Oracle® Retail Clearance Optimization Engine

Release Notes

Release 13.3.1

June 2012

Oracle Retail Clearance Optimization Engine (COE) Release 13.3.1 is a patch release for COE 13.3. COE 13.3.1 includes selected defect fixes for COE 13.3 code.

Oracle Customer Support investigates submitted issues assuming that all released updates have been applied. It is the customer's decision when to apply a new release; however, delays in applying updates can complicate the support process.

About Patch Releases

Oracle Retail patch releases are periodic releases that can include the following:

- New defect fixes and technical enhancements.

Documentation for patch releases includes the following:

- New and updated guides (for example, operations and user guides) that apply to the patch release level. These documents include all updates made since the last patch release. Documents revised for this patch release supersede and replace all previous document versions. See "Related Documents" for a list of the documents published for COE 13.3.1.

See the *Oracle Retail Clearance Optimization Engine Installation Guide* for Release 13.3.1 for instructions about how to apply the defect fixes and enhancements that you have not already applied.

Hardware and Software Requirements

See the *Oracle Retail Clearance Optimization Engine Installation Guide* for information about the following:

- Hardware and software requirements.
- Oracle Retail application software compatibility.

Upgrading to this Release of Clearance Optimization Engine

For more information on upgrading to COE Release 13.3.1, see the *Oracle Retail Clearance Optimization Engine* Installation Guide.

Table 1 Package Matrix Build IDs

Component Name	Version Number
COE 13.3.1	RGBUMDOCOE_13.3.1.0_GENERIC_120601.1807
Framework 3.5.1	RGBUMPOFRAMEWORK_3.5.1.0_GENERIC_120601.1157
Installer 3.5.1	RGBUMPOINSTALLER_3.5.1.0_GENERIC_120601.1556
Suite 3.5.1	RGBUMPOSUITE_3.5.1.0_GENERIC_120601.1536
Enginepkg 5.6.5	RGBUMPOCALCENGINEPKG_5.6.5.0_GENERIC_120601.0033
APC-MDO 13.3.0	RGBUAPCMDO_13.3.0.0_GENERIC_111216.0132

Technical Enhancements

The following are technical enhancements for Oracle Retail Clearance Optimization Engine Release 13.3.1.

Software Operating Environment Upgrades

The following are enhancements to the software operating environment options for COE 13.3.1:

- Oracle JRockit R28 (Java 6)

  COE Release 13.3.1 is supported for use with the Oracle JRockit R28 implementation of Java 6 for Oracle Linux 64-bit and Oracle Solaris 64-bit operating systems.

- Oracle Enterprise Linux 5 update 8

  COE now supports the use of Oracle Enterprise Linux 5 update 8 operating system.

Noteworthy Defect Fixes

The following noteworthy defects have been fixed in this release:

Defect	Description
13709066	There were issues with Reference price when the GenuineBaysian base demand estimation was used. These issues are fixed.
13735921	The issues with blacklisted string filtering in sql statements are fixed.
13928627	The message strings, for Standard Configuration, are modified to meet standards and recommendations set by the Oracle Worldwide Product Translation Group.
14029647	The message strings, for Common Components, are modified to meet standards and recommendations set by the Oracle Worldwide Product Translation Group.
14029651	The message strings, for Cacl Engine, are modified to meet standards and recommendations set by the Oracle Worldwide Product Translation Group.

Known Issue

COE web service can be enabled with Security (digital signatures and encryption). It uses WebLogic WS-Policy files for enabling message-level security.

Due to a defect 14098718 in WebLogic 10.3.5, the WebLogic console page that allows the user to associate WS-Policy files to a web service is broken if the Oracle Web service Security Manager (OWSM) is not installed in the Middleware home. OWSM is part of SOA Suite and is not required for the COE application. COE Web service only uses WebLogic WS-Security.

The following section describes the workaround to associate the WS-Policy files to COE web service security.

