	ial request p	parameters		
	Ę	t E) 🗖		
		Na	ame	Туре	Value
		🖃 💾 Ap	plicationInput	LoanRequestBO	×
		<u> </u>	ApplicantInf	PersonalDataBO	✓
			- 🛄 Name	string	🗸 Joe Smith
		-	- 🛄 EmailAd	string	 JoeSmith@Acme.com
			- 🛄 TaxPaye	string	✓ 123451
		<u>L</u>	LoanAmoun	int	✓ 40000

____a. Press **Continue** button in test client editor.

🔂 Deployment Location	
Select Deployment Location Specify a runtime location where this test will deploy.	E
Deployment location:	
Image: Server v6.2 at localhost Mode: Run Image: Use this as the default and do not ask again	New Server
⑦	h Cancel

_ b. Click Finish.

🚯 User Login - Default Module Test 🛛 🛛 🔀
Security is enabled on the selected runtime environment(s). Sign in to continue the test. User ID:
admin
Password:
••••
\square Use the authentication settings in the preference and never ask again.
OK Cancel

- ____ c. Enter admin/admin (default security settings) and click OK.
- ____d. Given the test was for \$40,000, nothing greater that \$50,000, the response from the bank should be "Your application has been approved":



🗞 Build Activities 🔲 Properties 🔝 I	Problems 👭 Servers 膭 Server Logs 🛛		8g • ≱ • °a ⊞ ⊟ � + & • ∠ 🚮 ♡		
Welcome Web5phere Process Server v6.2 at localhost 12					
Console: WebSphere Process	Server v6.2 at localhost				
Chan All Decend Trace (Uiserschied) > -	with only Control Control Controls (Down	2-62)			
	with only server state, Error and warning contents (Page	32012)			
Type	▲ Time	Thread ID	Contents		
Log message	Nov 10, 2008 12:06:26:515	0000049	Develoment State Manager Manager Decorator loaded.		
Log message	Nov 10, 2008 12:06:26:515	0000049	Develoment State Manager Manager Decorator loaded.		
Log message	Nov 10, 2008 12:06:26:671	0000049	WSVRU2211: Application started: ManualApproverUIEAR		
Log message	Nov 10, 2008 12:06:26:671	0000049	WSVRUZUUI: Starting application: ManagementLJB		
Log message	Nov 10, 2008 12:06:27.015	0000004a	Develoment State Manager Manager Decorator loaded.		
Log message	Nov 10, 2008 12:06:27.015	0000004a	Develoment State Manager Manager Decorator loaded.		
Log message	Nov 10, 2008 12:06:27.140	00000049	WSVR02211: Application started: ManagementEJB		
Log message	Nov 10, 2008 12:06:27.156	00000049	WSVR0200I: Starting application: filetransferSecured		
🔲 📑 Log message	Nov 10, 2008 12:06:27.359	0000004a	WSVR02211: Application started: CustomerUIEAR		
🔲 📑 Log message	Nov 10, 2008 12:06:27.359	0000004a	WSVR0200I: Starting application: SchedulerCalendars		
🔲 🗐 Log message	Nov 10, 2008 12:06:27.453	00000049	WSVR02211: Application started: filetransferSecured		
🔲 🗐 Log message	Nov 10, 2008 12:06:27.468	00000049	WSVR02001: Starting application: BusinessCalendar		
🗖 🗐 Log message	Nov 10, 2008 12:06:27.687	0000004a	WSVR02211: Application started: SchedulerCalendars		
🔲 🗐 Log message	Nov 10, 2008 12:06:27.843	00000049	WSVR02211: Application started: BusinessCalendar		
🗖 🗐 Log message	Nov 10, 2008 12:06:28.140	0000004b	WSVR02001: Starting application: LoanApplicationModuleApp		
🗖 🗐 Log message	Nov 10, 2008 12:06:28.484	0000004b	WSVR02211: Application started: LoanApplicationModuleApp		
🗖 🗐 Log message	Nov 10, 2008 12:06:28.484	0000004a	WSVR02001: Starting application: TaskContainer_widNode_server1		
