Appendix M Deploying SOBA on WebLogic 12c R1

This appendix helps readers deploy SOBA on WebLogic. First, follow the instructions detailed in Chapter 2 and Appendix E to: 1) set up your MySQL and create the SOBA schema properly, and 2) build SOBA successfully in your environment. Then, follow the below steps to deploy SOBA 3.2 (Maven version) on WebLogic 12c R1.

Step 1: Install WebLogic 12c R1 with the features as shown in Figure M.1selected.

Step 2: In SOBA's `web.xml` file, make sure that the "*default*" servlet is set properly for the WebLogic 12c R1 using its *FileServlet* as shown below (if you don't make this change, SOBA would still work except that jpg files will not be rendered properly):

```
<!—DefaultServlet for WebLogic 12R1 -->
<servlet>
     <servlet-name>DefaultServlet</servlet-name>
     <servlet-class>weblogic.servlet.FileServlet</servlet-class>
  </servlet>
   <servlet-mapping>
      <servlet-name>DefaultServlet</servlet-name>
      <url-pattern>*.jpg</url-pattern>
<!--  necessary in order to run SOBA on glassfish and jboss (also works on tomcat)
<servlet>
     <servlet-name>DefaultServlet</servlet-name>
     <servlet-class>org.apache.catalina.servlets.DefaultServlet</servlet-class>
  </servlet>
   <servlet-mapping>
      <servlet-name>DefaultServlet</servlet-name>
      <url-pattern>*.jpg</url-pattern>
   </servlet-mapping>
-->
```

```
<!—this is the default servlet mapping on Tomcat
  <servlet-mapping>
      <servlet-name>default</servlet-name>
      <url-pattern>*.jpg</url-pattern>
  </servlet-mapping>
  <servlet-mapping>
      <servlet-name>default</servlet-name>
      <url-pattern>*.gif</url-pattern>
  </servlet-mapping>
-->
```

Step 3: Configure SOBA to use HTTP rather than HTTPS on WebLogic. Edit the `soba-security.xml` file and remove the attribute "`requires-channel="https`" from the `<intercept-url pattern="/**" requires-channel="https"/>` XML elementto make it look like

```
<intercept-url pattern="/**" />
```

Step 4: Locate the *soba3.2-3.2-mvn* directory from your *target* directory built with Maven. Copy it to the *<WebLogic_Install>\user_projects\domains\base_domain\autodeploy* directory and rename it to *soba* (note that *base_domain* is the domain you set up when installing WebLogic).

Step 5: Change to your *base_domain* directory and start your WebLogic server as follows:

```
base_domain> bin\startWebLogic.cmd
```

Step 6: Try http://localhost:7001/console and you should see the WebLogic server admin console as shown in Figure M.2 (note that you need to change the default port number of 7001 if you chose a different port number during your WebLogic installation process). Log into the admin console with your credentials (like *weblogic/weblogic1211* in my case). After clicking on *deployments* under *domain structure*, you should see that SOBA has been deployed successfully with a green check-mark there. Otherwise, check the SOBA log file of *soba.log* located in *user_projects\domains\log\soba*. Or, if you need help, please send this file to me via email.

