Practices for Lesson 4: Deploy Applications for Oracle SOA Suite on Marketplace

Overview

In these practices, you will learn how to deploy an application to an Oracle SOA Suite on Marketplace instance by using Fusion Middleware Control, and the WebLogic Server Administration Console.

Practice 4-1: Deploy an Application by Using Oracle Enterprise Manager Fusion Middleware Control

Overview

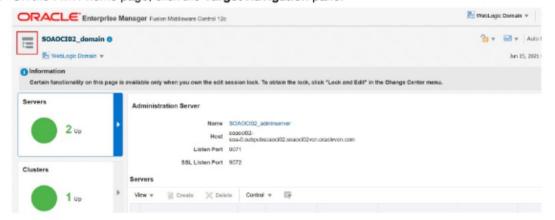
In this practice, you will use Oracle Enterprise Manager Fusion Middleware Control to deploy an application.

Assumptions

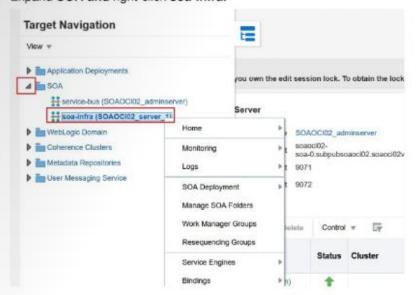
You have downloaded sca_SayHello.jar, sca_SayHello_rev1.0.jar, and benefits.war as part of course lab files.

Tasks

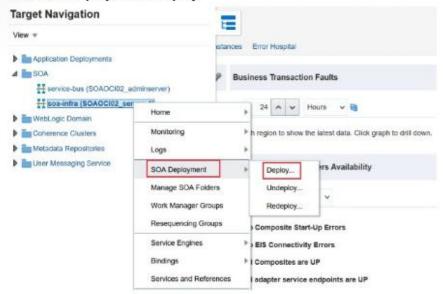
1. On the FMW home page, click the Target Navigation pane.



2. Expand SOA and right-click soa-infra.



3. Click SOA Deployment > Deploy.



4. The Deploy SOA Composite page is displayed.



 On the Deploy SOA Composite page, click Choose File and select the sca_SayHello_rev1.0.jar file. This file is available as part of the course lab files. Click Next.



6. On the Select Target page, select the default SOA folder, and then click Next.



7. On the Confirmation page, click Deploy.

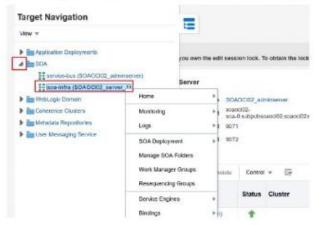


8. The deployment is successful and click Close.

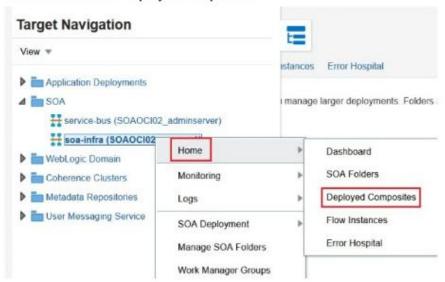


Testing an Application in FMW Console:

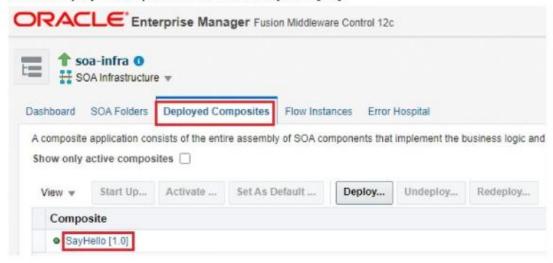
1. In the Target Navigation pane, expand SOA, and right-click soa-infra.



Next choose Home→Deployed Composites.



