

Oracle® Retail Clearance Optimization Engine

Release Notes

Release 14.0.1

E53504-01

May 2014

Oracle Retail Clearance Optimization Engine (COE) Release 14.0.1 is a patch release for COE 14.0. COE 14.0.1 includes selected defect fixes for COE 14.0 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.

Overview

The Clearance Optimization Engine (COE) provides remote access to the What If RMI interface that Item Planning Configured for COE accesses using the RPAS special expression. This allows the IP application to produce in-season price recommendations and forecasts that account for planned promotions and future markdowns in the product life cycle. The forecast includes a sales plan and an optimal price plan.

COE produces its recommendations during the weekly model run. The results of the model run are stored in the database. These results can be extracted using the send back files. They are then available for use by IP.

You have the ability to perform real-time What-If scenarios from within Item Planning and alter plans in order to see the results of those changes. The changes include planning a markdown, changing future prices, changing an order, changing the exit date, changing the salvage value, and changing the sell-through target. Business rules can also be imported from Item Planning into COE from Item Planning in a format that follows the COE standard interface.

About Patch Releases

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

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

Hardware and Software Requirements

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

Applying the Patch Release

Before applying the COE 14.0.1 patch release, be sure that COE 14.0 has been installed.

Before applying the new files over your code:

- Note whether any modules have been customized. If so, the customizations must be reapplied to the new version of the module, or the fix may need to be applied to the custom version of the code.
- Copy the original files (config_root) to a different directory before upgrading to COE 14.0.1.

COE Build Identifiers

Table 1 COE Build Identifiers

Component Name	Version Number
RGBUMDOCOE	RGBUMDOCOE_14.0.1.0_GENERIC_140402.1029
RGBUMPOFRAMEWORK	RGBUMPOFRAMEWORK_14.0.1.0_GENERIC_140402.0605
RGBUMPOINSTALLER	RGBUMPOINSTALLER_14.0.1.0_GENERIC_140402.0610
RGBUMPOSUITE	RGBUMPOSUITE_14.0.1.0_GENERIC_140402.0607
RGBUMPOCALCENGINE PKG	RGBUMPOCALCENGINEPKG_5.6.7.0_GENERIC_140402.0031
RGBUAPCMDO	RGBUAPCMDO_14.0.1.0_GENERIC_140327.1751

Upgrading to Clearance Optimization Engine

For more information on upgrading to Clearance Optimization Engine Release 14.0.1, refer to the *Oracle Retail Clearance Optimization Engine Installation Guide*.

Technical Enhancements

This release includes:

- [Database Server Support](#)

Database Server Support

Oracle Retail Clearance Optimization Engine is supported for use with the following database server:

- Oracle Database 11gR2 (11.2.0.4) Enterprise Edition

Noteworthy Defect Fixes

The following noteworthy defects have been fixed in this release:

Defect	Description
18101958	Data load handles error with low error thresholds and less number of rows.
17432612	Markdown date validation accepts any date in that week.
18358127	If the ASH_BRM_INSTANCE_TBL BRM instance file contains duplicate records, where all fields are the same except the RULE_VALUE, the load fails with error "ORA-00001: unique constraint (PRICE.BRM_INST_UK) violated."
18358140	Load location hierarchy allows you to add a new branch with flexible clustering enabled.
17879027	When loading data, Load Promotions Now validates for an End Date greater than the Start Date.
17631759	Seasonality Manager should not display merchandise and locations below optimization level.

Known Issues

The following are the known issues for this release:

- [Internet Explorer 10](#)
- [COE Web Services](#)

Internet Explorer 10

Oracle Retail Clearance Optimization Engine Release 14.0.1 is not certified for use with Microsoft Internet Explorer 10.

COE Web Services

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.