Note: The user must still follow the *COE Installation Guide* and WebLogic documentation to complete the rest of the steps for enabling security for COE web service including:

- Enabling and configuring WebLogic Security providers
- Authentication provider
- Mapping credential

Workaround to Associate a WS-Policy file with COE Web Service

This workaround is to associate a deployment plan for the COE application, Price, that defines what policy files to associate with the COE web service operations.

This deployment plan (plan.xml) associates:

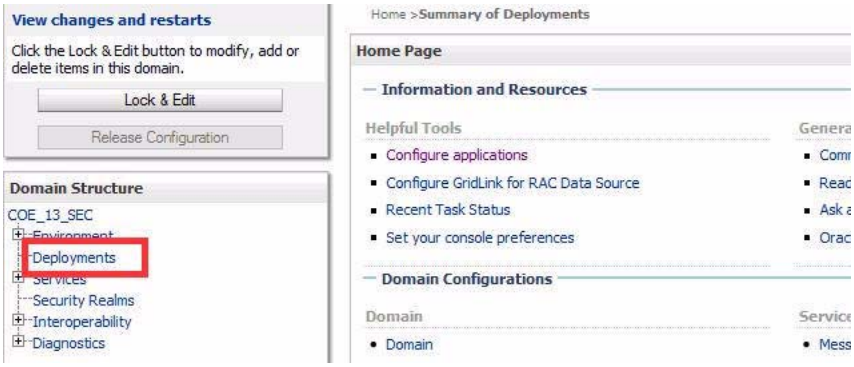
- WS-Policy Encrypt.xml and Sign.xml to the COE web service ClearanceOptimizationServiceSoapHttpPort for both Inbound and Outbound.
- WS-Policy Auth.xml to the COE web service ClearanceOptimizationServiceSoapHttpPort for Inbound messages for both getForecast and getVersion operations.

Note: The COE application must be already installed.

The instructions to apply this workaround are below.

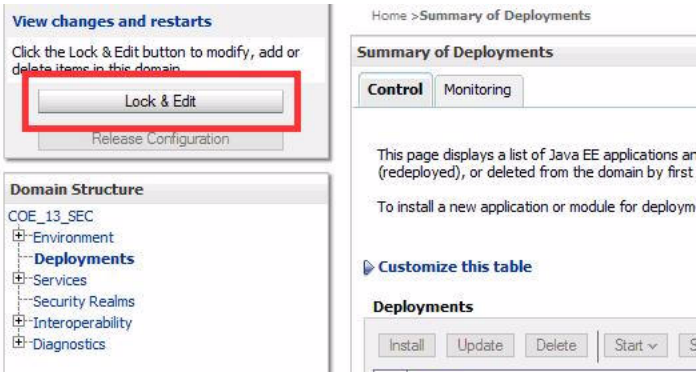
1. Create a new XML file. See Sample XML text for the contents of the XML file.
2. Save the XML file to the location where the WebLogic server is installed for COE, on the Server.
3. Log into the WebLogic admin console.
4. On the Summary of Deployments screen, click **Deployments** in the Domain Structure section.

Figure 1 Summary of Deplyoments > Domain Structure > Deployments



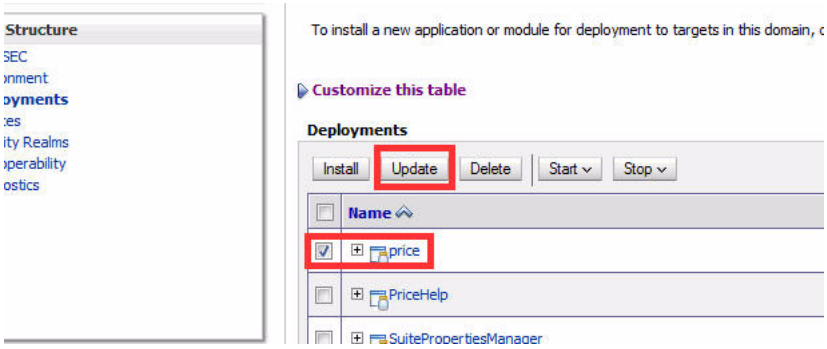
5. Under View changes and restarts, click **Lock & Edit** to modify the domain.