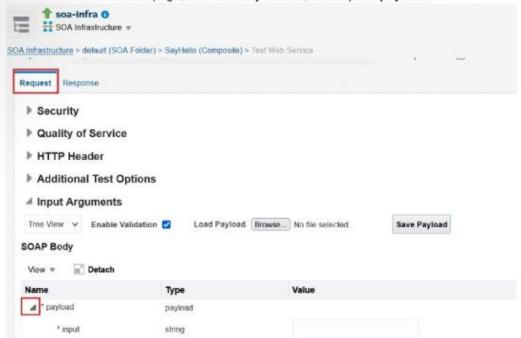
3. Click the Deployed Composites tab and click SayHello [1.0].



4. Click Test.



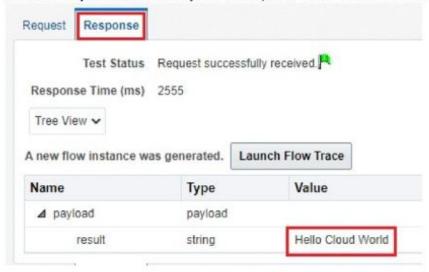
5. On the Test Web Service page, click the Request tab, and expand payload.



6. Enter the "Cloud World" message in the text field, and then click Test Web Service.



7. Click the Response tab and verify that the response text is "Hello Cloud World."



This completes the task of deploying and testing an application using Oracle Enterprise Manager Fusion Middleware console.

Practice 4-2: Deploy an Application by Using WebLogic Server Administration Console

Overview

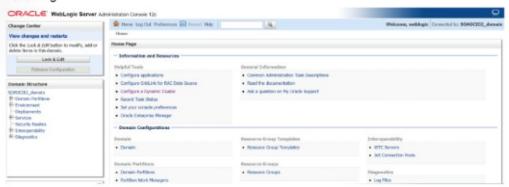
In this practice, you will use the WebLogic Server Administration Console to deploy and access the deployed application through a browser.

Assumptions

You have completed all the previous practices successfully.

Tasks

- Access the WebLogic Administration Console using the URL https://132.145.191.58:7002/console (this is an example URL in our case and it will be different for you) and provide the username as "weblogic" and password as "Wwelcome#123", and then click "Login."
- It displays the WebLogic Server Administration console home page as shown in the following:



Click Lock & Edit.



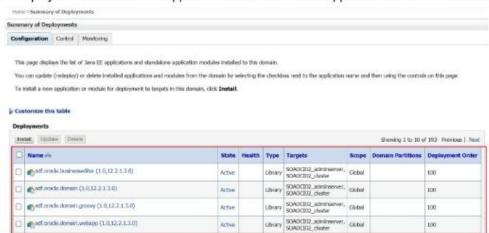
4. Under Domain Structure, click Deployments.







5. It displays the list of Java EE applications and stand-alone application modules installed.



6. Under Deployments, click the Install button.



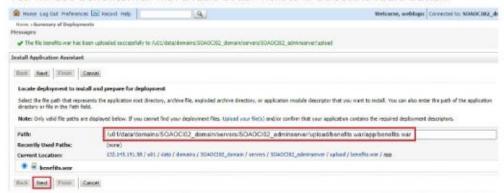
7. In the Install Application Assistant page, click on upload your file(s)



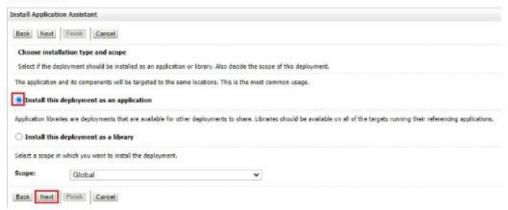
For Deployment archive, choose the benefits.war file from the Labs folder available in the local system and click Next.



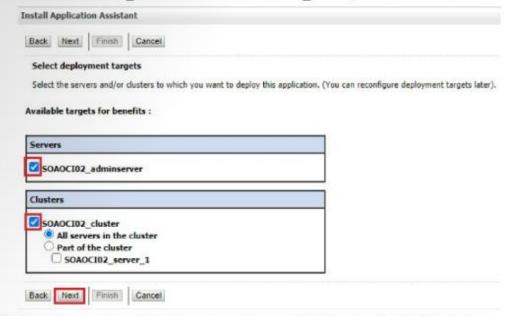
9. You will see benefits.war with a radio button next to it. Select the radio button.



