

6. Test everything out by opening up `C:\Training\ESB Test Drive\SendOrder.html` in a browser and click on the **Submit** button.

and click on the Submit button.

SoftwareAG Document... Integration Server My webMethods ☐ SMH ☐ CentraSite ☒ APISalign ☒ APIS PPM 5.0.1 ☒ APIS MashZone

<http://localhost:5555/invoke/acme.flows/addOrder>

JMSMessage	
destinationType	OrderTopic
destinationName	JMSDestination
connectionAliasName	JMSMessage

body	
data	@version 1.0
Order	
Header	Items
OrderID	1
TransactionID	1
OrderDate	2009-11-16
TotalCost	100100.99
IsValid	true
Sender	ID 2
Receiver	ID 3
SKU	12345
Quantity	20
SKU	23456
Quantity	10

JMSCorrelationID  
JMSDeliveryMode 2  
JMSDestination  
com.webmethods.jms.impl.WmTopicImpl[name=OrderTopic eventType=...

7. In another browser tab, go to the **IS Administration console** by clicking the **Integration Server** browser toolbar shortcut (<http://localhost:5555>) and view the server log by clicking on the **Server** link in the **Logs** menu heading. If asked for authentication, provide **Administrator/manage**. You should see: **Got OrderId: 1** at the top of the page. This indicates that a message was published to the **webMethods Message Service Provider**, was received by our **Trigger** and automatically invoked our handling service which printed this message out.

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sagbase.eur.ad.sag :: Integration Server

**Server > Server**

- Stabscs
- Service Usage
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  - Error
  - Service
  - Server
  - Session
  - Guaranteed Delivery
  - Security
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- Adapters
- Security
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**Log display controls**

First line to display 0    Number of entries to display 35    Refr

☐ Ascending sequence    
 ☒ Descending sequence

Server Log Entries as of 2011-11-24 11:11:54 CET	
[168] 2011-11-24 11:10:49 CET [ISP.0090.0003C]	Got OrderID: 1
[167] 2011-11-24 11:10:49 CET [ISP.0090.0003C]	true
[166]	
[165] </Order>	
[164] </Items>	
[163] <Quantity> 10</Quantity>	
[162] <SKU> 23456</SKU>	
[161] </Items>	

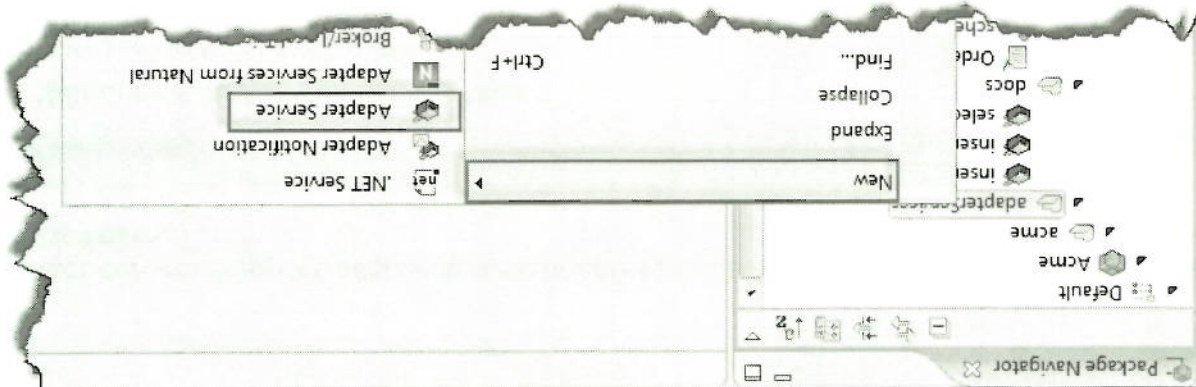
## Exercise 4: Get All Orders from the Database

