Practice 3-2: Modifying the HelloWorld File Adapter to Use a Logical Name

Overview

In this practice, you modify the HelloWorld composite application and alter the File adapter to use a logical name instead of an explicit directory for orders written to the file system. You then create a binding property that is to set the directory to the `/home/oracle/labs` directory, deploy the application by using JDeveloper, and test that the order is written to a file in the `/home/oracle/labs` directory.

Assumptions

This practice assumes that you have completed Practice 3-1 successfully.

Tasks

Modifying the File Adapter to Use a Logical Name

1. If the HelloWorld overview window is not already open, in the JDeveloper Application Navigator, expand the HelloWorld project and open the `HelloWorld` file.
2. Right-click the WriteData external reference icon and select Edit.
3. Edit the File adapter external reference to use a logical name instead of a physical path. Use the following table of instructions as a guide:

Step	Window Description	Choices or Values
a.	File Adapter Reference	Click Next.
b.	Adapter Interface	Click Next.
c.	File Server Connection	Click Next.
d.	Operation	Click Next.
e.	File Configuration	Directory Specified as: Logical Name Directory for outgoing files (logical name): `orderfiles` Click Next.
f.	Messages	Click Next.
g.	Finish	Click Finish.

4. To set the path value for the `orderfiles` logical name, perform the following steps:
   a. To display the Properties pane, in the JDeveloper main menu, select Window > Properties.

      The Property Inspector for the Reference, WriteData, is displayed in a tabbed pane.
   b. Expand the Adapter and Composite properties.

      The adapter includes a reference property called LogicalDirectory with the value `orderfiles`.
   c. Set the `orderfiles` reference property. In the Composite properties, click in the Value cell and enter the string value `/home/oracle/labs/output/newfiles`.

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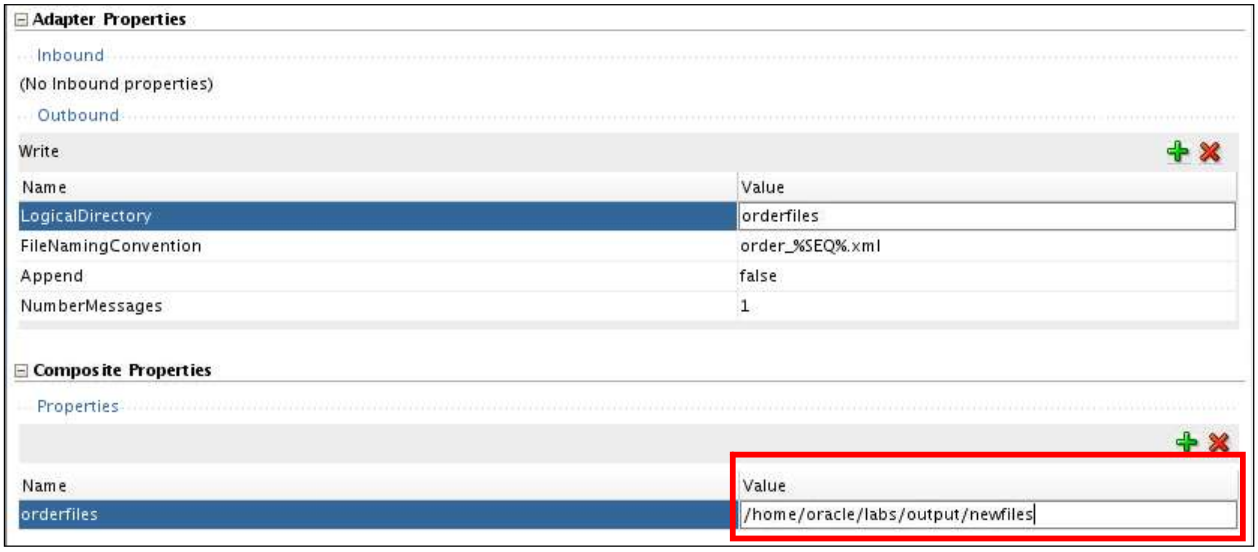
d. Press Enter.



5. Select File > Save All to save the changes to the application.

Deploying the Modified HelloWorld Composite Application

6. In the JDeveloper window, redeploy the modified HelloWorld project by performing the following steps:
   a. In the Application Navigator, right-click the HelloWorld project name and select Deploy > HelloWorld to IntegratedWebLogicServer.
   b. In the Deployment – Log window, observe the log messages to ensure that deployment was successful.

Testing the Modified HelloWorld Composite Application

7. Restore or re-open your browser and access Enterprise Manager. (The URL is http://localhost:7101/em. Log in as `weblogic` with the password `welcome1`.)

   Enterprise Manager opens.

8. In the Target Navigation pane, expand the SOA > soa-infra > default nodes in the tree and click the “HelloWorld [1.0]” link.
9. Supply test data.
   a. On the “HelloWorld [1.0]” page, click Test.
   b. In the Input Arguments section, in Tree View mode, enter the following values:

custID:	`1`
ID:	`2`
payOption:	`credit`
shipChoice:	`two_day`
status:	`Initial`
ccType:	`AMCD`