Step 7: If step 6 is successful, click one of the test points under the *Testing* tab as shown in Figure M.3. You should see the SOBA login page as shown in Figure M.4. That's all about how to deploy SOBA on WebLogic 12c R1.
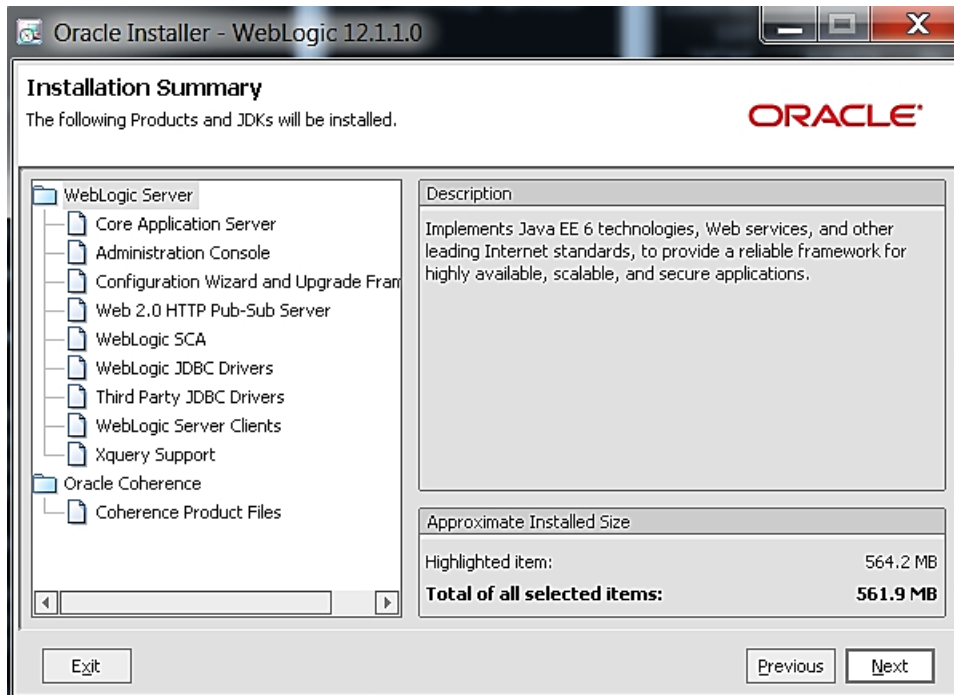
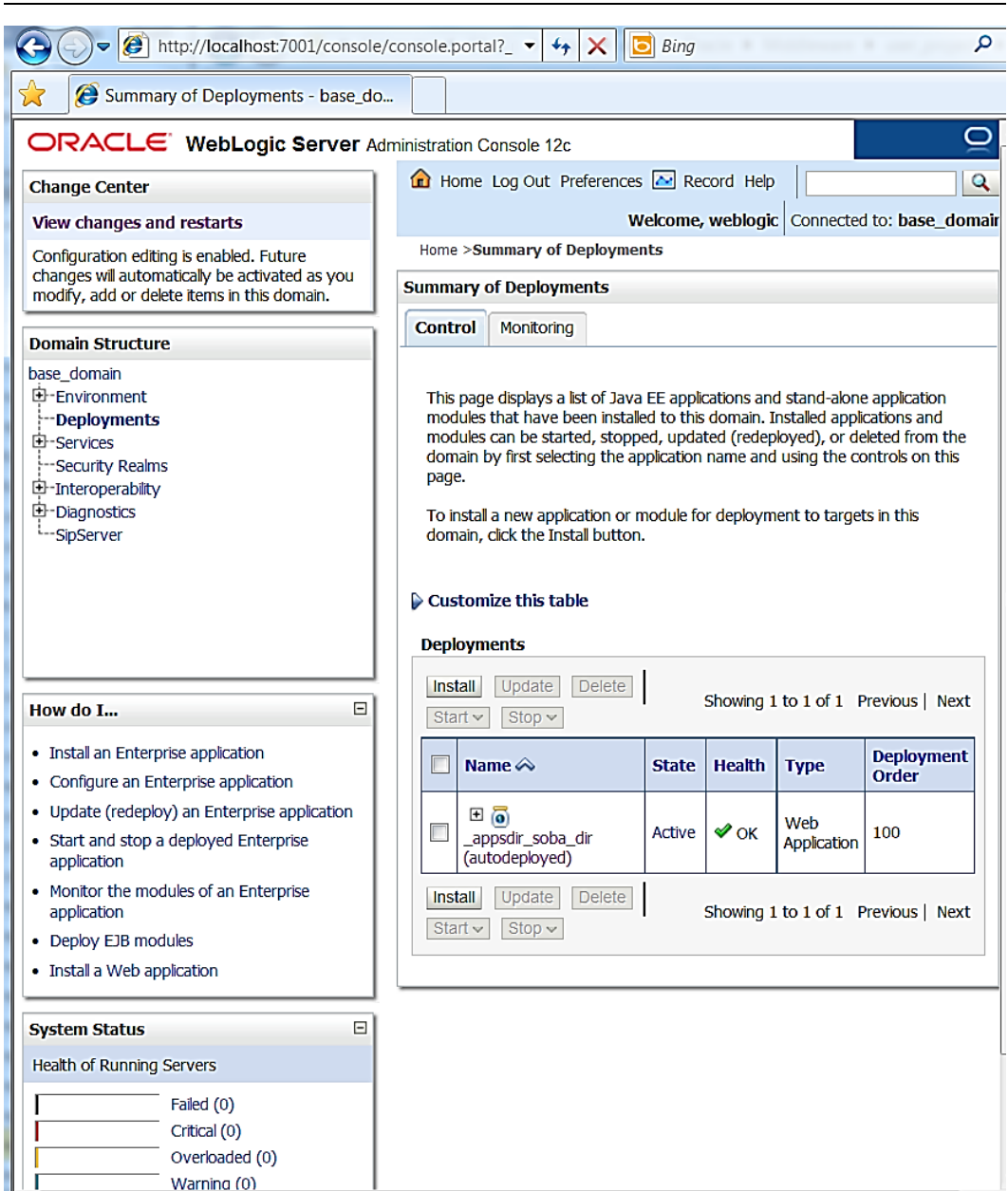**Figure M.1** Installed features with WebLogic 12c R1

Figure M.2 WebLogic server admin console

Settings for _appsdir_soba_dir

| Overview | Control | **Testing** | Monitoring |

Some deployment types support test points you can use to verify that a deployment was successful and that the module is ready for use.