Log message	Nov 10, 2008 12:06:28.625	0000004a	Retrieving document at at 'C:\IBM\WID62\pf\wps\installedApps\widCell\TaskContainer_widNode_server		
□ I I I I I I I I I I I I I I I I I I I	Nov 10, 2008 12:06:28.625	0000004a	Retrieving document at at 'META-INF/wsdl/com/ibm/task/api/sca/'.		
□ □ Log message	Nov 10, 2008 12:06:28.984	0000004a	Retrieving document at at 'HTMIF.wsdl', relative to 'META-INF/wsdl/com/ibm/task/api/sca/'.		
Deg message	Nov 10, 2008 12:06:29.875	0000004a	Retrieving document at at 'file:/C:/IBM/WID62/pf/wps/config/cells/widCell/applications/TaskContainer w		
Deg message	Nov 10, 2008 12:06:29,890	0000004a	Retrieving document at at 'HTMIF.wsdl', relative to 'file;/C:/IBM/WID62/pf/wps/config/cells/widCell/appli-		
Deg message	Nov 10, 2008 12:06:29,968	0000004a	Attempting to resolve resolve imported file: file:/C:/IBM/WID62/pf/wps/config/cells/widCell/applications/		
Iog message	Nov 10, 2008 12:06:29.968	000004a	Attempting to resolve resolve imported file: file: (C: (TBM/WID62/nf/wns/config/cells/widCell/applications/		
□ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □	Nov 10, 2008 12:06:29,984	000004a	Attempting to resolve resolve imported file: file: (C: (IBM/WID62 of /wos/config/cells/widCell/applications))		
D D Log message	Nov 10, 2008 12:06:29.984	000004a	Attempting to resolve resolve imported file: file: (C: (IBM/WID62/of/wos/config/cells/widCell/applications/		
	Nov 10, 2008 12:06:33,187	0000004a	WSVR02211: Application started: TaskContainer, widNode, server1		
	Nov 10, 2008 12:06:38 312	0000000a	WSVD00011: Server cerver1 open for e-business		
Invocation sequence (Loan4	ApprovalProces Nov 10, 2008 12:09:58.625	0000007a			
🗄 🗖 🥯 Start invoke (LoanAppro	valProcess: An Nov 10, 2008 12:09:58.625	000007a	Start of the asynchronous invocation of operation LoanApprovalProcess: ApplyOpline in module LoanApp		
End invoke (LoanAppro	valProcess: App Nov 10, 2008 12:09:58 703	0000074	End of the asynchronous invocation of operation LoanApproval Process ApplyOnline in module LoanAppli		
Start result retrieval /Lo	anApprovalPro_Nov 10, 2008 12:10:00, 796	0000078	Start of the result retrieval of operation LoanApprovalProcess:ApplyOnline in module LoanApplic		
End result retrieval (Los	nAnnyorvalleroc Nov 10, 2008 12:10:00,790	0000078	End of the result retrieval of operation LoanApprovani ocess. Apply on the in module LoanApplicationMode		
	httpp://wainice.new.rey.2000.12.10.00.012	0000070	and or the result recreated or operation coal approval rocess. Appryoniline in module coal application in our		
Refresh rate: 5 seconds	Server starte	ed Cri	oss-component trace enabled		

____e. Maximize Server Logs View by double clicking on the Server Logs View tab.

_____f. Set Server Log view filter to Invocation Types > with All Contents.

	6 🔹	🍰 • 🔞 표 🖻 🔂 🕂	<≥
		• All Record Types (Hierarchical)	•
		All Record Types (Flattened)	►
with only Server S	itate and Error Contents	Invocation Types	•
with only Server S	itate, Error and Warning Contents	Invocation Start Types	
nre with All Contents		Invocation End Types	
)000049	Develoment State Manager Manager	Invocation Failure Types	
)000049	Develoment State Manager Manager	Exception Types	
)000049	WSVR02211: Application started: Man	FEDC Types	
1000049	WSVR02001: Starting application: Mar		

