

# Oracle® Retail Clearance Optimization Engine

Release Notes

Release 14.0

E50813-01

December 2013

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Welcome to Oracle Retail Clearance Optimization Engine Release 14.0. This document highlights the enhancements and fixed defects in this release. It includes the following sections:

- [Hardware and Software Requirements](#)
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**Note:** Installation media files for an Enterprise release (14.x) are available on the *Oracle Software Delivery Cloud Web site* (<http://edelivery.oracle.com>) and Patch releases (14.0.x) and Hot Fixes (14.0.x.y) are available on the *My Oracle Support Web site* (<https://support.oracle.com>).

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## Build IDs:

Component Name	Version Number
RGBUMDOCOE	RGBUMDOCOE_14.0.0.0_GENERIC_131021.1216
RGBUMPOFRAMEWORK	RGBUMPOFRAMEWORK_3.5.4.0_GENERIC_131021.1205
RGBUMPOINSTALLER	RGBUMPOINSTALLER_3.5.4.0_GENERIC_131021.1215
RGBUMPOSUITE	RGBUMPOSUITE_3.5.4.0_GENERIC_131021.1212
RGBUMPOCALCENGINE PKG	RGBUMPOCALCENGINEPKG_5.6.7.0_GENERIC_131021.0032
RGBUAPCMDO	RGBUAPCMDO_14.0.0.0_GENERIC_131021.0132

## Hardware and Software Requirements

For more information on the hardware and software requirements, see the *Oracle Retail Clearance Optimization Engine Installation Guide*.

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# Upgrading to Clearance Optimization Engine

For more information on upgrading to Clearance Optimization Engine Release 14.0, refer to the *Oracle Retail Clearance Optimization Engine Installation Guide*.

## Technical Enhancements

This release includes the following technical enhancements:

- [Oracle WebLogic Server Support](#)

### Oracle WebLogic Server Support

Oracle Retail Clearance Optimization Engine now supports the use of Oracle WebLogic Server 11g Release 2 (10.3.6), extended to use ADF 11.1.1.7, on the following operating systems:

Software	Requirement				
<b>Operating Systems (64-bit)</b>	Oracle Linux Release 6.0 Update 3, x86-64 based.	Oracle Solaris 11, SPARC-based	IBM AIX 6.1 Technology Level 6 (TL6) and IBM AIX 7.1 Technology Level 1 (TL1) Power processor -based.	HP-UX 11i v3 Update 7 (11.31), Itanium-based	Red Hat Enterprise Linux 6 Update 3
<b>JVM (64-bit)</b>	Oracle's JDK 7.0 Update 25.	Oracle's JDK 7.0 Update 25.	IBM JDK 1.7-SP5.	HP UX JDK 1.7.0-7ia	Oracle's JDK 7.0 Update 25.

## Noteworthy Defect Fixes

The following noteworthy defects have been fixed in this release:

Defect	Description
11691264	The Oracle Retail Markdown Optimization application hangs when searching for the seasonality at the chain level.
16663153	The MERCHANDISE_HIERARCHY_TBL.MERCHANDISE_DESC table is not updated
16674740	COM.PROFITLOGIC.DB.BIRCH.LOADPARAMETERS does not populate the POPULATE_CLIENT_SEARCH_LEVELS_TBL table correctly.
16684961	The group description is not displayed.
16702359	The COM.PROFITLOGIC.DB.BIRCH.LOADITEMS process fails when running more than one thread.
17341404	The Grid Designer encounters a runtime exception when saving changes to an xml file.
17617985	The price group names are not updated when the SENDBACK batch is run.

## 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 10.3.6, the WebLogic console page that lets the user associate WS-Policy files to a web service is broken if Oracle Web service Security Manager (OWSM) is not installed in the Middleware home. OWSM is part of SOA Suite and is not required for 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.

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**Note:** The user must still follow the COE Install 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
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## 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.

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**Note:** The COE application must be already installed.

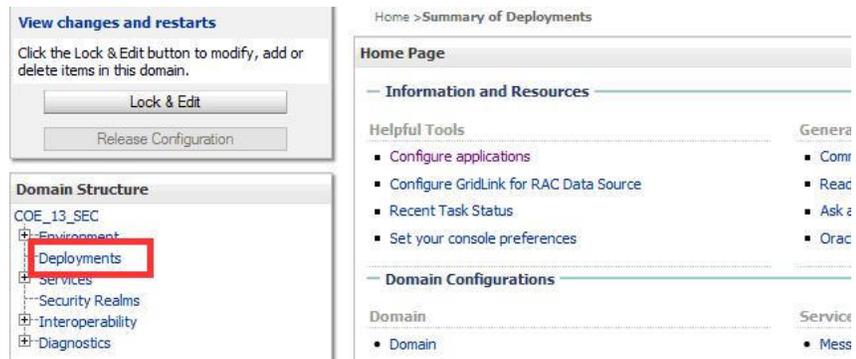
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Given below are the instructions to apply this workaround:

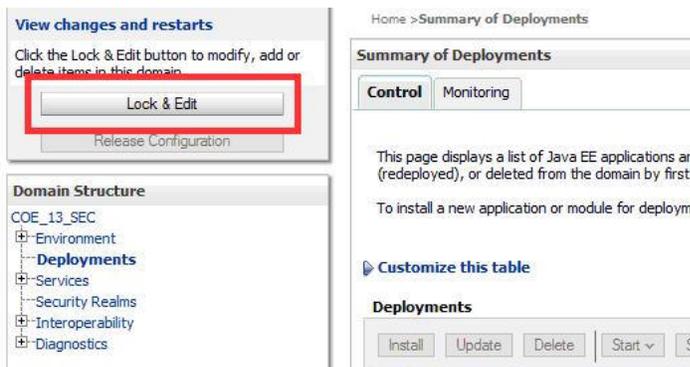
1. Create a new XML file. See [Sample XML text](#) for the contents of the XML file.
2. Save the XML file to the location where the WebLogic server is installed for COE, on the Server.
3. Log into the WebLogic admin console.
4. On the Summary of Deployments screen, click **Deployments** in the Domain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