The following table includes all of the test points available for this application or module.

Deployment Tests

Showing 1 to 1 of 1   Previous | Next

Name ⌃	Test Point	Comments
⊟ _appsdir_soba_dir		
/wls-cat/index.jsp	Classloader Analysis Tool	Classloader Analysis Tool on server AdminServer
default	http://172.28.64.13:7001/soba	Default url on server AdminServer
login.jsp	http://172.28.64.13:7001/soba/login.jsp	Welcome file login.jsp on server AdminServer

Showing 1 to 1 of 1   Previous | Next
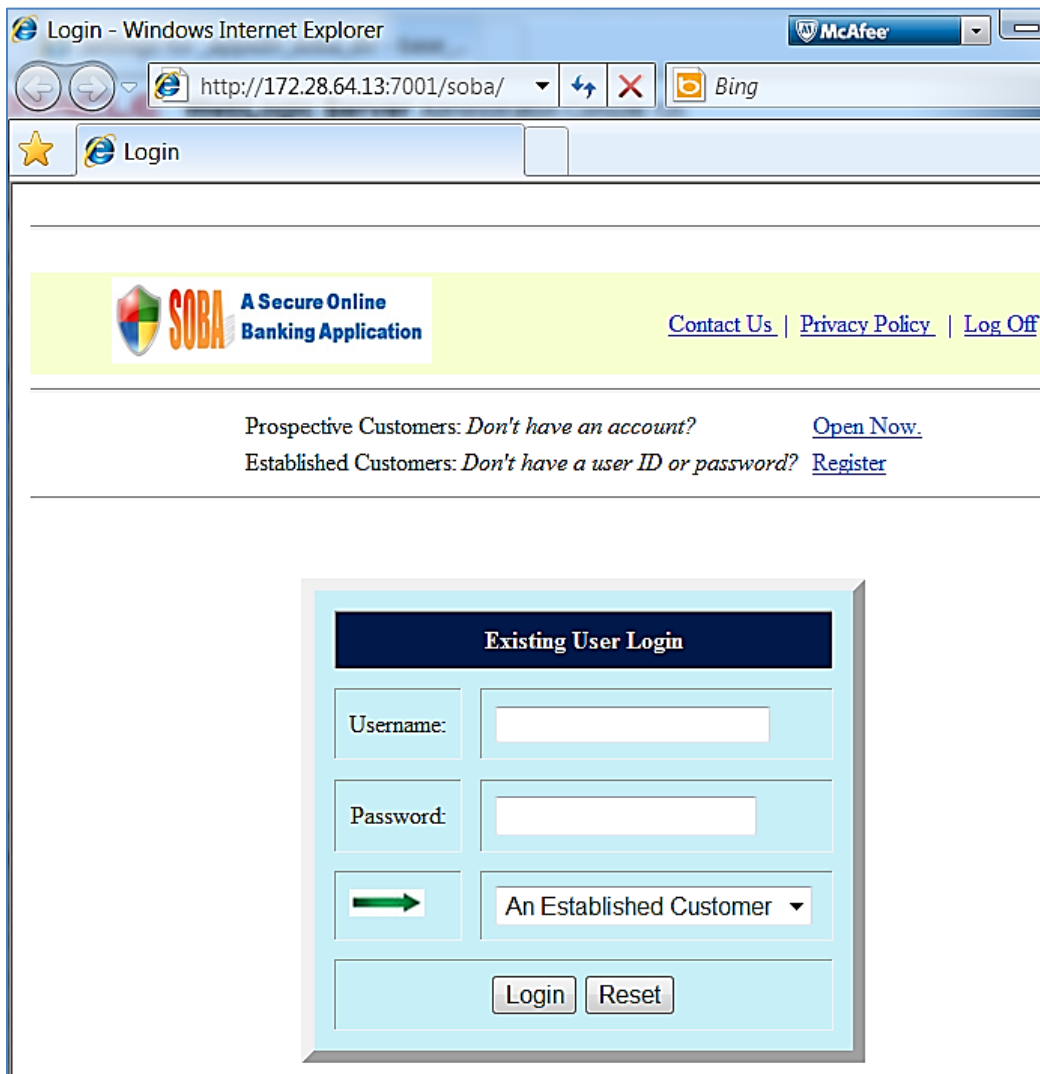
Figure M.3 Testing tab for SOBA on the WebLogic admin console

Figure M.4 The login page of SOBA on WebLogic 12c R1