### Overview

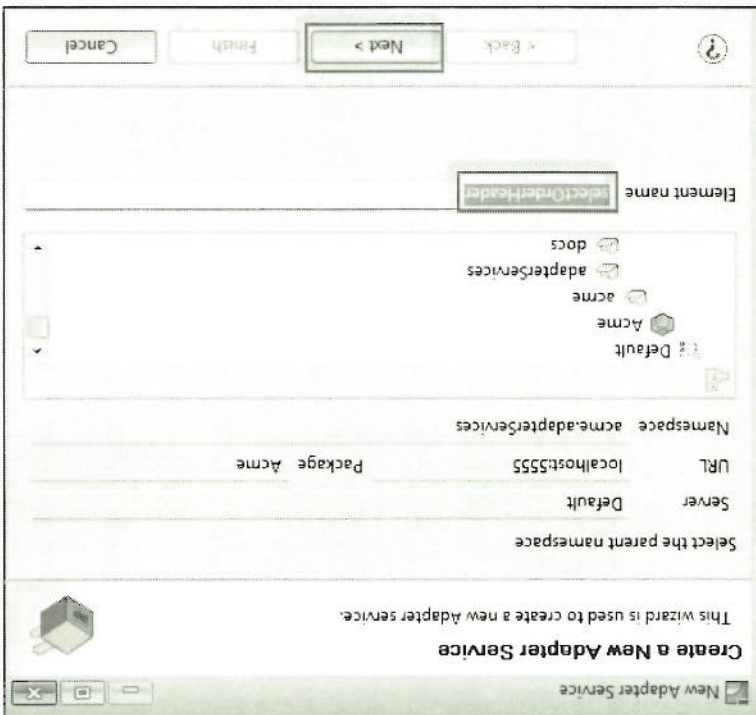
In this exercise, you will create a JDBC Adapter Service to retrieve all the Orders from the database.

### Steps

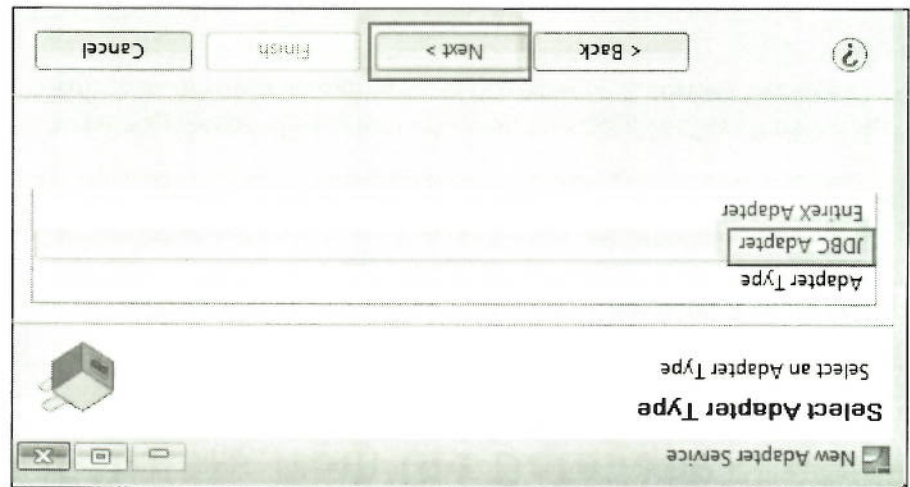
1. In Designer from the Package Navigator view, right-click on the adapterServices folder inside the acme folder within the Acme package and select New -> Adapter Service.



