

Oracle Retail Order Broker

Installation Upgrade Guide

Release 19.1.1

June 2020

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Oracle Retail Order Broker Installation Upgrade Guide, Release 19.1.1

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Preface

The Oracle Retail Order Broker Installation Upgrade Guide describes the steps required to install the application from release 19.0 to release 19.1.1.

Audience

This Installation Upgrade Guide is for the staff responsible for installing Oracle Retail Order Broker on premises.

Note: These steps require working knowledge of Linux administration, Oracle database administration, and WebLogic administration.

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Related Documents

For more information, see the following documents in the Oracle Retail Order Broker Release 19.1.1 documentation set:

- *Oracle Retail Order Broker Release Notes*
- *Oracle Retail Order Broker Cloud Service Online Help*
- *Oracle Retail Order Broker Store Connect Online Help*
- *Oracle Retail Order Broker Vendor Portal Online Help*
- *Oracle Retail Order Broker Vendor Integration Guide*
- *Oracle Retail Order Broker Administration Guide*
- *Oracle Retail Order Broker Operations Guide*
- *Oracle Retail Order Broker Security Guide*

See the Oracle Retail Order Broker 19.1.1 documentation library at the following URL:

<https://docs.oracle.com/en/industries/retail/index.html>

Note: This documentation library includes documents that apply to both Oracle Retail Order Broker for installation on premise, and Oracle Retail Order Broker Cloud Service. Unless labeled specifically as documentation for Oracle Retail Order Broker (on premise), each document references the cloud product rather than the on premise product.

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Order Broker 19.1.1 Patch Upgrade Instructions

Prerequisite

In order for you to install this patch, you must be on Order Broker 19.0.0 or higher, which is application version 19.0.0.41-2019-12-09_17-31-46, and the database level is 19.0.0.041 or higher. To verify your version/patch level:

- Open a browser and point it to the Order Broker application.
- Log into the Order Broker application.
- Select the System menu option on the main menu and click on the About Order Broker menu option.
- On the About Order Broker window, verify the version information.

Preparation

Before applying any patch or update to your system, you should make sure that you have a recent backup of your system. If you have Order Broker installed on multiple servers, make sure to back up all servers since you will be installing this patch on all servers. The following items should be backed up:

- The Web Logic deployment objects: Locate.ear, LocateSTC.war and LocateVPA.war.
- The <DOMAIN> conf folder.
- The OrderBroker database.

Also, before you apply any patch, all users must be logged off of the Order Broker application, and the Order Broker service must be shut down on all servers running it.

Installation

1. Stop the Order Broker Managed Servers.
2. Back up the Order Broker database.
3. Extract the contents of the patch.zip file to a temp folder (v19_1_1_patch).
4. Using SQLPlus, connect to the Order Broker database using the ORDER_BROKER user, and run the upgrade.sql script found in the v19_1_1_patch\database folder. Verify output doesn't contain errors.
5. Copy the Locate.ear, LocateSTC.war and LocateVPA.war files found in the v19_1_1_patch\server\apps folder over to staging area on server where Weblogic is running. Make sure ownership of this file matches with your domain ownership.

For example, if domain ownership is webadmin, the file ownership should also be webadmin.

6. **Update locateProvider.**

On each OB application server:

Copy v19_1_1_patch\server\Authentication\locateProvider.jar to
 <WLS_ROOT>\wlserver\server\lib\mbeantypes folder

7. Update Email Templates.

On each OB application server:

Copy v19_1_1_patch\server\conf\emailtemplates to
 \${DOMAIN_HOME}/conf/emailtemplates

8. Update coherence-cache-config.xml.

On each OB application server:

