#### IBM WebSphere Business Services Fabric V6.2 – Lab exercise

# WebSphere Service Registry and Repository integration with WebSphere Business Services Fabric

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## What this exercise is about

The WebSphere Business Services Fabric 6.2 offers improved integration with WebSphere Service Registry and Repository. By completing this exercise, you will have configured a Fabric connection with WebSphere Service Registry and Repository and created a dynamic Fabric endpoint.

## Lab requirements

Software needed:

WebSphere Integration Developer version 6.2 with the WebSphere Process Server unit test environment

WebSphere Tool Pack with WebSphere Business Fabric Server test environment version 6.2

WebSphere Registry and Repository version 6.2

Load WebSphere Service Registry and Repository with Web service interface documents from WSRRwsdls.zip. These instructions are in the scope of this lab.

Ensure there is an existing Fabric project in this workspace. If not, run the Modeler-Fabric interaction lab.

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 may use different credential details.

## What you should be able to do

After performing this lab, you will have:

- Become more familiar with WebSphere Process Server, WebSphere Integration Developer, WebSphere Service Registry and Repository, and WebSphere Business Services Fabric
- Configure a Fabric Connection with WebSphere Service Registry and Repository
- Created a Dynamic Fabric endpoint

## **Part 1: Exercise instructions**

- \_\_\_1. Start WebSphere Service Registry and Repository server
- \_\_\_2. Log into the WebSphere Process Server administrative console as administrator on your Fabric server at <a href="https://localhost:<p>https://localhost:https://localhost:



- \_\_\_3. Click on **Service Integration > WSRR Definitions**
- \_\_\_4. Click New

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\_\_\_5. Enter **WSRR-Server** in the WSRR definition name field and click **OK**. **Save** changes to the master configuration

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- \_6. In the WSRR definitions screen click on the link WSRR-Server

- \_\_\_7. Click Connection properties under Additional Properties
- 8. Under the Related Items section click JAAS-J2C authentication data link
- \_\_\_9. Click New
- \_\_\_10. Enter the following details :
  - \_\_a. Alias: wsrr62-auth
  - \_\_\_b. Provide the WebSphere Services Registry and Repository server login credentials for the user ID and password.

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\_\_\_C. Click **OK** and **Save** changes to the master configuration

\_\_\_11. Click **Web service** in the navigation tree.

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\_\_\_12. Under the Related Items section click SSL Configurations link

#### \_\_\_13. Click NodeDefaultSSLSettings link

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\_\_\_14. Under related Items, click Key stores and certificates

#### \_\_15. Click NodeDefaultTrustStore



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### \_\_\_16. Click Signer Certificates under the Additional Properties

### \_\_\_17. Click the **Retrieve from port button**

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\_\_\_18. Enter the following details :

WSRR definitions > WSRR-Server > Web service

Apply OK Reset Cancel

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Alias	WSRR_62_Remote_Machine	SSL configuration for outbound connection NodeDefaultSSLSettings V
		WSRR_61_Remote_Machine Retrieve signer information

- \_\_\_\_19. Click Retrieve signer information
- \_\_\_20. If all the info you typed in is correct you will see the key and other information appear below the Retrieve signer information button



#### \_\_\_21. Click **OK**.

- \_\_\_22. **Save** the changes to the master configuration
- \_\_23. In the Navigation tree click on Web Service (you should see WSRR definitions > WSRR-Server > Web service in your navigation tree in the main panel)
- \_\_\_24. Change the **Registry URL** field to https://<host name: port number>/WSRRCoreSDO/services/WSRRCoreSDOPort
  - \_\_\_a. Select authentication alias : wsrr61-auth
  - \_\_\_b. Select NodeDefaultSSLSettings : SSL Configuration

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- \_\_\_25. Click **OK**.
- \_\_\_26. **Save** the changes to the master repository
- \_\_\_27. Click Logout of WebSphere Process Server console and close the browser
- \_\_\_\_28. Switch back to WebSphere Integration Developer in the Business Integration perspective

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\_29. Stop and Start the server WebSphere Business Services Fabric Server.

\_\_30. Open the Business Service Perspective.



- \_\_31. Ensure there is an existing Fabric project in this workspace. If not, run the Modeler Fabric Interaction Lab.
- \_\_\_32. Right click and select New > Interface
- \_\_33. In the Import Interface window change the Import Source to Import from WebSphere Registry and Repository (WSRR) and click Next

ìt	🕭 Import Interfaces 🛛 🗙	v		
I P	Import WSDL Create Interfaces and Endpoints from a WSDL.			
r	Select Fabric Project:			
C	Project: ModelerFabricDemo			
	Namespace: Modeler Fanric Demo Namespaces			
C C	Select Import Source:			
n	● Import from Websphere Service Registry and Repository (WSRR)	r		
Ī		e		
X				
Q	Image: Second	1		

#### \_\_34. Click Next

Create Interfaces and Endpoints from a WSDL.				
Enter Interface Search Parameters:				
<u>C</u> onnection Na	ne: WSRR-Ser	-Server		
Search <u>T</u> ype:	Match any of the	e entered search	n fields	
Search Fields:	Field Name	Value		Add
	name	*		
	namespace	*		Remove
	version	*		
	Match Childre	en Classifications		

\_35. This will initiate a query into **WebSphere Services Registry and Repository** server that was registered earlier through the WebSphere Process Server administrative console.

\_\_\_36. Select CurrencyExachangeService.wsdl and click Next.



\_\_\_37. Once the WSDL is parsed select CurrencyExchangePortType and click Add

nport WSDL		
reate Interfaces and Endpoints fr	om a WSDL.	
reate Interfaces by selecting one	or more Port Types containing Operations	
Port Types containing 1 Operatio	ns	
<ul> <li>Currencyexchangeron (Type)</li> </ul>		
	<< Remove	
	Add All >>	
	<< Remove All	
< >		
	L	

- \_\_\_38. Click Next
- \_\_\_39. Verify the Port Type and Name and click **Next**
- \_\_\_40. Select the associated Endpoint and click Next

1	Import Interfaces from WSRR					
1	Import WSDL					
r						
r C	Select from the following Endpoints which ones to create 1 Endpoint					
	Address	Port	Interface			
	ИТТР	CurrencyExchangePor	CurrencyExchangePor			
c						
C	Select All Select None					
I						
¢	Cancel     Cancel					

- \_\_\_41. Verify the endpoint details and click **Finish**
- \_\_\_42. Verify you see the interface and endpoint that were imported under ModelerFabricDemo > Interfaces and ModelerFabricDemo > Endpoint.
- \_\_\_43. Stop the WebSphere Business Services Fabric server
- \_\_\_\_44. Close WebSphere Integration Developer

## What you did in this exercise

You have now successfully imported interfaces and associated endpoints from WebSphere Service Registry and Repository into WebSphere Business Services Fabric.