____g. Now expand the entry.

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Туре	▲ Time	Thread ID	Contents
💻 🗖 🛬 Invocation sequence (LoanApprovalProcess:ApplyOnline)	Nov 10, 2008 12:09:58.625	0000007a	
🗆 🗖 🥯 Start invoke (LoanApprovalProcess:ApplyOnline)	Nov 10, 2008 12:09:58.625	000 0007a	Start of the asynchronous invocation of operation LoanApprovalProcess:4
🖃 🔲 😔 Start component (LoanApprovalProcess:ApplyOnline)	Nov 10, 2008 12:09:58.703	000007c	Start of the component processing of operation LoanApprovalProcess:App
🖃 🗖 😔 Start business process (LoanApprovalProcess)	Nov 10, 2008 12:09:59.515	0000007c	Start of processing for business process LoanApprovalProcess:_PI:90030:
🗆 🔲 😔 Start invoke (AutoApprovalRules:AutoApprovalRequest)	Nov 10, 2008 12:09:59.578	000007c	Start of the invocation of operation AutoApprovalRules:AutoApprovalReg
Start component (AutoApprovalRules:AutoApprovalRequest)	Nov 10, 2008 12:09:59.578	000007c	Start of the component processing of operation AutoApprovalRules:AutoA
End component (AutoApprovalRules:AutoApprovalRequest)	Nov 10, 2008 12:09:59.578	000007c	End of the component processing of operation AutoApprovalRules:AutoAp
End invoke (AutoApprovalRules:AutoApprovalRequest)	Nov 10, 2008 12:09:59.578	000007c	End of the invocation of operation AutoApprovalRules:AutoApprovalRequ
End business process (LoanApprovalProcess)	Nov 10, 2008 12:09:59.593	0000007c	End of processing for business process LoanApprovalProcess: PI:900301:
Start business process (LoanApprovalProcess)	Nov 10, 2008 12:09:59.703	0000007c	Start of processing for business process LoanApprovalProcess:_PI:90030:
End business process (LoanApprovalProcess)	Nov 10, 2008 12:09:59.875	0000007c	End of processing for business process LoanApprovalProcess: PI:900301:
End component (LoanApprovalProcess:ApplyOnline)	Nov 10, 2008 12:09:59.468	0000007c	End of the component processing of operation LoanApprovalProcess:Appl
End invoke (LoanApprovalProcess:ApplyOnline)	Nov 10, 2008 12:09:58.703	0000007a	End of the asynchronous invocation of operation LoanApprovalProcess:Ap
Start result retrieval (LoanApprovalProcess:ApplyOnline)	Nov 10, 2008 12:10:00.796	00000078	Start of the result retrieval of operation LoanApprovalProcess:ApplyOnline
End result retrieval (LoanApprovalProcess:ApplyOnline)	Nov 10, 2008 12:10:00.812	00000078	End of the result retrieval of operation LoanApprovalProcess:ApplyOnline

- ____ h. In this view you can correlate Start and End of the call sequence. Notice XCT shows that the invoke was an asynchronous type. You can view this by double clicking the invoke even to see the properties.
- ____5. Fill-in the Test values Scenario 2.
 - ____a. Click the re-run button
 - _ b. Double Click $\stackrel{\checkmark}{}$ to the right of Name and enter **Joe Smith**.
 - ____ c. Then click out side out of the entry box.
 - ____ d. Double Click $\stackrel{\checkmark}{=}$ to the right of Email and enter **JoeSmith@Acme.com**.
 - ____e. Then click out side out of the entry box.
 - _ f. Double Click $\stackrel{\checkmark}{=}$ to the right of TaxPrayerId and enter **123451**.
 - ____g. Then click out side out of the entry box.
 - ____h. Double Click 🗹 to the right of LoanAmount and enter **50001**. Notice this is above 50,000 and will call the human task to verify the amount.