Update \${DOMAIN_HOME}/conf/coherence-cache-config.xml to add below cache entries.

```
<cache-mapping>
    <cache-name>ZONE_FULFILLMENT_CACHE</cache-name>
    <scheme-name>near</scheme-name>
    <init-params>
        <init-param>
            <param-name>size-limit</param-name>
            <param-value>5000</param-value>
        </init-param>
    </init-params>
</cache-mapping>
<cache-mapping>
    <cache-name>COUNTRY_CODE_CACHE</cache-name>
    <scheme-name>near</scheme-name>
    <init-params>
        <init-param>
            <param-name>size-limit</param-name>
            <param-value>20</param-value>
        </init-param>
    </init-params>
</cache-mapping>
```

9. Update locate-config.properties.

On each OB application server:

Update locate-config.properties in the \${DOMAIN_HOME}/conf directory to add

below changes

use.polling.cache=N

10. Copy Log4j2.xml.

On each OB application server:

Copy the log4j2.xml found in the v19_1_1_patch\server\conf folder to the
\${DOMAIN_HOME}/conf directory

11. Copy locate-doc.properties.

On each OB application server:

Copy the locate-doc.properties found in the v19_1_1_patch\server\conf folder to the

\${DOMAIN_HOME}/conf directory

12. **Server Configuration:** Check / update the server configurations:

Follow below steps to update configurations for each managed server.

Login to the Weblogic admin console to update **Thread minimum pool and thread maximum pool size:**

On the Web Logic console navigate to:

Environment -> Server > Server name -> Tuning > Advanced > Self Tuning Thread
Minimum Pool Size

Set the value to 20.

On the Web Logic console navigate to:

Environment -> Servers > Server name > Configuration tab > Tuning Sub Tab >
Advanced > Self Tuning Thread Maximum Pool Size

Set the value from 800 to 900.

Create new Work Manager if it is not already there:

On the Web Logic console navigate to:

Environment > Work Managers > New > Work Manager > ob cluster (named
"default") (edited)

Create/Update new Maximum Thread Constraint:

On the Web Logic console navigate to:

Environment > Work Managers > New > Maximum Thread Constraint > ob cluster
(named "MaxThreads")

Update the maximum thread constraint value from 400 to 500.

13. Using the Admin Console, deploy the Locate.ear, LocateSTC.war, and LocateVPA.war files to the cluster.
14. After deploying, make sure under your \${DOMAIN_HOME}/config/config.xml still has:

```
<enforce-valid-basic-auth-credentials>false</enforce-valid-basic-auth-credentials>
```

in the </security-configuration> section.

Add this tag back if config.xml was overridden.

15. Restart Weblogic server on the first machine
16. Start the Order Broker Managed Servers.

BI Publisher Reports

1. Upload the updated OB.xdrz file found in the v19_1_1_patch\server\BI Publisher\ folder to the BI publisher server.

Follow the below steps to upload the reports.

- Log into the BI application console.
- Click the Catalog link on the top right-hand side.
- Select OB folder on the left hand side and click delete button on the bottom left hand side.
- Click the Upload button on the bottom left-hand side.
- A browse window opens. Click the Browse button to select the OB.xdrz file.
- Click the Upload button to upload the reports under the OB folder. After the upload is complete, navigate to the OB folder and make sure that you see datamodels, reports, and subtemplates folders.

Testing the Order Broker Application

1. Verify the Order Broker application was upgraded successfully by launching the LocateUI application. Navigate to the System->About screen and confirm:
 - o The server level is 19.1.1.45-2020-06-04_01-08-06-AM
 - o The database level is 19.1.1.45

Verify the Order Broker Supplier Direct Fulfillment application was upgraded successfully by launching the LocateVPA application. Navigate to the About->>About Vendor Portal screen and confirm the version is 19.1.1.45-2020-06-04_01-08-06-AM.

Verify the Order Broker Store Connect application was upgraded successfully by launching the LocateSTC application. On the landing page, click the About Store Connect link in the bottom left corner and confirm the version 19.1.1.45-2020-06-04_01-08-06-AM.

2. If you have additional application servers where you have installed Order Broker, please repeat the **Testing the Order Broker Application** for each of these machines.