Note: You 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:

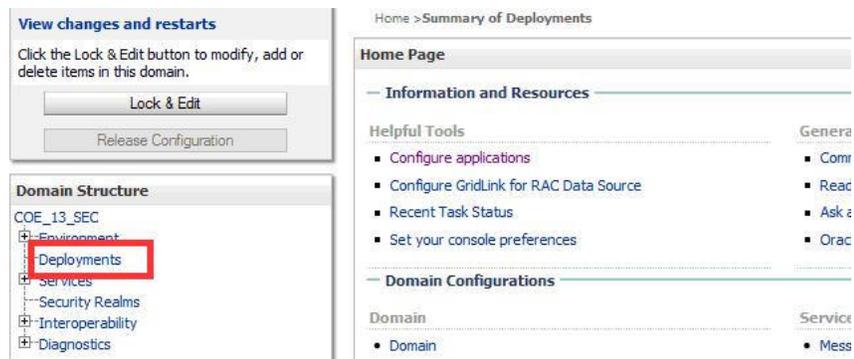
- WS-Policy Encrypt.xml and Sign.xml to the COE web service ClearanceOptimizationServiceSoapHttpPort for both Inbound and Outbound.
- WS-Policy Auth.xml to the COE web service ClearanceOptimizationServiceSoapHttpPort for Inbound messages for both getForecast and getVersion operations.

Note: The COE application must be already installed.

Take the following steps to apply this workaround:

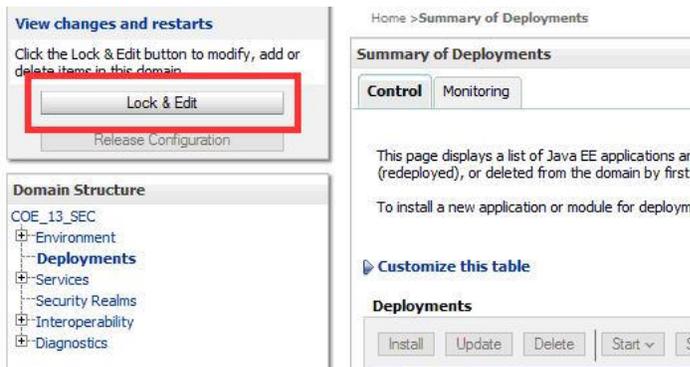
1. Create a new XML file. See [Sample XML text](#) for the contents of the XML file.
2. Save the XML file to the location where the WebLogic server is installed for COE, on the Server.
3. Log into the WebLogic admin console.
4. On the Summary of Deployments screen, click **Deployments** in the Domain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

Figure 1 Summary of Deployments > Domain Structure > Deployments



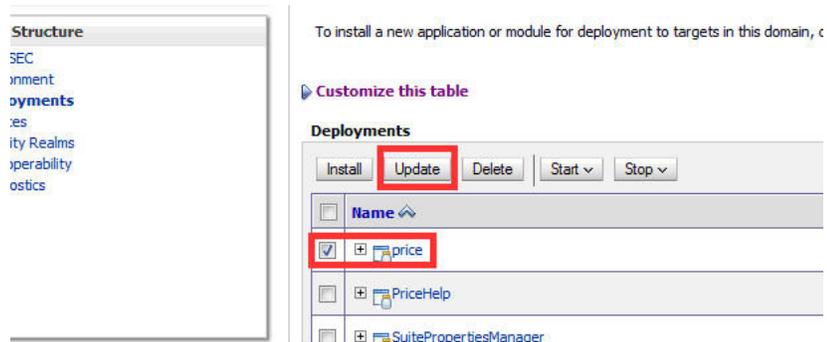
5. Under View changes and restarts, click **Lock & Edit** to modify the domain.

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



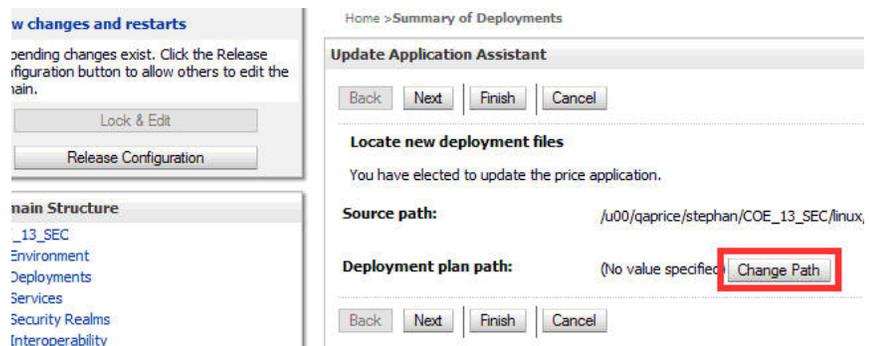
6. In the Deployments section, select the check box for the deployment “price”, and click **Update**.

