IBM WebSphere Business Services Fabric 6.2 – Lab exercise

# Legacy Business Application: V6.1.2 Migration

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#### What this exercise is about

This lab provides the procedure for migrating WebSphere Business Services Fabric V6.1 to the V6.2. This lab is not dependent on the previous two labs.

This lab does not cover the new business spaces introduced in version 6.2. This lab is provided AS-IS, with no formal IBM support.

### Lab requirements

- Software needed :
  - WebSphere Business Modeler Advanced version 6.2
  - WebSphere Integration Developer version 6.2 with WebSphere Process Server unit test environment
  - WebSphere Tool Pack with WebSphere Business Fabric Server unit test environment version 6.2
  - WebSphere Monitor Toolkit version 6.2
  - WebSphere Registry and Repository version 6.1.2 or later
- All PIF a and related files can be found in **Migration-version6\_1\_2-labfile.zip**
- These labs use username: **admin** and password: **admin** to login as administrator for any of the Web consoles including WebSphere Business Services Fabric and WebSphere Process Server. Your environment can use different credential details.
- This lab requires WebSphere Process Server application port is 9081.

### What you should be able to do

After performing this lab, participants will have:

Exposed to WebSphere Process Server and Fabric Web tools Migrate a project from 6.1.2 to 6.2 Build business policies Monitor-Fabric interaction

### **Exercise instructions**

- \_\_\_1. Open WebSphere Integration Developer with a new workspace for example C:\workspace\wid61-lab3.
- \_\_2. Once WebSphere Integration Developer is started, switch to the Business Integration perspective (if necessary) and right-click within the Business Integration Tab and select Import

Business Integration - IBM WebSphere Integration D	eveloper 6.1.2 - Elworkspaces\Beta-Playground
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	[8/13/08 16:16:54:676 CDT] 00000046 FileRepositor A ADMR00161: User defaultWIMFileB
	[8/13/08 16:16:54:676 CDT] 00000046 FileRepositor A ADMR0017I: User defaultWIMFileB
	[8/13/08 16:19:21:035 CDT] 00000010 ServiceLogger I com.ibm.ws.ffdc.IncidentStreamImp:
	[8/13/08 16:19:21:067 CDT] 00000010 ServiceLogger I com.ibm.ws.ffdc.IncidentStreamImp.
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0 items selected	

\_\_3. Select Project Interchange and click Next.

	na its dependent	projects from a	Zip file.	Ľ	
Select an import	source:				
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<ul> <li>J2EE</li> <li>Profiling</li> <li>Team</li> <li>Test</li> <li>Websph</li> <li>Websph</li> <li>Other</li> <li>HTT</li> <li>FTP</li> <li>Test</li> <li< th=""><th>Development and Logging vices ere Business Moo o ct Interchange</th><th>deler</th><th></th><th></th><th></th></li<></ul>	Development and Logging vices ere Business Moo o ct Interchange	deler			
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\_\_4. Browse to **POT\_PIF-export-start.zip**. Select only JKEnterpriseLibrary, OpenAcct602 and OpenAcct602App and click **Finish**.

\varTheta Import Proje	ct Interchange Contents	
Import Projects Import Projects from a	a zip file.	
From zip file:	C:\Documents and Settings\watcher\Desktop\e	Browse
Project location root:	C:\workspace\wid61-lab3	Browse
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0	< Back Next > Einish	Cancel

\_\_5. Right click **OpenAcct602** in the Business Integration view and select **Properties** 



- \_\_6. Select Java Build Path > Projects
- \_\_\_7. Select and remove fabric-catalog-api and fabric-engine-api

Properties for	OpenAcct602		r
type filter text	Java Build Path	(- + -)	×
Info BeanInfo Path Builders	Source Projects Libraries & Order and Export Required projects on the build path:		s.
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<ul> <li>Java Build Path</li> <li>Java Code Style</li> <li>Java Compiler</li> <li>Javadoc Location</li> <li>10BC Connections</li> </ul>		Re <u>m</u> ove	

\_\_\_8. Verify under Libraries WebSphere Business Services Fabric Server library is listed

Properties for	OpenAcct602	rnet Explorer
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- Info - BeanInfo Path - Builders	Source      Projects     Libraries     Gy     Order and Export     JARs and class folders on the build path:	93 💶 🗙
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J2EE Module Dependi Java Build Path	Add ⊻ariable	
Java Code Style	Add Library	

\_\_9. Click **OK** to close the properties page. Wait for the project to rebuild and verify there are no errors. You might still have a few warnings.