🔂 Deployment Location	
Select Deployment Location Specify a runtime location where this test will deploy.	E
Deployment location:	
WebSphere Process Server v6.2 at localhost Mode: Run Use this as the default and do not ask again	New Server
?	h Cancel

___ j. Click Finish.

____k. The partial results are:

Events	🕨 General Pro	perties			
🄈 • 🚍 • 🕒 🏇 🕖 🔳 🔛	🔻 Detailed Pro	operties			
E 🐩 Invoke (LoanApprovalProcess:ApplyOnline)	Configuration	Default Mod	ule Test		
🖃 🐕 Invoke started	<u>coningeration.</u>	Derdalemide			
Invoke (LoanApprovalProcess:ApplyOnline)	Module:	LoanApplica	tionModule		
🖃 👷 Fine-Grained Trace (LoanApprovalProcess:LoanApprovalProcess)	Component:	LoanApprov	alProcess		
Receive (ApplyOnline)	componenter	coannippron	aii 100000		
🚍 CopyInput	Interface:	LoanApprovalProcessInterface			
🥏 CheckAutoApproval (AutoApprovalRequest)	Operation:	AnnlyOnline			
🖃 🔷 AutoApprovalTest		rippi) oranio			
🚍 AssignToApprover					
🙌 Request (LoanApprovalProcess> AutoApprovalRules:AutoApprovalReques	Initial request parameters				
🗇 Response (LoanApprovalProcess < AutoApprovalRules:AutoApprovalReque					
🔎 Request (LoanApprovalProcess> ManualApprover:ManualApprovalRequest	+ X -				
	N	ame	Туре	Value	
	🗆 🖻 💾 Ap	plicationInput	LoanRequestBO	✓	
		ApplicantInfo	PersonalDataBO	✓	
		💷 Name	string	🖌 Joe Smith	
		💷 EmailAdd	string	✓ JoeSmith@Acme.com	
		💷 TaxPaye	string	✓ 123451	
	- I	LoanAmount	int	✓ 50001	

Note: The entire business process did not run (that is, no "invoke returned" at bottom of test client). You will need to open the Business Process Choreographer Explorer (BPC Explorer) in order to claim the human task that was created by the business process and therefore finish the business process.

6. Start The Business Process Choreographer Explorer

__a. In the Servers View, right click the WebSphere Process Server test server.



____b. Select on Launch -> Business Process Choreographer Explorer

аh	
	Welcome, please enter your information.
	The page you requested is only available to registered users. Enter your username and password and click Login.
	User Name: admin

___ c. Log-in. Default is admin/admin.

____ d. Show all of the human tasks available to your ID by clicking on All Tasks.

Business Process Choreographer Explorer						
Welcome admin Logout My Sub	stitutes Define Substitutes Defin	ne Views Customize Help Al				
Views Reports	All Tasks					
▼ Process Templates Process Templates	Use this page to work with task in:	stances for which you have access r				
▼ Process Instances 😭	Priority Task Name	State ⇔ Kind ⇔ Owner				
Started By Me Administered By Me Critical Processes Terminated Processes Failed Compensations	5 ManualApprover 5 Receive 5 Receive 5 Receive 5 Receive 5 Receive 5 Receive	ReadyTo-do TaskRunningInvocation TaskFinishedInvocation TaskFinishedInvocation TaskFinishedInvocation Task				
 ▼ Task Templates My Task Templates 	5 Receive 5 Receive	Finished Invocation Task Finished Invocation Task				
▼ Task Instances 😭 <u>My To-dos</u> <u>All Tasks</u> Initiated By Me Administered By Me My Escalations	Items found: 7 Items selected: 0	<< Pag				