**Figure 1 Summary of Deployments > Domain Structure > Deployments**



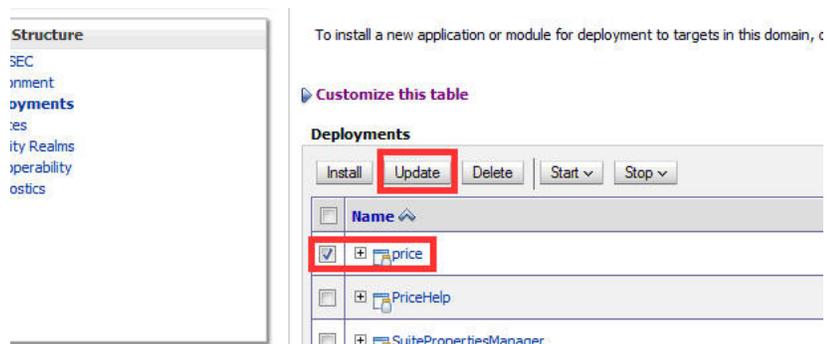
5. Under View changes and restarts, click **Lock & Edit** to modify the domain.

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



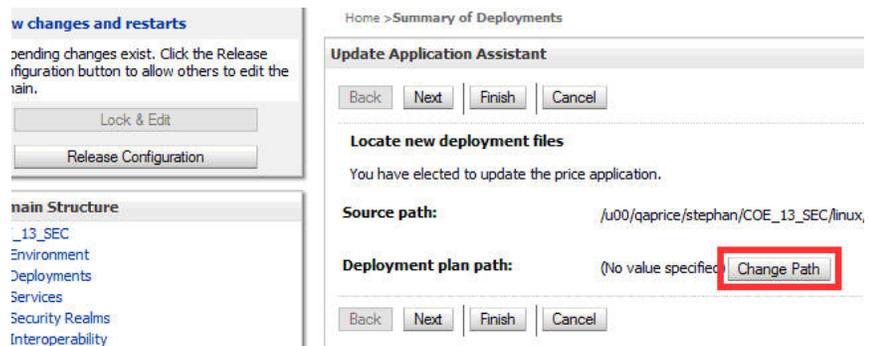
6. In the Deployments section, select the check box for the deployment “price”, and click **Update**.

**Figure 3 Summary of Deployments > Customize this table**



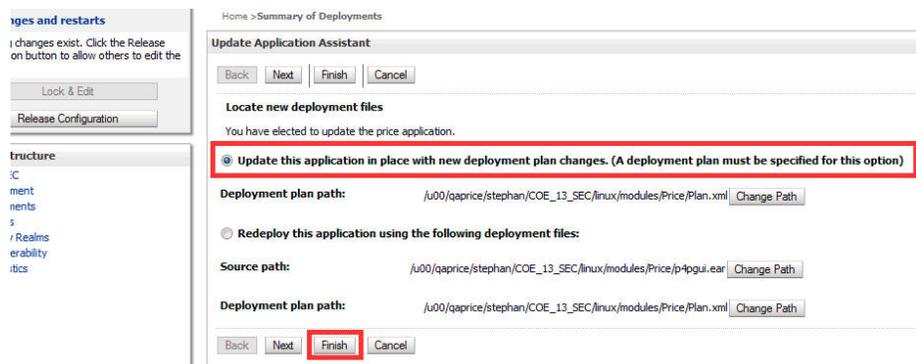
7. In the Update Application Assistant section, click **Change Path** in the Deployment plan path section.

**Figure 4 Summary of Deployments > Update Application Assistant**



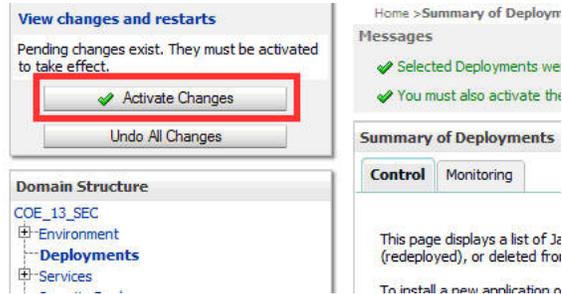
8. Navigate to the location where the XML file has been saved. Refer to step 2 for the location.
9. Select the XML file, and click **Next**.
10. In the Locate new deployment files section, select "Update this application in place with new deployment plan changes." radio button, and click **Finish**.

**Figure 5 Summary of Deployments > Update Application Assistant**



- 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>
    </module-descriptor>
  </module-override>
</deployment-plan>
```

```

        <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", service-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 14.0 documentation set:

- *Oracle Retail Clearance Optimization Engine Administration Guide*
- *Oracle Retail Clearance Optimization Engine Configuration Guide*
- *Oracle Retail Clearance Optimization Engine Data Model*
- *Oracle Retail Clearance Optimization Engine Grid Designer User Guide*
- *Oracle Retail Clearance Optimization Engine Grid Designer Online Help*
- *Oracle Retail Clearance Optimization Engine Implementation Guide*
- *Oracle Retail Clearance Optimization Engine Installation Guide*
- *Oracle Retail Clearance Optimization Engine Online Help*
- *Oracle Retail Clearance Optimization Engine Operations Guide*
- *Oracle Retail Clearance Optimization Engine User Guide*
- Oracle Retail Licensing Information Guide

## Supplemental Training on My Oracle Support

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E50813-01

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