

This document highlights the major changes for release 19.1.1 of Oracle Retail Order Broker.

## Overview

Order Broker includes the following modules:

- Routing Engine: Distributed order broker that determines inventory availability across the enterprise, and uses advanced business rules to select locations that can fulfill orders.
- Supplier Direct Fulfillment: Web-based vendor portal enabling vendors to share purchase orders and shipping information to simplify drop shipment.
- Store Connect: Web portal that enables store associates to process and fulfill omni-channel orders.

## Hardware and Software Requirements

See the *Oracle Retail Order Broker Installation Guide* for the hardware and software requirements.

## Client Browser Requirements

Supported browsers for the vendor portal, Store Connect, and the Order Broker administration screens:

- Chrome 78.0 or higher
- Internet Explorer 11.6 or higher
- Firefox 60.8 or higher

## Supported Oracle Retail Products

The following Oracle Retail products can be integrated with Order Broker. Each product may integrate with various pieces of Order Broker functionality and not necessarily all features available within Order Broker.

Each product is optional.

- Oracle Retail Xstore Point of Service 16.0+, 19.0+
- Oracle Retail Order Management System 16.0+, 19.0+

The above products can be installed before or after Order Broker. However, it is helpful to know the connection details for the other products when configuring Order Broker.

## Functional Enhancements

### Inventory Quantity Export

The inventory quantity export now supports using the probability rules that are available to route other inventory searches, such as when Order Broker receives a submit order request or a locate items request, to calculate the expected available quantities. Using probability rules enables you to provide a consistent shopping experience by applying the same rules that are configured to “shop” orders.

A new web service enables integrated systems to request incremental updates of inventory changes throughout the day.

As before, the extract continues to write information to a pipe-delimited file, which is bundled into a compressed zip file. This extract file provides a full update of each product location that currently has inventory. You can then use the File Storage API to obtain the export file.

### Restrict Split Order

Order Broker now provides a way to control shipping costs through a new option to restrict splitting a delivery order when it requires a specified carrier. With this option, any orders that require the specified carrier will be assigned to a single location for fulfillment, to prevent shipping from multiple locations if it would prove too costly.

## Integration Enhancements

### Request Wait Times

Two new options enable you to temporarily put web service requests on hold when the target system is unresponsive:

- **Geocode Wait Time:** Two new fields at the **Tenant-Admin** screen enable you to define the number of failed Geocode requests that, if exceeded, should trigger putting Geocode requests in a wait time.
- **Failed Inventory Request Wait Time:** Two new fields at the **Inventory** tab of the **System** screen enable you to define the number of failed interactive inventory requests that, if exceeded, should trigger putting inventory requests to that system in a wait time.

### Status Update and Inquiry Messages Support Shipment Date

The status update request web service message now updates the SHIPMENT\_DATETIME in the XOM\_ORDER\_SHIPMENT table. This update occurs only when:

- The update is to set the status to fulfilled.
- A shipping\_agent and tracking\_number are specified in the request message.

If the status inquiry request message specifies a message version of 19.0 or higher, the response message now returns a new `shipment_date` tag, if the field has been populated through the status update request.

**Important:** Do not set the message version to 19.0 or higher for the inbound status inquiry request if the requesting system does not support the new `shipment_date` tag in the response.

## OAuth Support

OAuth is now supported for authentication of interactive inventory requests to a product, such as Order Management System Cloud Service, that is installed in the cloud.

You need to complete the new *Client ID*, *Endpoint URL*, and *Client Secret* fields at the **Tenant-Admin** screen in order to use OAuth.

When the *Connection Type* selected at the **Inventory** tab of the **System** screen is set to *URL*, you can choose an *Authentication Type* of OAuth or Basic, and have the option of either entering the *Client ID* and *Client Secret* here, or using the defaults that you have set up at the **Tenant** screen.

OAuth is also supported for job notification messages, configured through the **Event Logging** screen.

## Log File Management Enhancements

Log file management has changed to create a new log file whenever the current log file reaches the size of 1G, assigning each log file a unique name: for example, `xml_1.log`, `xml_2.log`, etc. When the new log file is created, the prior log file is compressed and saved with a `.gz` extension, such as `xml_1.gz`.

## Performance Enhancement

### OCDS Product and Inventory Import Improvement

To improve the performance of the import of product and inventory data from Omnichannel Cloud Data Service (OCDS), Order Broker now allows you to define the optimal response size. Use the *Request Size* at the **OCDS Integration Import** tab of the **System** screen to set this number. The default value is 250,000 records returned per request, and you can set it as high as 999,999 records per request.

## Deprecation Advisories

### MOMZIP File Upload

In a future release, importing product and bar code data from Merchandising Foundation Cloud Service Applications (RMFCS) through a MOMZIP file upload will no longer be supported. Importing data from Merchandising Cloud Service through the Omnichannel Cloud Data Service (OCDS) should be used instead.

## Related Documentation

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

- *Online Help*
- *Administration Guide*
- *Store Connect Online Help*
- *Vendor Portal Online Help*

## Supplemental Documentation on My Oracle Support (ID 2114324.1)

The following Order Broker documents are available through My Oracle Support. Access My Oracle Support is available at the following URL: <https://support.oracle.com>.

- *Change List*: Provides a detailed description of the changes made in Order Broker for release 19.1.1.
- *Operations Guide*: Describes the messages supported by Order Broker web services.
- *Data Dictionary*: Provides a listing of the tables in the database.
- *Security Guide*: Describes how to safely configure and use Order Broker.

## Supplemental Training on My Oracle Support

The following documents are available through My Oracle Support. Access My Oracle Support at the following URL: <https://support.oracle.com>.

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For training opportunities, see the following web site:

<http://www.oracle.com/education>

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