____e. Click the Check Box on ManualApprover then Click the **Work on** button.

W	ork on Re	lease Transfer	Start	Change Priority	Change Bu	siness Categor	y Refresh	
	Priority 🗇	Task Name 🗘	State 🗘	Kind 🗘	Owner 🗘	Originator 🗇	Escalated \Diamond	Sus
•	5	ManualApprover	Ready	To-do Task		admin	no	no
	5	Deceive	Pupping	Invocation Task		admin	00	00

___ f. Click Complete button.

Complete Save Releas	e Cancel					
Task Name Task Input Message	ManualApprover Form View					
	ManualApprovalRequest LoanRequest ApplicantInfo Name Joe Smith					
				EmailAddress	JoeSmith@Acme.com	
				TaxPayerId	123451	
			LoanAmount	50001		
		Instruction	This loan reque	est requires mar	nual approval.	
Task Output Message	View Source					
rask odipat hossago	Form View					
	ManualApprovalResponse					
	Edit Source					

- ____ g. Go to the Server Logs view and maximize the view by double clicking on the tab.
- ____h. Now expand the entry.

Туре	▲ Time	Thread ID	Contents
🖃 🗖 🛬 Invocation sequence (LoanApprovalProcess:ApplyOnline)	Nov 10, 2008 12:44:48.375	0000007a	
🗆 🗖 😔 Start invoke (LoanApprovalProcess:ApplyOnline)	Nov 10, 2008 12:44:48.375	0000007a	Start of the asynchronous invocation of operation LoanAj
🖃 🗖 🥯 Start component (LoanApprovalProcess:ApplyOnline)	Nov 10, 2008 12:44:48.453	0000007c	Start of the component processing of operation LoanAppi
🗆 🗖 😔 Start business process (LoanApprovalProcess)	Nov 10, 2008 12:44:50.906	0000007c	Start of processing for business process LoanApprovalPrc
🗆 🗖 😔 Start invoke (AutoApprovalRules:AutoApprovalRequest)	Nov 10, 2008 12:44:51.031	0000007c	Start of the invocation of operation AutoApprovalRules:A
Start component (AutoApprovalRules:AutoApprovalRequest)	Nov 10, 2008 12:44:51.031	0000007c	Start of the component processing of operation AutoAppi
End component (AutoApprovalRules:AutoApprovalRequest)	Nov 10, 2008 12:44:51.031	0000007c	End of the component processing of operation AutoAppro
🔲 \ominus End invoke (AutoApprovalRules:AutoApprovalRequest)	Nov 10, 2008 12:44:51.031	0000007c	End of the invocation of operation AutoApprovalRules:Au
End business process (LoanApprovalProcess)	Nov 10, 2008 12:44:51.046	0000007c	End of processing for business process LoanApprovalProc
🗆 🗖 😔 Start business process (LoanApprovalProcess)	Nov 10, 2008 12:44:51.171	0000007c	Start of processing for business process LoanApprovalPrc
Description: Contemporary	Nov 10, 2008 12:44:51.203	0000007c	Start of the asynchronous invocation of operation Manua
Start component (ManualApprover:ManualApprovalRequest)	Nov 10, 2008 12:44:51.984	0000007c	Start of the component processing of operation ManualA;
End component (ManualApprover:ManualApprovalRequest)	Nov 10, 2008 12:44:55.531	0000007c	End of the component processing of operation ManualAp;
🔲 😡 End invoke (ManualApprover:ManualApprovalRequest)	Nov 10, 2008 12:44:51.218	0000007c	End of the asynchronous invocation of operation Manual/
End business process (LoanApprovalProcess)	Nov 10, 2008 12:44:51.281	0000007c	End of processing for business process LoanApprovalProc
Start business process (LoanApprovalProcess)	Nov 10, 2008 12:51:46.859	0000008c	Start of processing for business process LoanApprovalPrc
End business process (LoanApprovalProcess)	Nov 10, 2008 12:51:47.093	0000008c	End of processing for business process LoanApprovalProc
End component (LoanApprovalProcess:ApplyOnline)	Nov 10, 2008 12:44:50.781	0000007c	End of the component processing of operation LoanAppro
End invoke (LoanApprovalProcess:ApplyOnline)	Nov 10, 2008 12:44:48.437	0000007a	End of the asynchronous invocation of operation LoanApp
Start result retrieval (LoanApprovalProcess:ApplyOnline)	Nov 10, 2008 12:44:50.468	00000077	Start of the result retrieval of operation LoanApprovalPrc
Result retrieval failed (LoanApprovalProcess: ApplyOnline)	Nov 10, 2008 12:44:55.468	00000077	A failure occurred during the result retrieval of operation