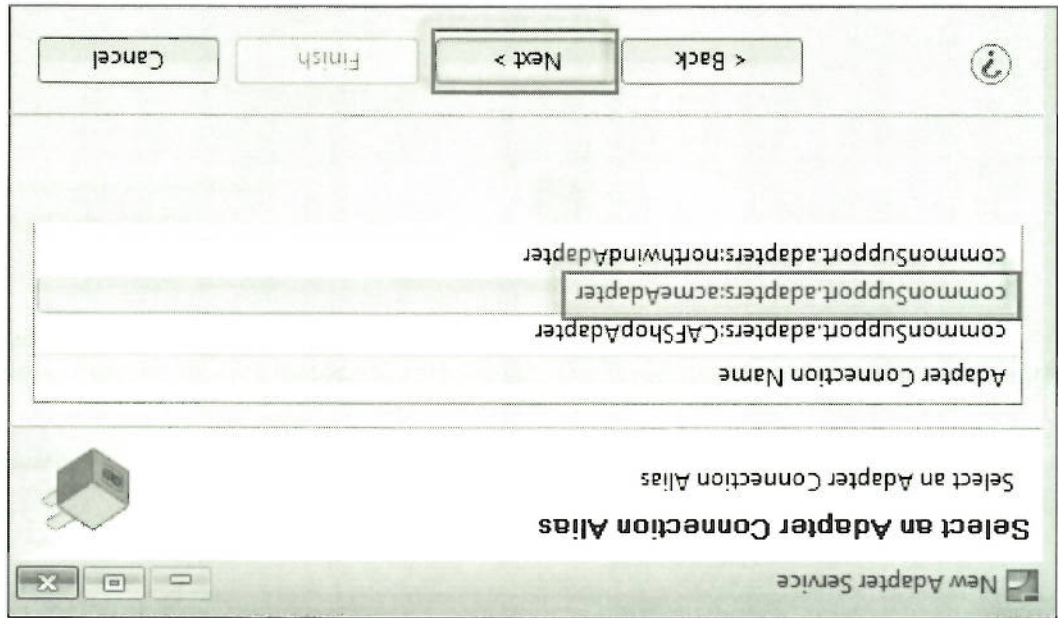
2. Name the new adapter service `selectOrderHeader` by typing it into the Element name field then click **Next>**.