Build Activities Properties 🔝 Problems 😒	Servers		
0 errors, 8 warnings, 0 infos			
Description 🔺	Resource	Path	Location
🖃 🏣 Warnings (8 items)			
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A The field ProcessAppContextExtra	ProcessAp	OpenAcct602/com/ibm/	line 11
🗄 The method getMyService() from	ContextExt	OpenAcct602/com/ibm/	line 22
	Build Activities       Properties       Problems       Image: State	Build Activities     Properties     Problems     Servers       0 errors, 8 warnings, 0 infos     Description     Resource       Image: Description     Image: Description     Image: Description       Image: Description     Ima	Build Activities         Properties         Problems         Servers           0 errors, 8 warnings, 0 infos         Description         Resource         Path           Image: Servers         Image: Servers         Path         Path           Image: Servers         Servers         Path

- \_\_10. Start WebSphere Business Services Fabric Server. This will take a few minutes. Verify the server **state** is **Started**.
- \_\_\_11. Browse to the WebSphere Process Server admin console at <u>https://localhost:9044/ibm/console</u> and login.
- \_\_12. Expand the applications menu and click Enterprise Applications.

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\_\_13. Click the Install Button, and the screen should appear. Provide the location for the AccountServicesEAR.ear under the location given under Lab Setup. Click **Next**.

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<u>File Edit View History Bookmarks Tools </u>		
	<u>H</u> elp	
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Integrated Solutions Console Welcome admin	Help Logout	
View: All tasks 👻 🗄	nterprise Applications	Close page
Welcome	Preparing for the application installation ?	- Help -
Guided Activities	ACCORDING THE THE STREET STREET STREET STREET	Field help
Servers	specify the EAK, WAK, JAK, or SAK module to upload and install.	For field help information, select a field label or list
Applications	Path to the new application	marker when the help
Enterprise Applications     Install New Application     SCA modules     Monitor Models     Data Movement Service     Monitor Action Services	Local file system     Full path     Browse      Remote file system     Pull path	cursor appears. Page help More information about this page
Resources	Browse	
Security	Context root	
Environment	Used only for standalone Web modules (.war files) and SIP	
Integration Applications	modules (.sar files)	
	How do you want to install the application?	
1 Users and Groups	Prompt me only when additional information is required.	
Monitoring and Tuning	Show me all installation options and parameters.	
Troubleshooting		
Service integration	Next Cancel	

\_\_\_14. Accept the defaults and click Next twice and then the Finish Button. The following screen should appear. Save directly into the Master Configuration.

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Integrated Solutions Console Welcome ad	min Help   Logout	M.
View: All tasks	▼ Installing	
= Welcome	If there are enterprise beans in the application, the EJB deployment process can take several minutes. Please do not save the	
Guided Activities	configuration until the process completes.	
Servers	Check the SystemOut log on the Deployment Manager or server where the application is deployed for specific information about the EJB deployment process as it occurs.	
E Applications		
<ul> <li>Enterprise Applications</li> <li>Install New Application</li> </ul>	ADMA5067I: Resource validation for application AccountServicesEAR completed successfully.	
SCA modules Monitor Models	ADMA5058I: Application and module versions are validated with versions of deployment targets.	
Data Movement Service     Monitor Action Services	ADMA5005I: The application AccountServicesEAR is configured in the WebSphere Application Server repository.	
E Montor Action Bertices	ADMA5053I: The library references for the installed optional package are created.	
Resources	ADMA5005I: The application AccountServicesEAR is configured in the WebSphere Application Server repository.	
E Security	ADMA50011: The application binaries are saved in E:\WID61\of\WBSFabric\wstemp\92668751\workspace\cells\vista-vmNode01Cellapplications	
Environment	AccountServicesEAR.earAccountServicesEAR.ear	111
Integration Applications	ADMA5005I: The application AccountServicesEAR is configured in the WebSphere Application Server repository.	
System administration	SECJ04001: Successfuly updated the application AccountServicesEAR with the appContextDForSecurity information.	
Users and Groups	ADMASSA11 The cleanup of the term directory for empiration AccountServicesEAD is complete	
Monitoring and Tuning	Point-do i n. The cleanap of the temp shocker in application Account.complete.	
⊞ Troubleshooting	ADMA5013I: Application AccountServicesEAR installed successfully.	
Service integration	Application AccountServicesEAR installed successfully.	
E UDDI	To start the application, first save changes to the master configuration.	
	Changes have been made to your local configuration. You can:	
	<ul> <li><u>Save</u> directly to the master configuration.</li> </ul>	
	<ul> <li><u>Review</u> changes before saving or discarding.</li> </ul>	
	To work with installed applications, click the "Manage Applications" button.	
	Manage Applications	
Done	localhost:9044	9

