

# Oracle® Retail Clearance Optimization Engine

Release Notes

Release 13.4

E38450-01

December 2012

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Welcome to Oracle Retail Clearance Optimization Engine Release 13.4. 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 (13.x) are available on the *Oracle Software Delivery Cloud* Web site (<http://edelivery.oracle.com>) and Patch releases (13.4.x) and Hot Fixes (13.4.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
COE 13.4	RGBUMDOCOE_13.4.0.0_GENERIC_121126.0642
Framework 3.5.2	RGBUMPOFRAMEWORK_3.5.2.0_GENERIC_121125.2137
Installer 3.5.2	RGBUMPOINSTALLER_3.5.2.0_GENERIC_121125.2300
Suite 3.5.2	RGBUMPOSUITE_3.5.2.0_GENERIC_121125.2216
Engine 5.6.6	RGBUMPOCALCENGINEPKG_5.6.6.0_GENERIC_121126.0031
APC-MDO 13.4	RGBUAPCMDO_13.4.0.0_GENERIC_121016.0136

## Hardware and Software Requirements

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

## Upgrading to Clearance Optimization Engine

For more information on upgrading to Clearance Optimization Engine Release 13.4, refer to the *Oracle Retail Clearance Optimization Engine Installation Guide*.

## Technical Enhancements

This release includes the following technical enhancements:

- [Oracle WebLogic Server Support](#)
- [Web Browser Support](#)

### Oracle WebLogic Server Support

Oracle Retail Clearance Optimization Engine now supports the use of Oracle WebLogic Server 11g Release 2 (10.3.5), extended to use ADF 11.1.1.6.2, on the following operating systems:

Software	Requirement				
<b>Operating Systems (64-bit)</b>	Oracle Linux Release 5.0 Update 5, x86-64 based.	Oracle Solaris 10 Update 8, SPARC-based.	IBM AIX 6.1 Technology Level 6 (TL6), Power processor -based.	HP-UX 11i v3 Update 7 (11.31), Itanium-based.	Red Hat Enterprise Linux 5 Update 8
<b>JVM (64-bit)</b>	Oracle's JDK 6.0 Update 30.	Oracle's JDK 6.0 Update 30.	IBM JDK 1.6 SR10.	HP UX JDK 1.6.0.13.	Oracle's JDK 6.0 Update 24.

### Web Browser Support

Oracle Retail Clearance Optimization Engine now supports the use of Microsoft Internet Explorer 9 (32-bit) on Microsoft Windows 7 (64-bit) Service Pack 1 system.

## Noteworthy Defect Fixes

The following noteworthy defects have been fixed in this release:

Defect	Description
14609679	When assigning BRM_PRICE_EDIT/BRM_PRICE_VIEW roles to selective merchandise, the merchandise does not display correctly in BRM_PRICE_VIEW and BRM_PRICE_EDIT.
14609647	The Business Rule Property Manager link refreshes with the error message "An error occurred while trying to view roles".
14608838	Weekly processing fails with the message "ORA-01652: unable to extend temp segment by 128 in tablespace TEMP" when running price/front.end.load.sh.

## 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 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
- 
- 

## 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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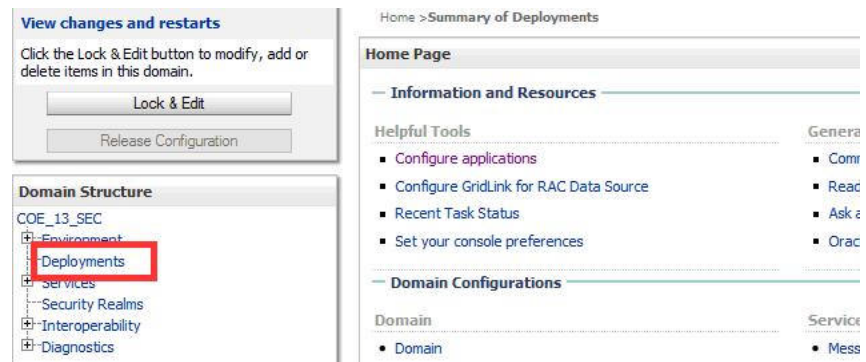
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Given below are the instructions to apply this workaround:

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.

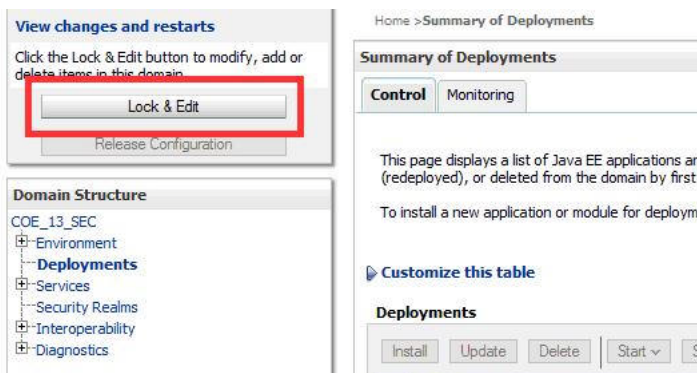
- On the Summary of Deployments screen, click **Deployments** in the Domain Structure section.