Figure 3 Summary of Deployments > Customize this table



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

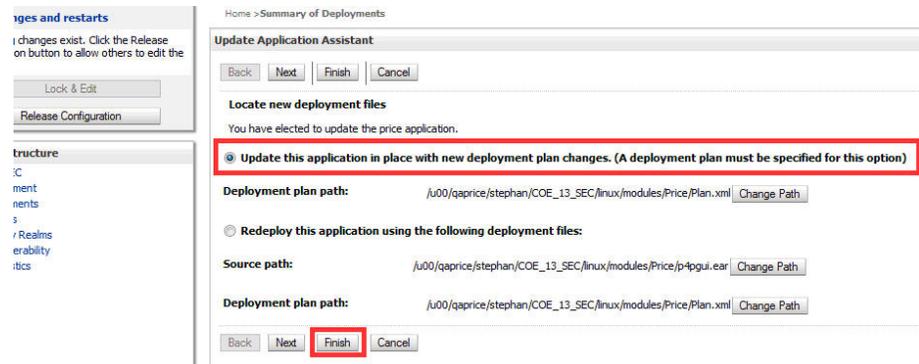
Figure 4 Summary of Deployments > Update Application Assistant



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**.

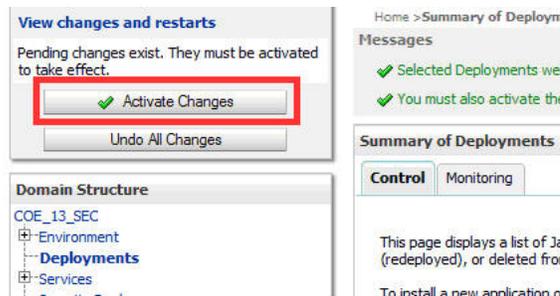
- In the Locate new deployment files section, select "Update this application in place with new deployment plan changes." radio button, and click **Finish**.

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-definition>
</deployment-plan>
```

```

        <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>
    </module-descriptor>
    <variable-assignment>
        <name>WsPolicy_policy:Encrypt.xml</name>
    </variable-assignment>
</module-override>
<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.xml
1"]/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
1"]/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 14.0.1 documentation set:

- *Oracle Retail Clearance Optimization Engine Installation Guide*

Documentation Accessibility

For information about Oracle's commitment to accessibility, visit the Oracle Accessibility Program website at

<http://www.oracle.com/pls/topic/lookup?ctx=acc&id=docacc>.

Access to Oracle Support

Oracle customers have access to electronic support through My Oracle Support. For information, visit

<http://www.oracle.com/pls/topic/lookup?ctx=acc&id=info> or visit <http://www.oracle.com/pls/topic/lookup?ctx=acc&id=trs> if you are hearing impaired.

Oracle® Retail Clearance Optimization Engine Release Notes, Release 14.0.1
E53504-01

Copyright © 2014, Oracle and/or its affiliates. All rights reserved.

This software and related documentation are provided under a license agreement containing restrictions on use and disclosure and are protected by intellectual property laws. Except as expressly permitted in your license agreement or allowed by law, you may not use, copy, reproduce, translate, broadcast, modify, license, transmit, distribute, exhibit, perform, publish, or display any part, in any form, or by any means. Reverse engineering, disassembly, or decompilation of this software, unless required by law for interoperability, is prohibited.

The information contained herein is subject to change without notice and is not warranted to be error-free. If you find any errors, please report them to us in writing.