Tools Help		
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Use th	is page to manage installed applications. A single appli	cation can be deployed onto multiple servers.
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1	AccountServicesEAR_	*
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	state states s	Firefox       Jook Help       https://localhost9044//bm/console/login.do?action=secure       Latest Headlines       Smin       Image: Comparison of the secure of the sec

#### \_\_15. Start the AccountServicesEAR

\_\_\_16. There should be a message stating the EAR file was started successfully.

8		
	🖂 Messages	
	I Application AccountServicesEAR on server server1 and node vista-vmNode01 started successfully.	

\_\_\_17. In the WebSphere Application Server console expand the Users and Groups menu and select Manage Groups, click the Search Button.



IBM WebSphere Business Services Fabric 6.2 – Lab exercise

\_\_\_18. If the group FabricAdministrators has not been created, click the Create Button. The following screen should appear. Type FabricAdministrators as the Group Name and click the Create Button.

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Very Carlo Constant Console/Login.do?action:secure     Most Visite Console Veloces admin     Very Carlo Console Veloces     description     General     Assocres     General     Security     General     Assocres     Security     Carlo Console     Very	Gr • (Gr • Gogle	133 7 - 000 137 137 137 137 137 137 137 137 137 137
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Manage Groups  Create Cancel  Monitoring and Tuning		
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E Service integration		
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\_\_\_\_19. The group should have been created successfully. Click Fabric Administrators.

i	The group was created successfully.	
	Create Like Close	

\_\_\_20. Click the Members Tab and select Add Users

Manage Groups						
Group Properties						
General Members Group	15					
General Members Group						
Group name						
FabricAdministrators						
The group has 0 members.						
Add Users	ps Remove					
~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~						
Page 1 of 1	Total: 0					

\_\_\_21. Search and add the admin user.

Manage Groups						
Add Users to a Group						
Group name						
FabricAdministrators						
Search for users that will be members of this group.						
Search by *Search for *Maximum results						
User ID 👻 * 100						
Search						
9 users matched the search criteria.						
admin						
bdaniel						
dcampbell						
dedwards						
jjames 👘 👘						
Icarlesberg						
mburnnet						
mcharles						
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<b>T</b>						
Add, Close						
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\_22. After adding successfully click the Close button and then these screen should appear:

General Members Groups Group name FabricAdministrators The group has 1 members. Add Usaar Add Casuar Ramous C C C C C C C C C C C C C C C C C C C				
Group Properties General Members Groups Group name FabricAdministrators The group has 1 members. Add Upper Add County Pamono C +++				
General Members Groups Group name FabricAdministrators The group has 1 members. Add Upper Add County Pempus Reference (1999)				
General Members Groups Group name FabricAdministrators The group has 1 members. Add Upors Add Upors				
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FabricAdministrators       The group has 1 members.       Add Upper       Add Upper				
The group has 1 members.				
Add Users Add Croups Bernove				
Add Users Add Groups Remove				
Select ID Type Unique Name				
admin 🕴 uid=admin,o=defaultWIMFileBasedRealm				
Page 1 of 1 Total: 1				

- \_\_\_23. Logout of WebSphere Process Server administrative console
- \_24. Log into the WebSphere Business Services Fabric Web tools console at <u>http://localhost:9081/fabric</u>