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



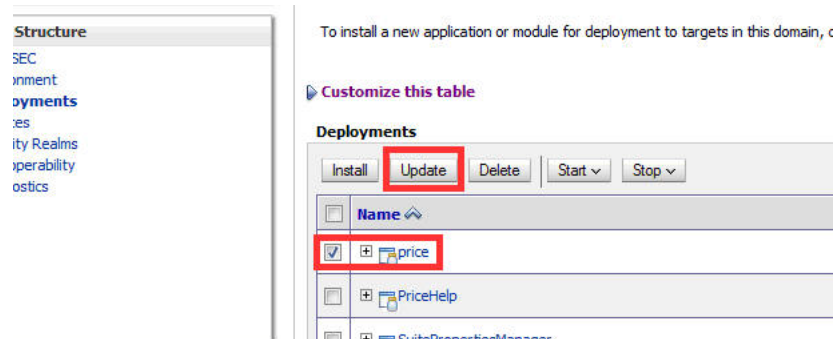
- Under View changes and restarts, click **Lock & Edit** to modify the domain.

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



- 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**

Home > Summary of Deployments

**Update Application Assistant**

Back Next Finish Cancel

**Locate new deployment files**

You have elected to update the price application.

**Source path:** /u00/qaprice/stephan/COE\_13\_SEC/linux,

**Deployment plan path:** (No value specified) **Change Path**

Back Next Finish Cancel

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**

Home > Summary of Deployments

**Update Application Assistant**

Back Next Finish Cancel

**Locate new deployment files**

You have elected to update the price application.

☒ **Update this application in place with new deployment plan changes. (A deployment plan must be specified for this option)**

**Deployment plan path:** /u00/qaprice/stephan/COE\_13\_SEC/linux/modules/Price/Plan.xml **Change Path**

☐ **Redeploy this application using the following deployment files:**

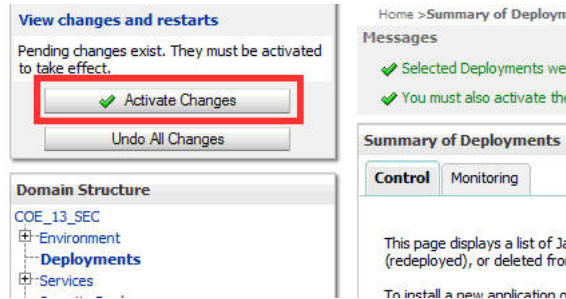
**Source path:** /u00/qaprice/stephan/COE\_13\_SEC/linux/modules/Price/p4pgui.ear **Change Path**

**Deployment plan path:** /u00/qaprice/stephan/COE\_13\_SEC/linux/modules/Price/Plan.xml **Change Path**

Back Next **Finish** Cancel

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>
    </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>web-service-policy-ref</root-element>
        <uri>WEB-INF/weblogic-webservices-policy.xml</uri>
    </module-descriptor>
    <variable-assignment>
        <name>WsPolicy_policy:Encrypt.xml</name>

    <xpath>/web-service-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>/web-service-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>/web-service-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 13.4 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 Licensing Information*
- *Oracle Retail Clearance Optimization Engine Online Help*
- *Oracle Retail Clearance Optimization Engine Operations Guide*
- *Oracle Retail Clearance Optimization Engine User Guide*

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- Product version and program/module name
- Functional and technical description of the problem (include business impact)
- Detailed step-by-step instructions to re-create
- Exact error message received
- Screen shots of each step you take

## Review Patch Documentation

When you install the application for the first time, you install either a base release (for example, 13.4) or a later patch release (for example, 13.4.1). If you are installing the base release, additional patch, and bundled hot fix releases, read the documentation for all releases that have occurred since the base release before you begin installation. Documentation for patch and bundled hot fix releases can contain critical information related to the base release, as well as information about code changes since the base release.



## Oracle Retail Documentation on the Oracle Technology Network

Documentation is packaged with each Oracle Retail product release. Oracle Retail product documentation is also available on the following Web site:

[http://www.oracle.com/technology/documentation/oracle\\_retail.html](http://www.oracle.com/technology/documentation/oracle_retail.html)

(Data Model documents are not available through Oracle Technology Network. These documents are packaged with released code, or you can obtain them through My Oracle Support.)

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