3. Select JDBC Adapter to create a new adapter service from, then Next>.

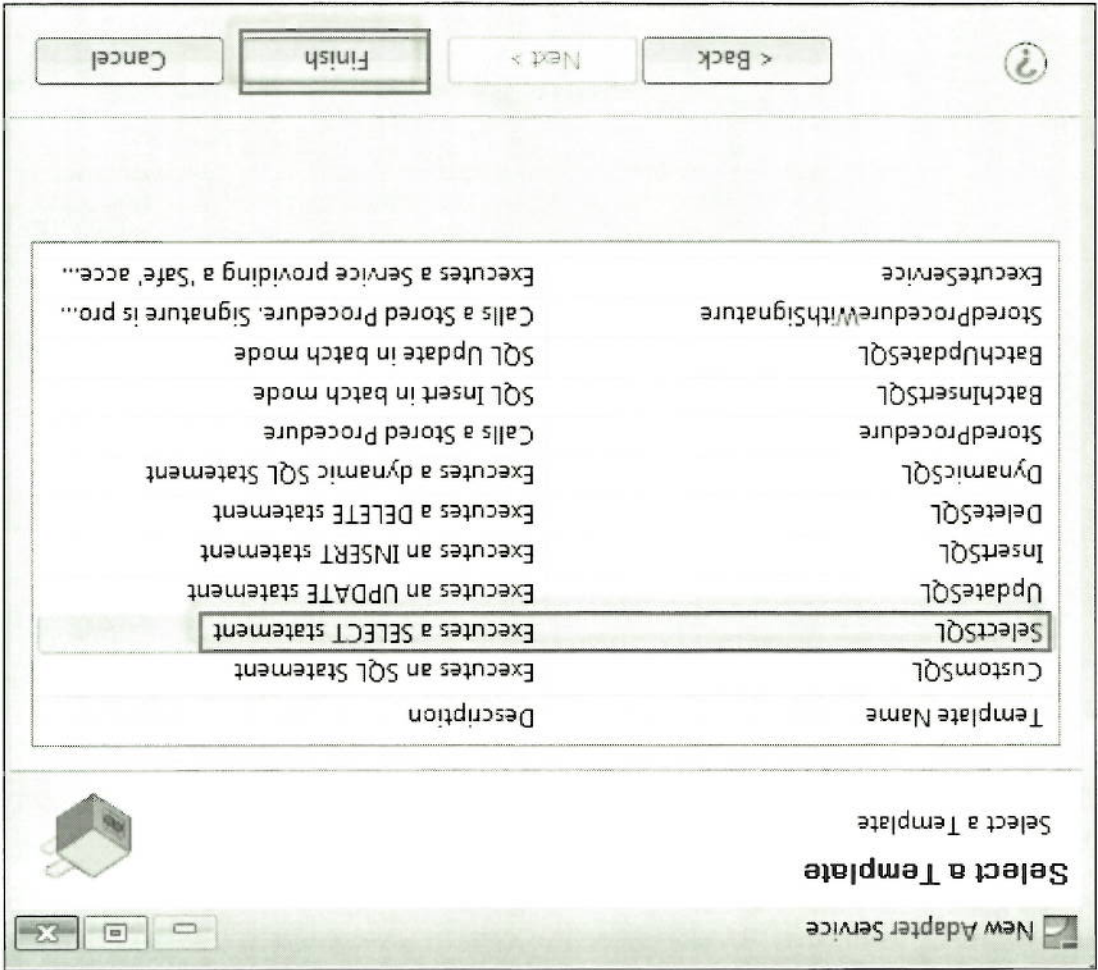


4. Select commonsupport.adapters:acmeAdapter to use this connection pool by default and click Next>.





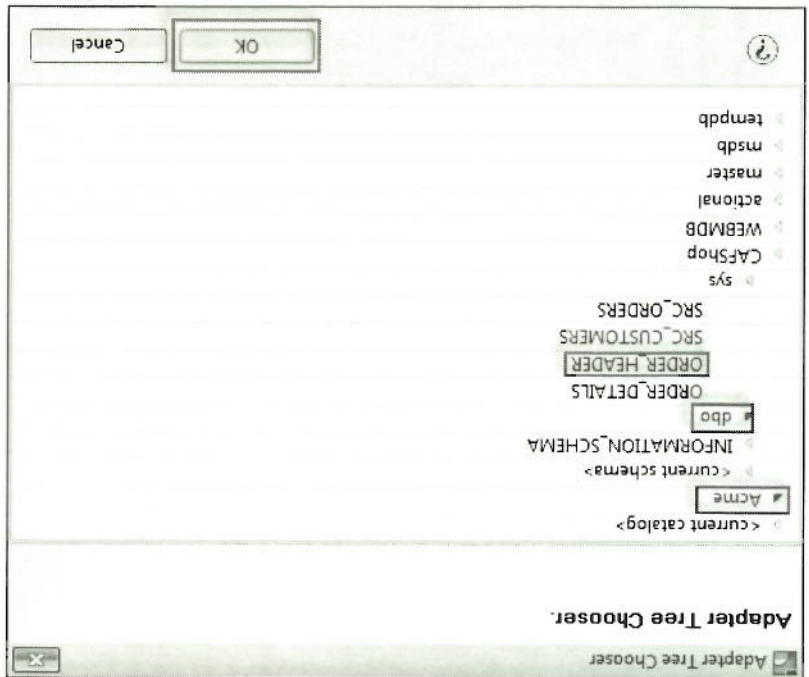
- Click on the **SelectSQL** adapter template then **Finish**.