Break in the log!

End callback (ManualApprover:ManualApprovalRequest)	Nov 10, 2008 12:51:46.843	0000007c	07e8a3dd-ddab-4640-be64-54345fc78d94
🔲 🔲 😔 Start callback (ManualApprover:ManualApprovalRequest)	Nov 10, 2008 12:51:44.765	000007c	07e8a3dd-ddab-4640-be64-54345fc78d94
End submit callback (ManualApprover:ManualApprovalRequest)	Nov 10, 2008 12:51:44.687	0000077	07e8a3dd-ddab-4640-be64-54345fc78d94
🔲 🔲 😔 Start submit callback (ManualApprover:ManualApprovalRequest)	Nov 10, 2008 12:51:44.671	0000077	07e8a3dd-ddab-4640-be64-54345fc78d94
End result retrieval (LoanApprovalProcess:ApplyOnline)	Nov 10, 2008 12:51:47.343	0000077	End of the result retrieval of operation Loa
Start result retrieval (LoanApprovalProcess:ApplyOnline)	Nov 10, 2008 12:51:47.296	0000077	Start of the result retrieval of operation Lo
Result retrieval failed (LoanApprovalProcess:ApplyOnline)	Nov 10, 2008 12:51:36.531	0000079	A failure occurred during the result retriev
🔲 🥣 prainingsain enigaa (noan Approvaim ocess, Appryoninie)	NOV 10, 2000 12/01/01/010	00000079	plane or the result retrieval or operation co

Note: The retrieval failed will occur until the Human Task is complete. The Human Task is completed in the prior step.

- ____i. Close the Business Process Choreographer Explorer.
- ____7. Fill-in the Test values Scenario 3.
 - ____a. First you need to break the Application so you can see an error. You are going to change the application, so first you are going to remove the project from the server.
 - ____b. Right click the server
 - ____ c. Select Add and Remove Projects ...

New	+
Open	F3
Show In	Alt+Shift+W 🕨
📄 Сору	Ctrl+C
Paste	⊂trl+V
💢 Delete	Delete
Rename	F2
🐝 Restart in Debug	Ctrl+Alt+D
🜔 Restart	Ctrl+Alt+R
Restart in Profile	
📕 Stop	Ctrl+Alt+S
😳 Publish	Ctrl+Alt+P
Clean	
Carl Add and Remove Projects	
Monitoring	•
Create tables and data sources	
Reconnect debug process	
${\boxtimes}$ View and publish the changes to the serve	er
🔚 Manage server profiles	
Server configuration	+
Universal test client	+
Administration	•
Launch	+
Properties	Alt+Enter

- ____ d. Click Remove All
- ____e. Click Finish
- ___ f. Click Ok.
- ____g. Open Loan ApplicationModule in the Assemble Editor.