Figure 2 Summary of Deployments > View changes and restarts > Lock & Edit



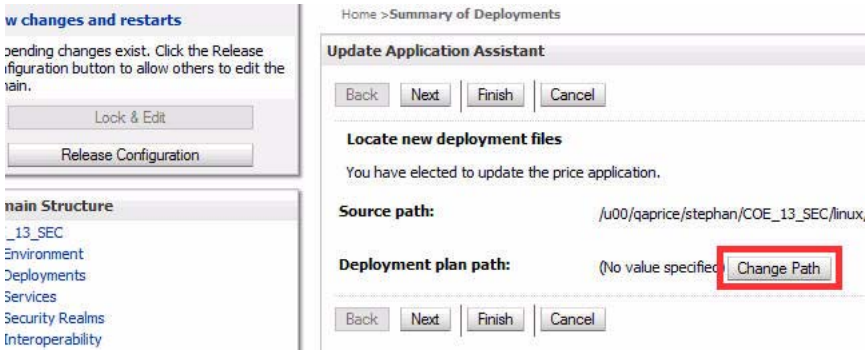
6. In the Deployments section, select the check box for the deployment "price", and click **Update**.

Figure 3 Summary of Deployments > Customize this table



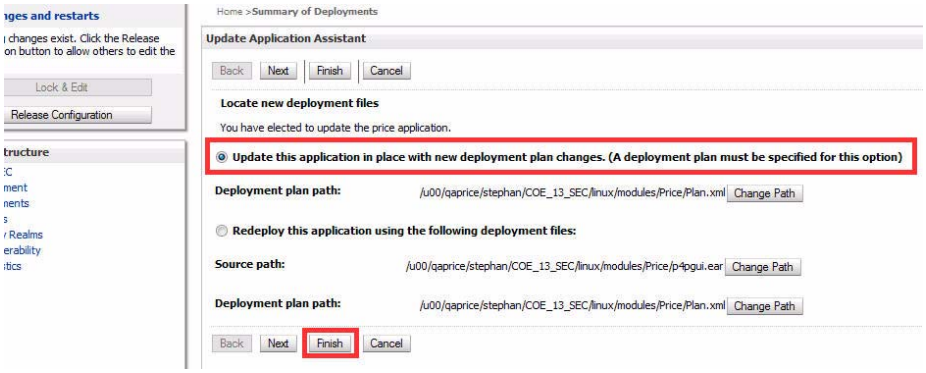
7. In the Update Application Assistant section, click **Change Path** in the Deployment plan path section.

Figure 4 Summary of Deployments > Update Application Assistant



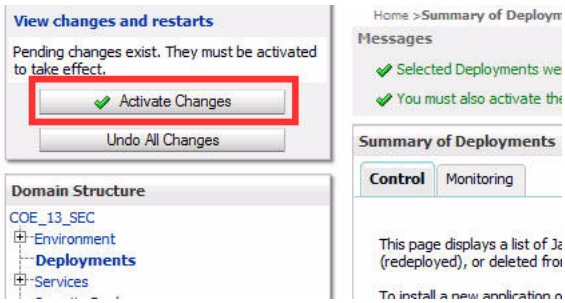
8. Navigate to the location where the XML file has been saved. Refer to step 2 for the location.
9. Select the XML file, and click **Next**.
10. In the Locate new deployment files section, select "Update this application in place with new deployment plan changes." radio button, and click **Finish**.

Figure 5 Summary of Deployments > Update Application Assistant



11. In the View changes and restarts section, click **Activate Changes** to release the domain from Lock & Edit mode. Restart the server, if needed.