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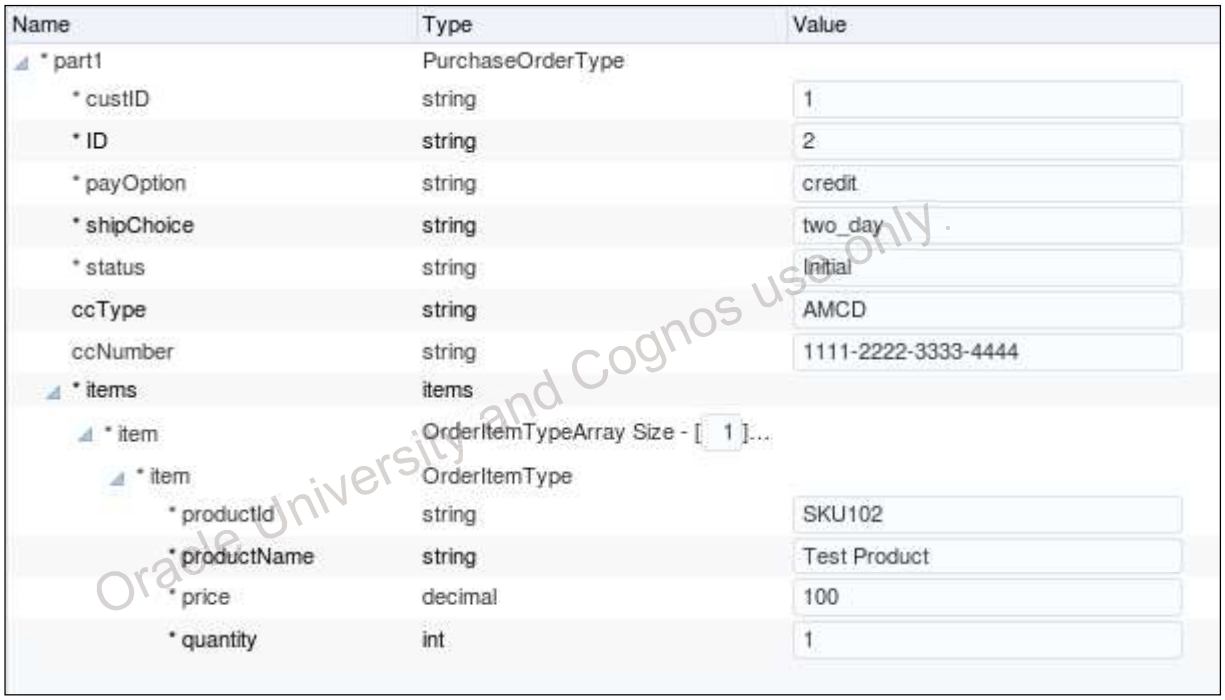
ccNumber:	1111-2222-3333-4444

c. While still in Tree View mode, expand the “items” field, and in the item field, enter the value `1` in OrderItemTypeArray Size. Click the Refresh icon.

d. Expand the OrderItemTypeArray item and the OrderItemType item, and enter the following field values:

productId:	SKU102
productName:	Test Product
price:	100
quantity:	1

e. Verify your input.



10. Click Test Web Service.

    The web service is tested. The “HelloWorld [1.0]” Response tab page is displayed. The message “Request successfully received.” is displayed.

11. In JDeveloper, open the file `/home/oracle/labs/output/newfiles/order_1.xml`.

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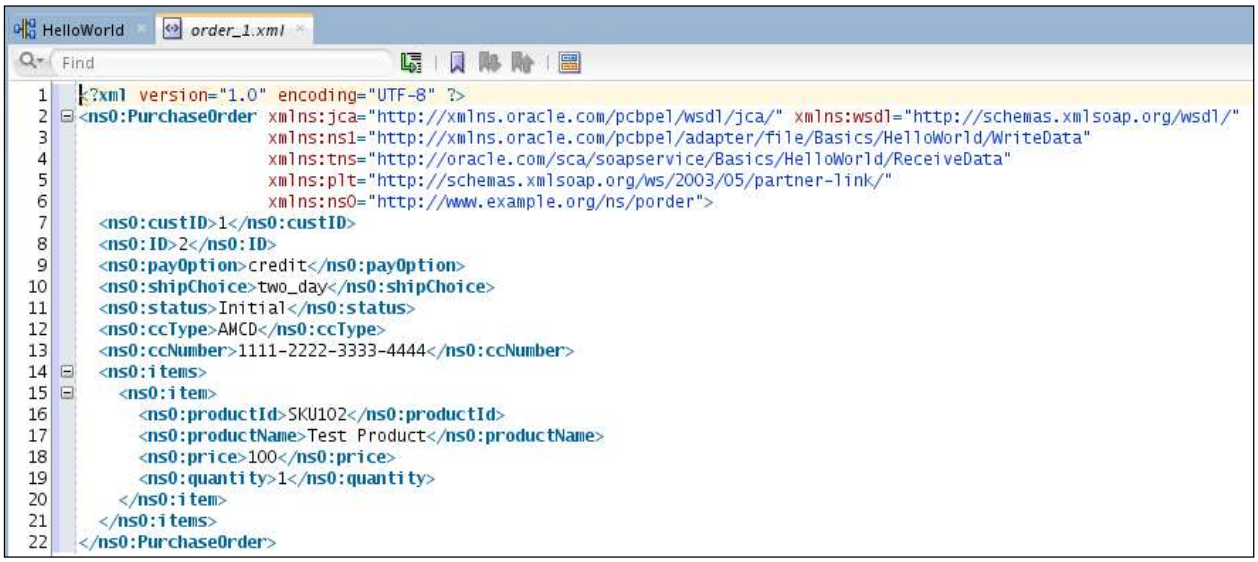
12. Verify that the file contains the values entered in the test page form fields.



13. In JDeveloper, close the `order_1.xml` file.
14. Close or minimize the open browser windows.

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