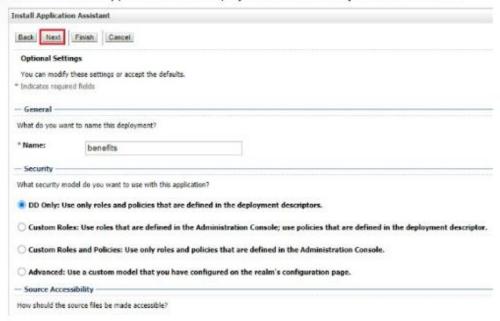
 On the next screen, ensure that Install this deployment as an application is selected and click Next.



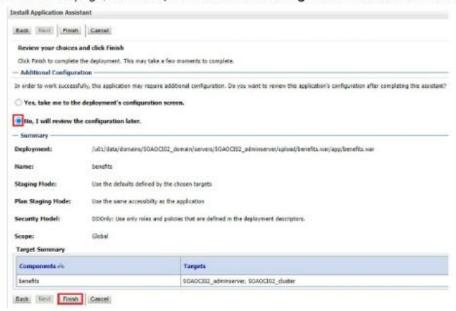
11. Select SOAOCI02_adminserver and SOAOCI02_cluster, and then click Next.



12. You can see an application name displayed as "benefits" by default. Click Next.



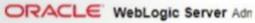
13. In the next page, select No, I will review the configuration later. Click Finish.



14. Notice the messages that the deployment has been successfully installed.



 After the deployment, the changes must be activated in the Change Center. Click Activate Changes.





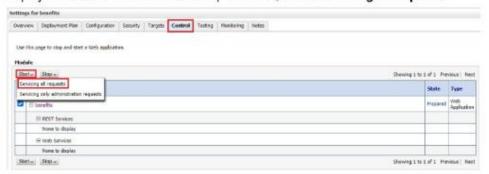
16. Notice the message that the changes have been activated and the benefits application listed in the deployments table is now in the "Prepared" state.



17. Click the link to the benefits application in the deployments table.



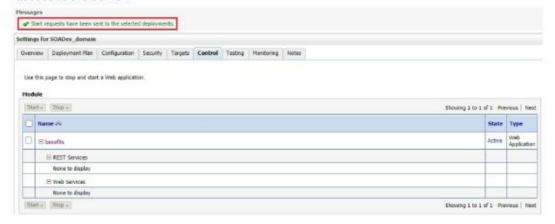
18. Click the Control tab and select the check box to the left of the benefits application in the Deployments table. From the Start drop-down list, select Servicing all requests.



19. Click Yes to continue.



20. A message is displayed indicating a start request was sent. You can see that the state of the benefits application is "Active." It means application is available to those that have access to the server.



Access the Oracle SOA Suite instance deployed application:

- 1. To access the newly deployed web application, perform the following steps:
 - In another tab of your browser, enter the WebLogic URL followed by context-root, that is, /benefits.

Example: https://132.145.191.58:7002/benefits

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You can also find the context-root from the **Overview** tab of the **benefits** application in WebLogic Administration console



b. It displays the home page of the dizzy managed server.



 Select "View Health Care Options" and "View Vacation Schedule," and click the Get Information button.

Welcome To Dizzyworld

Select What Benefits You Would Like To See



d. It displays the output as shown below:

Dizzyworld Vacation Schedule

New Year's Day Holiday, January 2, 2012 Memorial Day, May 28, 2012 Independence Day, July 4, 2012 Labor Day, September 3, 2012 Thanksgiving Day, November 22, 2012 Day after Thanksgiving, November 23, 2012 Christmas Eve, December 24, 2012 Christmas Day, December 25, 2012

Dizzyworld Health Benefits

Blue Cross and Blue Shield Matthew Thornton Health Plan

Back To Home Page

e. Click the Back To Home Page link to go back to the Home page.

This completes the task of deploying and testing an application using WebLogic Server Administration Console.