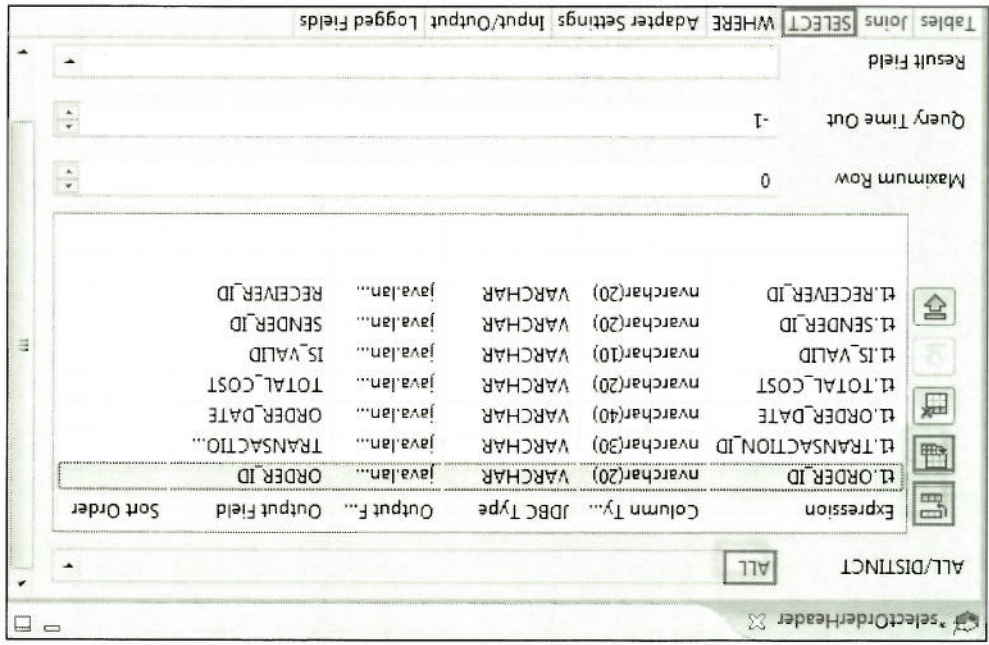
- In the adapter service editor, from the **Tables** tab, in the **t1** row, click inside the **Table Name** column's cell and select the appearing ellipse button in the right side of the cell.



Expand Acme -> dbo, select ORDER\_HEADER, and click OK.



7. On the SELECT tab, select ALL from the ALL/DISTINCT dropdown, click the Insert Row button, and then the Fill in all rows to the table button.



8. Save the adapter service. In the Package Navigator view, right-click on the `selectOrderHeader` service inside the `acme\adapterServices` folder within the `Acme` package, and select **Run As -> Run Service** to execute the service. Click the **OK** button in the **Input** dialog and confirm that the `ORDER_HEADER` table contains at least 1 row by viewing the contents of the **Service Result** view.
- Note: This row has been inserted by performing the preceding exercise.

Name	Value
ORDER_ID	1
TRANSACTION_ID	1
ORDER_DATE	2009-11-16
TOTAL_COST	100100.99
IS_VALID	true
SENDER_ID	2
RECEIVER_ID	3

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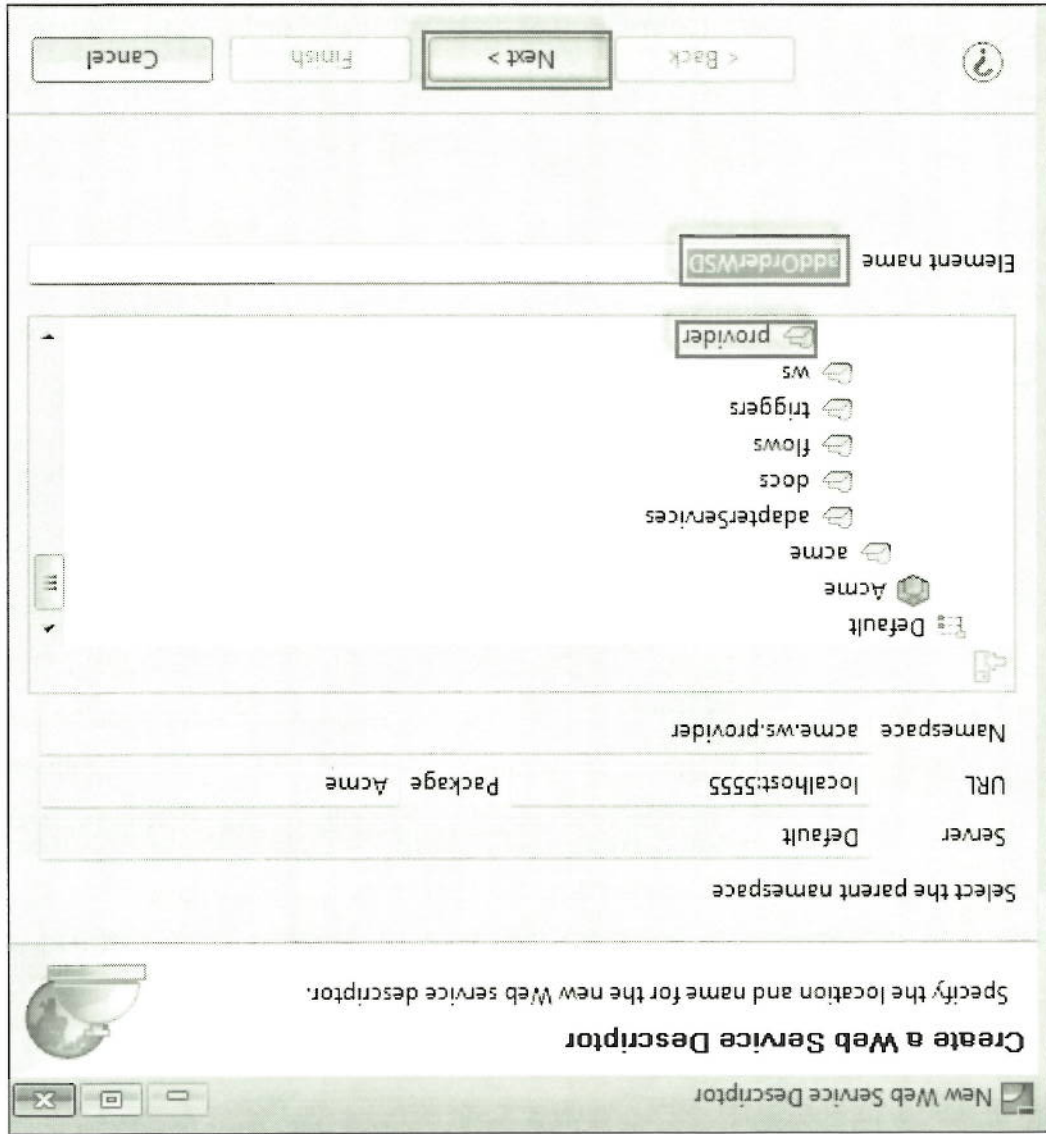
## Exercise 5: Generate a Web Service Interface