¿Login - WebSphere Business Services Fabric - Mozilla Firefox File Edit View Higtory Bookmarks Tools Help			
C X 🔬 🗋 http://localhost9081/fabric/login.jsp		☆ • Google	٩
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WebSphere Business Services Fabric			
Login Please enter your User Id and Password. Fields marked with an asterisk (*) are required fields. User Id admin Password			
Login	The second second		
© Copyright IBM Corp. 2006-2008.		WebSphere Business Servi	ices Fabric 6.1.2.
Done			

- \_\_25. Expand the Governance Manager Menu and select Import/Export
- \_\_\_26. Browse to C:\Documents and Settings\watcher\Desktop\e-2-e\_scenario\e-2-e\_scenario
- \_\_27. Select 1-FabricGovernance20080204-osl.zip file and click **Import File**. Verify the confirmation states the files imported successfully.

Import/Export - WebSphere Business	Services Fabric - Mozilla Firefox			
le <u>E</u> dit <u>V</u> iew Hi <u>s</u> tory <u>B</u> ookmarks	<u>I</u> ools <u>H</u> elp			
🌜 🖓 🖯 😋 😋 🔁	http://localhost:9081/fabric/app/?wicket:inte	rface=:1:1:	☆ ・ Google	8
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WebSphere Busin	ess Services Fabric		Welcome, admi Login Time: Aug 13, 2008 5	n • <u>Loqou</u> 5:52:12 PN
My Services	Import/Export			
My Inbox	Concert les Desiret			
Business Services Repository	Import Export by Project			
E Governance Manager	Fields marked with an asterisk (*) are ren	quired fields.		
Configure Environments	Info			
Configure Namespaces	Warning: Importing a Fabric Content	Archive replaces all of the existing	Namespaces included in the Fabric Content Ar	rchive.
Configure Projects	The Fabric Content Archive, 3-Fabric	Governance20080204-owl.zip, was	mported successfully.	
Configure Repository	Fabric Content Archive Selection	45		
Import/Export	* File	Browse		
Manage Changes				
Manage Teams			In	aport File
Manage User Accounts				
Performance Manager				
E Subscriber Manager				
Help				
Copyright IBM Corp. 2006-2008.			WebSphere Business Services Fa	bric 6.1.2.
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- \_\_\_28. Similarly import the file in the order :
  - \_\_a. 2-OrganizationsUsersandRoles20080204-owl,

- \_\_b. 3-JKEnterprisesSchemaExtensions20080204-owl,
- \_\_c. 4-JKEnterprisesOpenAcct20080204-owl
- \_\_d. 5-UserPolicies20080204-owl.
- \_\_\_\_29. Click Governance Manager -> Configure Projects and select JKEnterprisesOpenAcct

My Services	Configure Projects			
Welcome	Project Selection			
Business Services Repository	View 10 💌 rows at a time			
Governance Manager				
Configure Environments	8 rows			Page 1 of 1 🔣 🖾 🗵 🗵
	Project Name	Project Type	Description	Last Modified
Configure Namespaces	User Policies	Legacy Business Service	Policies created using the Customized Policy application programming interface are stored in this project	Apr 12, 2009 10:32:32 PM
Configure Repository	(KEnterprisesOpenAcct	Legacy Business Service		Apr 12, 2009 10:32:22 PM
Import/Export	JKEnterprisesSchemaExtensions	Ontology Extension	-	Apr 12, 2009 10:31:24 PM
Manage Teams		Legacy Business	Used by IBM Business Services Subscriber Manager to store organizations, users, and role	Apr 12, 2009

\_\_\_30. Under the **Project Team** tab select **System Team** and click **Save** 

Configure Projects		
Project JKEnterprisesOpenAcct		Back to Projects
Project Details Project Team Namespaces		
Info		
<ul> <li>Select a Team to view its Team Members.</li> <li>Click Save to associate the Team to the Project.</li> </ul>		
Team Selection		
Team TestOrg2		
Team Members System Team		
View 10 v rows at a time		
0 rows		Page 1 of 1 🗷 🗵 🗵
User Id	Name	
		Page 1 of 1 🔣 🖾 🗵
		Save

#### \_\_31. Click Logout

## What you did in this lab



You have successfully migrated a Fabric project created in version 6.1.2 project into version 6.2