If this is software or related documentation that is delivered to the U.S. Government or anyone licensing it on behalf of the U.S. Government, the following notice is applicable:

U.S. GOVERNMENT END USERS: Oracle programs, including any operating system, integrated software, any programs installed on the hardware, and/or documentation, delivered to U.S. Government end users are "commercial computer software" pursuant to the applicable Federal Acquisition Regulation and agency-specific supplemental regulations. As such, use, duplication, disclosure, modification, and adaptation of the programs,

including any operating system, integrated software, any programs installed on the hardware, and/or documentation, shall be subject to license terms and license restrictions applicable to the programs. No other rights are granted to the U.S. Government.

This software or hardware is developed for general use in a variety of information management applications. It is not developed or intended for use in any inherently dangerous applications, including applications that may create a risk of personal injury. If you use this software or hardware in dangerous applications, then you shall be responsible to take all appropriate fail-safe, backup, redundancy, and other measures to ensure its safe use. Oracle Corporation and its affiliates disclaim any liability for any damages caused by use of this software or hardware in dangerous applications.

Oracle and Java are registered trademarks of Oracle and/or its affiliates. Other names may be trademarks of their respective owners.

Intel and Intel Xeon are trademarks or registered trademarks of Intel Corporation. All SPARC trademarks are used under license and are trademarks or registered trademarks of SPARC International, Inc. AMD, Opteron, the AMD logo, and the AMD Opteron logo are trademarks or registered trademarks of Advanced Micro Devices. UNIX is a registered trademark of The Open Group.

This software or hardware and documentation may provide access to or information on content, products, and services from third parties. Oracle Corporation and its affiliates are not responsible for and expressly disclaim all warranties of any kind with respect to third-party content, products, and services. Oracle Corporation and its affiliates will not be responsible for any loss, costs, or damages incurred due to your access to or use of third-party content, products, or services.

Value-Added Reseller (VAR) Language

Oracle Retail VAR Applications

The following restrictions and provisions only apply to the programs referred to in this section and licensed to you. You acknowledge that the programs may contain third party software (VAR applications) licensed to Oracle. Depending upon your product and its version number, the VAR applications may include:

- (i) the **MicroStrategy** Components developed and licensed by MicroStrategy Services Corporation (MicroStrategy) of McLean, Virginia to Oracle and imbedded in the MicroStrategy for Oracle Retail Data Warehouse and MicroStrategy for Oracle Retail Planning & Optimization applications.
- (ii) the **Wavelink** component developed and licensed by Wavelink Corporation (Wavelink) of Kirkland, Washington, to Oracle and imbedded in Oracle Retail Mobile Store Inventory Management.
- (iii) the software component known as **Access Via™** licensed by Access Via of Seattle, Washington, and imbedded in Oracle Retail Signs and Oracle Retail Labels and Tags.
- (iv) the software component known as **Adobe Flex™** licensed by Adobe Systems Incorporated of San Jose, California, and imbedded in Oracle Retail Promotion Planning & Optimization application.

You acknowledge and confirm that Oracle grants you use of only the object code of the VAR Applications. Oracle will not deliver source code to the VAR Applications to you. Notwithstanding any other term or condition of the agreement and this ordering document, you shall not cause or permit alteration of any VAR Applications. For purposes of this section, "alteration" refers to all alterations, translations, upgrades, enhancements, customizations or modifications of all or any portion of the VAR Applications including all reconfigurations, reassembly or reverse assembly, re-engineering or reverse engineering and recompilations or reverse compilations of the VAR Applications or any derivatives of the VAR Applications. You acknowledge that it shall be a breach of the agreement to utilize the relationship, and/or confidential information of the VAR Applications for purposes of competitive discovery.

The VAR Applications contain trade secrets of Oracle and Oracle's licensors and Customer shall not attempt, cause, or permit the alteration, decompilation, reverse engineering, disassembly or other reduction of the VAR Applications to a human perceivable form. Oracle reserves the right to replace, with functional equivalent software, any of the VAR Applications in future releases of the applicable program.

