Practice 3-3: Generating and Validating a Configuration Plan

Overview

As you move projects from one environment to another (for example, from testing to production), you typically must modify several environment-specific values, such as JDBC connection strings, host names of various servers, and so on. Configuration plans enable you to modify these values by using a single text (XML) file. The configuration plan is created in either Oracle JDeveloper or from the command line. During process deployment, the configuration plan is used to search the SOA project for values that must be replaced to adapt the project to the next target environment.
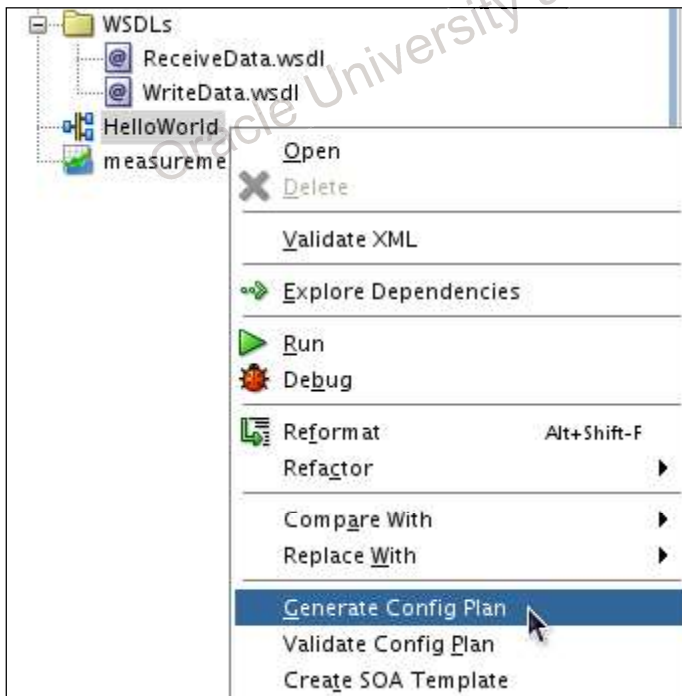
In this practice, you create a configuration plan for the HelloWorld composite application to replace the destination directory for the `orderfiles` logical name reference property. After you verify the configuration plan, you redeploy the composite application by using the Enterprise Manager web interface and applying the configuration plan, and then verify and test the changes.
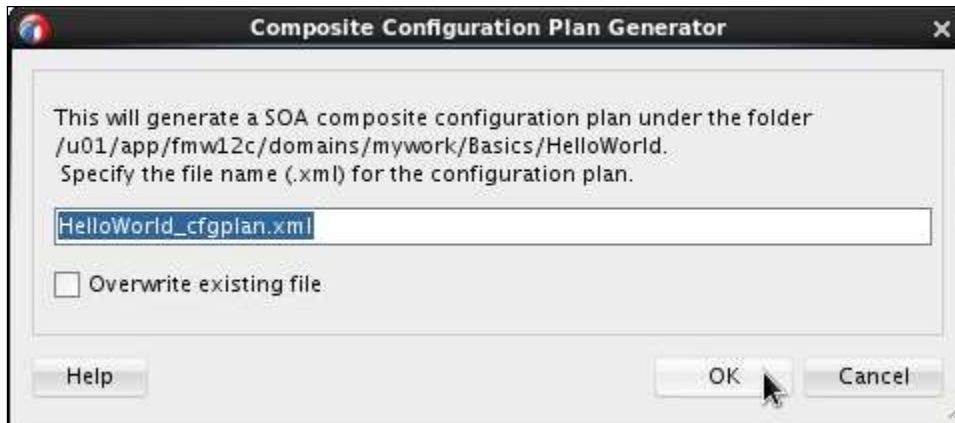
Assumptions

This practice assumes that you have completed Practice 3-2 successfully.

Tasks

1. Generate a configuration plan.

    a. In the Application Navigator, expand the HelloWorld project.

    b. Right-click HelloWorld (the `composite.xml` file) and select Generate Config Plan.

c. In the Composite Configuration Plan Generator dialog box, accept the default plan file name. Click OK.

JDeveloper opens the `HelloWorld_cfgplan.xml` file in its own tabbed window.

2. Modify the configuration plan.

a. In the `HelloWorld_cfgplan.xml` window, scroll down until you locate the `<reference name="WriteData">` element.

b. Change the value `/home/oracle/labs/output/newfiles` to `/home/oracle/labs/output/podata`.
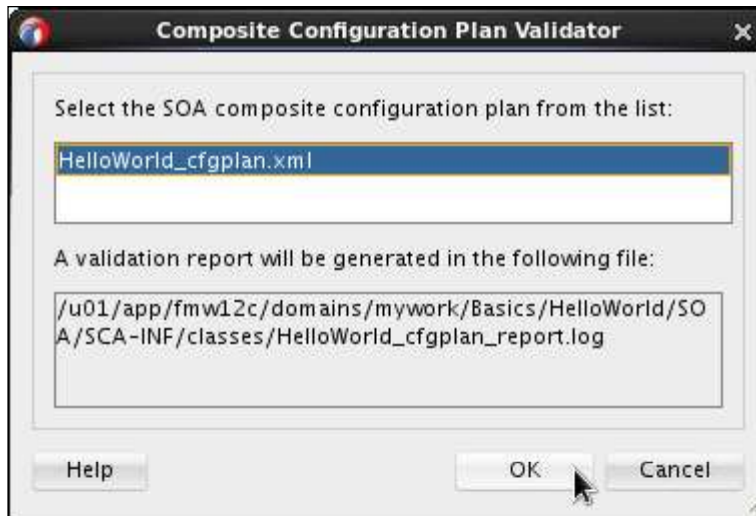
c. Compare your file to the following screenshot:

d. Save your work.

3. Validate the configuration plan.

a. In the Application Navigator, right-click HelloWorld (the `composite.xml` file) and select Validate Config Plan.

b.   In the Composite Configuration Plan Validator dialog box, accept the default selection and click OK.

c.   In the `HelloWorld_cfgplan_report.log` window, verify that the `orderfiles` Reference Property is replaced with the new value of `/home/oracle/labs/output/podata` that is specified in the configuration plan that is being validated.

In JDeveloper, close the configuration plan `.xml` and `.log` files.