### Overview

In this exercise, you will create a Web service interface to the addOrder service by making a Provider Web Service Descriptor (WSD). This WSD will automatically create the standard interface definition XML file called a WSDL. The WSDL file is what you would give others that wish to submit orders as a Web service.

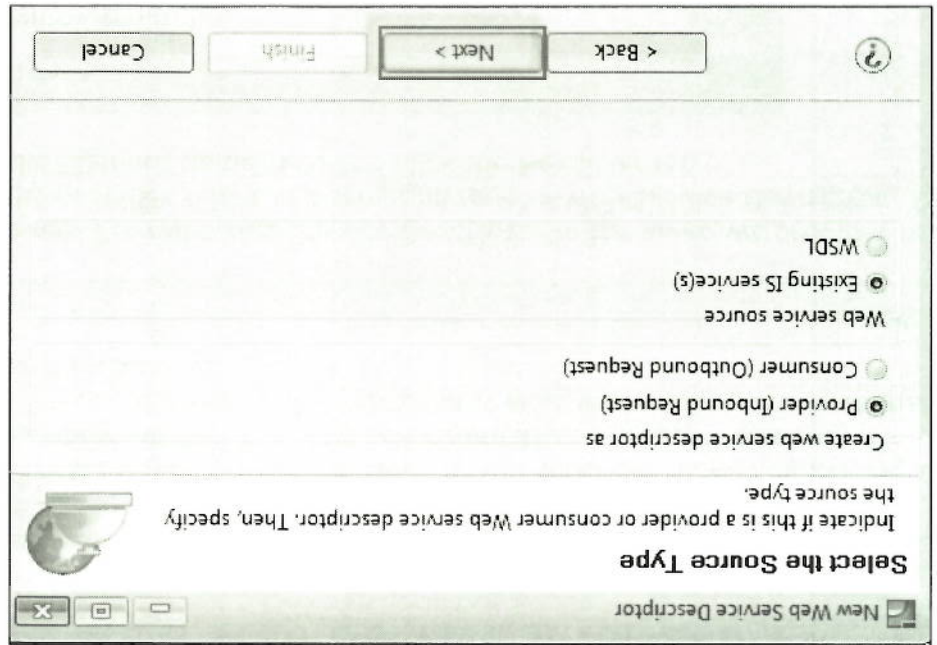
### Steps

1. In Designer, create a new Provider Web Service Descriptor in the acme.ws.provider folder by right-clicking on the provider folder and selecting New -> Web Service Descriptor. Type in addOrderWSD in the Element name field and click the Next> button.