___h. Delete the link between LoanApprovalProcess and AutoApprovalRules.

😢 *LoanApplicationModule - Assembly Diagram 🕱
1 A LoanApprovalProcess
Java
j. Right Click the Server in the Servers View.
k. Select Add and Remove Projects
I. Click Add All
m. Click Finish
n. Click Ok.
o. In the test client editor, click the re-run button
p. Double Click $\overline{\underline{}}$ to the right of Name and enter Joe Smith .
q. Then click out side out of the entry box.
r. Double Click <i>to the right of Email and enter</i> JoeSmith@Acme.com .
s. Then click out side out of the entry box.
t. Double Click $\stackrel{\frown}{\sim}$ to the right of TaxPrayerId and enter 123451 .
u. Then click out side out of the entry box.
v. Double Click $\stackrel{\frown}{\checkmark}$ to the right of LoanAmount and enter 40000.
w. Press Continue

🔂 Deployment Location	
Select Deployment Location Specify a runtime location where this test will deploy.	E
Deployment location:	
WebSphere Process Server v6.2 at localhost WebSphere Process Server v6.2 at localhost Mode: Run Use this as the default and do not ask again	New Server
⑦	h Cancel

____ x. Click Finish.

____y. Results:

Туре	▲ Time	Thread ID	Contents
🔲 🗖 🛬 Invocation sequence (LoanAp	pr Nov 10, 2008 13:18:15.203	00000079	
🗆 🗖 😔 Start invoke (LoanApprova	all Nov 10, 2008 13:18:15.203	00000079	Start of the asynchronous invocation of operation LoanApprovalProcess:ApplyOnli
🗆 🗖 🥯 Start component (Loar	Nov 10, 2008 13:18:15.281	000008c	Start of the component processing of operation LoanApprovalProcess:ApplyOnline i
🔲 🔛 💭 🔲 🔲 Start business pro	ce Nov 10, 2008 13:18:18.218	0000007c	Start of processing for business process LoanApprovalProcess:_PI:9003011d.87a0
🔲 😡 End business proc	e: Nov 10, 2008 13:18:18.390	0000007c	End of processing for business process LoanApprovalProcess:_PI:9003011d.87a01
End component (Loan/	Ar Nov 10, 2008 13:18:18.093	000008c	End of the component processing of operation LoanApprovalProcess:ApplyOnline in
End invoke (LoanApproval	Pt Nov 10, 2008 13:18:15.265	00000079	End of the asynchronous invocation of operation LoanApprovalProcess:ApplyOnlin
🔲 🔲 😔 Start result retrieval (Loan	A Nov 10, 2008 13:18:18.734	0000078	Start of the result retrieval of operation LoanApprovalProcess:ApplyOnline in modul
🔲 🔲 😡 Result retrieval failed (Loa	n Nov 10, 2008 13:18:23.750	0000078	A failure occurred during the result retrieval of operation LoanApprovalProcess:Ap
📃 📃 🕘 Start result retrieval (Loan	A Nov 10, 2008 13:18:25.765	0000078	Start of the result retrieval of operation LoanApprovalProcess:ApplyOnline in modul
📃 🔛 💭 Result retrieval failed (Loa	n Nov 10, 2008 13:18:30.765	0000078	A failure occurred during the result retrieval of operation LoanApprovalProcess:Ap
📃 🔛 🔛 Start result retrieval (Loan	A Nov 10, 2008 13:18:33.031	0000078	Start of the result retrieval of operation LoanApprovalProcess:ApplyOnline in modul
Result retrieval failed (Loa	n Nov 10, 2008 13:18:38.031	0000078	A failure occurred during the result retrieval of operation LoanApprovalProcess:Ap
📃 🔛 🔛 Start result retrieval (Loan	A Nov 10, 2008 13:18:40.546	0000078	Start of the result retrieval of operation LoanApprovalProcess:ApplyOnline in modul
Result retrieval failed (Loa	n Nov 10, 2008 13:18:45.546	0000078	A failure occurred during the result retrieval of operation LoanApprovalProcess:Ap
📃 🔛 🔛 Start result retrieval (Loan	A Nov 10, 2008 13:18:48.312	0000078	Start of the result retrieval of operation LoanApprovalProcess:ApplyOnline in modul
Result retrieval failed (Loa	n Nov 10, 2008 13:18:53.312	0000078	A failure occurred during the result retrieval of operation LoanApprovalProcess:Ap
📃 🔛 🔛 Start result retrieval (Loan	A Nov 10, 2008 13:18:56.312	0000078	Start of the result retrieval of operation LoanApprovalProcess:ApplyOnline in modul
📃 🔛 💭 Result retrieval failed (Loa	n Nov 10, 2008 13:19:01.843	0000078	A failure occurred during the result retrieval of operation LoanApprovalProcess:Ap
📃 🔛 🔛 Start result retrieval (Loan	A Nov 10, 2008 13:19:05.109	0000078	Start of the result retrieval of operation LoanApprovalProcess:ApplyOnline in modul
Result retrieval failed (Loa	n Nov 10, 2008 13:19:10.109	0000078	A failure occurred during the result retrieval of operation LoanApprovalProcess:Ap
📃 🔛 🔛 Start result retrieval (Loan	A Nov 10, 2008 13:19:13.609	0000078	Start of the result retrieval of operation LoanApprovalProcess:ApplyOnline in modul
Result retrieval failed (Loa	n Nov 10, 2008 13:19:18.609	0000078	A failure occurred during the result retrieval of operation LoanApprovalProcess:Ap
📕 🔲 🖳 Start result retrieval (Loan	A Nov 10, 2008 13:19:22.359	0000078	Start of the result retrieval of operation LoanApprovalProcess:ApplyOnline in modul
Result retrieval failed (Loa	n Nov 10, 2008 13:19:27.359	0000078	A failure occurred during the result retrieval of operation LoanApprovalProcess:Ap
📕 🔲 🔛 Start result retrieval (Loan	A Nov 10, 2008 13:19:31.359	0000078	Start of the result retrieval of operation LoanApprovalProcess:ApplyOnline in modul