Figure 6 Summary of Deployments > Activate Changes



Sample XML text

Example 1 Sample XML text

```
<?xml version='1.0' encoding='UTF-8'?>
<deployment-plan xmlns="http://xmlns.oracle.com/weblogic/deployment-plan"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:schemaLocation="http://xmlns.oracle.com/weblogic/deployment-plan
http://xmlns.oracle.com/weblogic/deployment-plan/1.0/deployment-plan.xsd">
  <application-name>Price</application-name>
  <variable-definition>
    <variable>
      <name>WsPolicy_policy:Encrypt.xml</name>
      <value>both</value>
    </variable>
    <variable>
      <name>WsPolicy_policy:Sign.xml</name>
      <value>both</value>
    </variable>
    <variable>
      <name>WsPolicy_policy:Auth.xml</name>
      <value>inbound</value>
    </variable>
    <variable>
      <name>WsPolicy_policy:Auth.xml</name>
      <value>inbound</value>
    </variable>
  </variable-definition>
  <module-override>
    <module-name>p4pgui.ear</module-name>
    <module-type>ear</module-type>
    <module-descriptor external="false">
      <root-element>weblogic-application</root-element>
      <uri>META-INF/weblogic-application.xml</uri>
    </module-descriptor>
    <module-descriptor external="false">
      <root-element>application</root-element>
      <uri>META-INF/application.xml</uri>
    </module-descriptor>
    <module-descriptor external="true">
      <root-element>wldf-resource</root-element>
```

```
      <uri>META-INF/weblogic-diagnostics.xml</uri>
    </module-descriptor>
  </module-override>
  <module-override>
    <module-name>p4pgui.war</module-name>
    <module-type>war</module-type>
    <module-descriptor external="false">
      <root-element>weblogic-web-app</root-element>
      <uri>WEB-INF/weblogic.xml</uri>
    </module-descriptor>
    <module-descriptor external="false">
      <root-element>web-app</root-element>
      <uri>WEB-INF/web.xml</uri>
    </module-descriptor>
  </module-override>
  <module-override>
    <module-name>ClearanceOptimizationService_v3.war</module-name>
    <module-type>war</module-type>
    <module-descriptor external="false">
      <root-element>weblogic-web-app</root-element>
      <uri>WEB-INF/weblogic.xml</uri>
    </module-descriptor>
    <module-descriptor external="false">
      <root-element>web-app</root-element>
      <uri>WEB-INF/web.xml</uri>
    </module-descriptor>
    <module-descriptor external="false">
      <root-element>weblogic-webservices</root-element>
      <uri>WEB-INF/weblogic-webservices.xml</uri>
    </module-descriptor>
    <module-descriptor external="false">
      <root-element>webservices</root-element>
      <uri>WEB-INF/webservices.xml</uri>
    </module-descriptor>
    <module-descriptor external="false">
      <root-element>webservice-policy-ref</root-element>
      <uri>WEB-INF/weblogic-webservices-policy.xml</uri>
      <variable-assignment>
        <name>WsPolicy_policy:Encrypt.xml</name>

<xpath>/webservice-policy-ref/port-policy/[port-name="ClearanceOptimizationService
SoapHttpPort"]/ws-policy/[uri="policy:Encrypt.xml"]/direction</xpath>
      </variable-assignment>
      <variable-assignment>
        <name>WsPolicy_policy:Sign.xml</name>

<xpath>/webservice-policy-ref/port-policy/[port-name="ClearanceOptimizationService
SoapHttpPort"]/ws-policy/[uri="policy:Sign.xml"]/direction</xpath>
      </variable-assignment>
      <variable-assignment>
        <name>WsPolicy_policy:Auth.xml</name>

<xpath>/webservice-policy-ref/operation-policy/[operation-name="getForecast",servi
ce-link="ClearanceOptimizationServiceSoapHttpPort"]/ws-policy/[uri="policy:Auth.xm
l"]/direction</xpath>
      </variable-assignment>
      <variable-assignment>
        <name>WsPolicy_policy:Auth.xml</name>
```

```
<xpath>/webservice-policy-ref/operation-policy/[operation-name="getVersion",servic
e-link="ClearanceOptimizationServiceSoapHttpPort"]/ws-policy/[uri="policy:Auth.xml
"]/direction</xpath>
      </variable-assignment>
    </module-descriptor>
  </module-override>
</deployment-plan>
```

Related Documents

For more information, see the following documents in the Oracle Retail Clearance Optimization Engine Release 13.3.1 documentation set:

- *Oracle Retail Clearance Optimization Engine Installation Guide*.

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