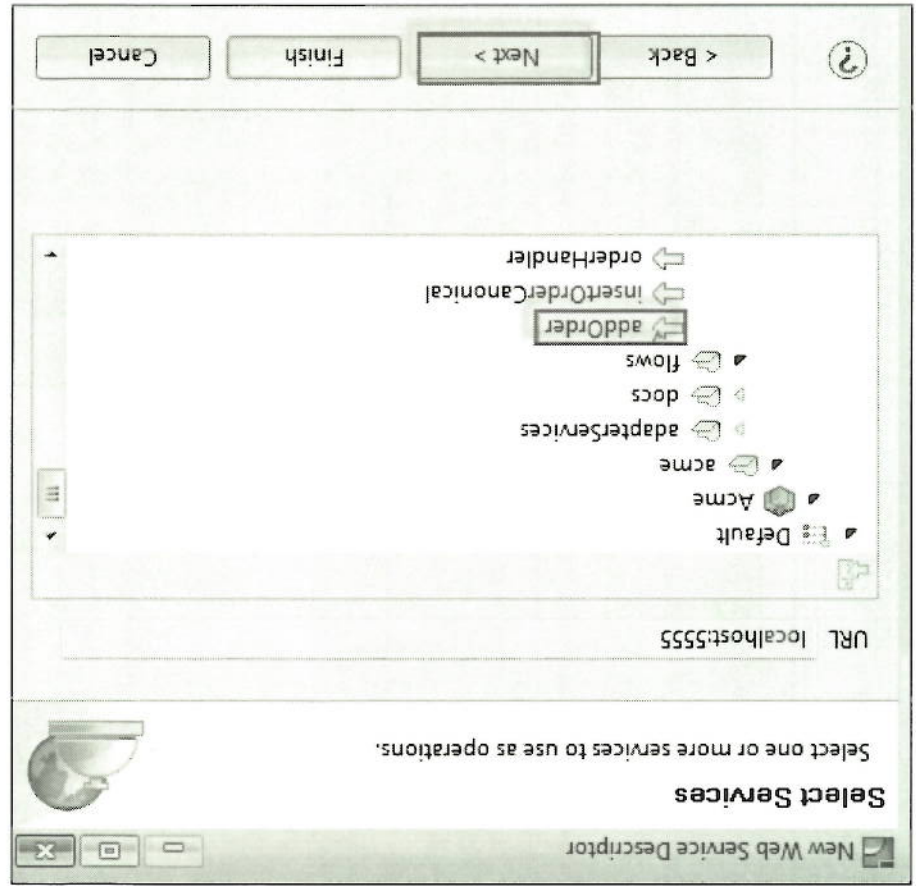




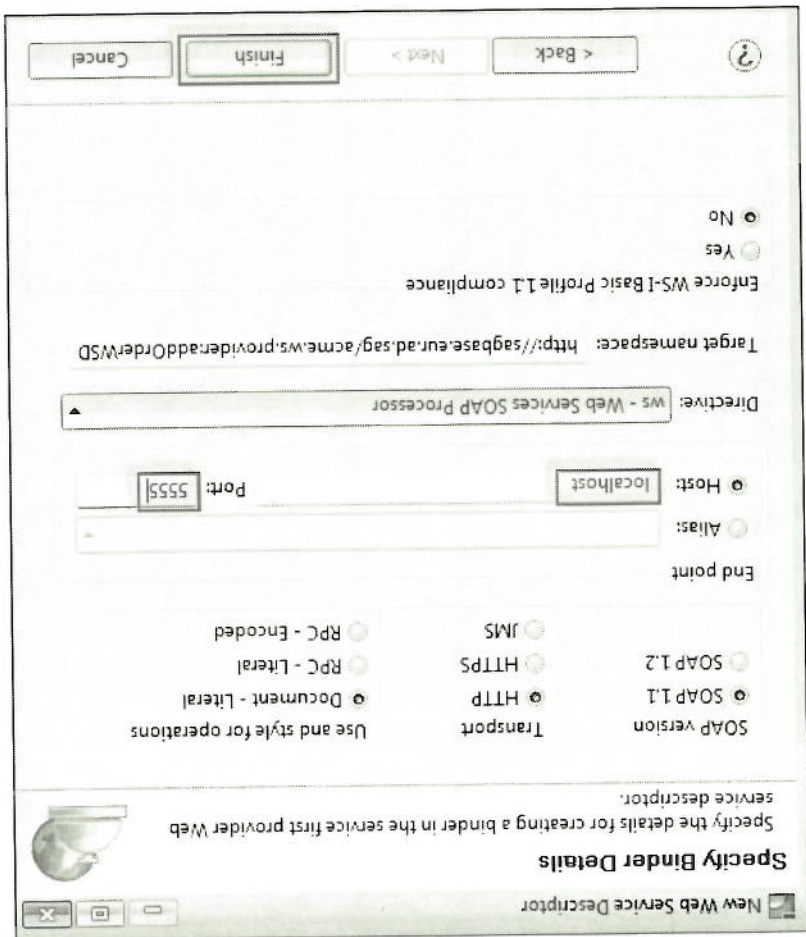
2. In the **Select the Source Type** dialog accept all of the defaults (Provider, Existing IS service(s) and select the **Next>** button.



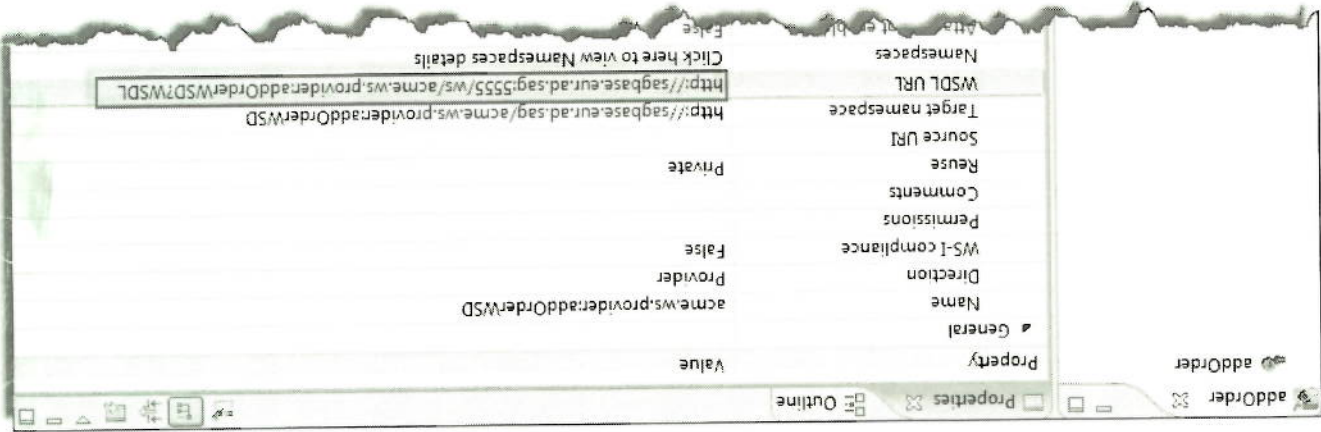
3. In the **Select Services** dialog Navigate to and select the **acme.flows:addOrder** service, then click **Next>**.



4. In the Specify Binder Details dialog, select the Host radio button in the End point section, enter localhost for Host and 5555 in the Port field. Accept the defaults for the rest of the fields and click the Finish button.



5. When the new Web service Provider named **addOrderWSD** appears in the editor, in its **Properties** view, highlight the **WSDL URL** property value and copy it to the clipboard.



6. Open a browser, paste the **WSDL URL** in the address field and hit return. The **WSDL** for the **addOrder** Web service should appear. This is the **URL** consumers of the Web service should use.