Note: The retrieval failed will occur repeatedly because the Auto Approve Rules component is not connected to the loan approval process. The big difference between this failure and the Human Task is that once the Human Task is Complete the retrieval failed stops.

🚯 Propertie	es	×
🤘 Result i	retrieval failed (LoanApprovalProcess:ApplyOnline)	
Time:	Nov 10, 2008 13:18:23.750	
Thread ID:	00000078	
Contents:		
	A failure occurred during the result retrieval of operation LoanApprovalProcess:ApplyOnline in module LoanApplicationModule.	*
0		ОК

🚯 Propertie	25	×
🤘 Result r	retrieval failed (LoanApprovalProcess:ApplyOnline)	
Time:	Nov 10, 2008 13:18:23.750	
Thread ID:	00000078	
Contents:	C Translated 💿 Raw	
	XCT I 07e8a3dd-ddab-4640-be64-54345fc78d94 END 0eca8738-055d-4d0f-baae-34b67f6b888a 0000000-cccc-2008-cccc-ccccccc2 SCA(DeferredResponse failedResultRetrieve LoanApplicationModule %7Bhttp%3A%2F%2Fwww.ibm.com%2Fxmlns%2Fprod%2Fwebsphere%2 Fscdl%2F6.0.0%7DLoanApprovalProcess %2FLoanApprovalProcessInterface.ApplyOnline Assoc(Ticket _8QkHMK9TEd2cq7viSSSTJQ))	
0	ОК	

- z. As an Option: Change another part of the Loan Approval Process and see how your change propagates itself in XCT?
- _____ 8. Clean up the test server.

___ a. Right Click the Server in the Servers View.

- ____b. Select Add and Remove Projects ...
- ___ c. Click Remove All
- ___ d. Click Finish
- ___e. Click Ok.
- _____9. Stop test server.
 - ____a. Select the Server

Build Activities	Properties	🚼 Pi	roble
Server 🔺			Sta
🔚 WebSpher	e Process Serve	r v6.2	1

__ b. Click 💻

____ c. You are ready to move on to the next lab.

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