

Oracle® Retail Order Broker Cloud Service

Administration Guide



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The Oracle logo, consisting of a solid red square with the word "ORACLE" in white, uppercase, sans-serif font centered within it.

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Preface

The Order Broker Cloud Service Administration Guide describes the process an administrator follows to set up essential data for the Routing Module.

Audience

This Administration Guide is intended for administrators who are responsible for system configuration.

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Related Documents

For more information, see the following documents in the Order Broker Cloud Service Release 21.1 documentation set:

- *Order Broker Cloud Service Release Notes*
- *Order Broker Cloud Service Operations Guide*
- *Order Broker Cloud Service Online Help*
- *Order Broker Cloud Service Vendor Portal Online Help*
- *Order Broker Cloud Service Store Connect Online Help*

See the Order Broker Cloud Service 21.1 documentation library at the following URL:

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

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- 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

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Conventions

The following text conventions are used in this document:

Table Text Conventions

Convention	Meaning
boldface	Boldface type indicates graphical user interface elements associated with an action, emphasis, screen names, book titles, or terms defined in text or the glossary.
<i>italic</i>	Italic type indicates field labels or placeholder variables for which you supply particular values.
monospace	Monospace type indicates commands within a paragraph, URLs, code in examples, text that appears on the screen, or text that you enter.

1

Pre-Provisioning

Pre-provisioning is the period after contracts are signed, but before receiving your environments, where some key activities can occur related to your upcoming implementation. For Order Broker Cloud Service implementations, your Customer Success Manager (CSM) will be your main point of contact for these activities.

Activate Your Service into a Cloud Account

You will receive an activation e-mail from Oracle in the initial stages of provisioning — often immediately following your subscription order being booked. You will need to activate your cloud service into a cloud account in order to begin the provisioning activities for your Oracle Retail service(s). Promptly completing the activations steps will better enable on-time environment delivery.

On activation of your cloud account you will have access to Oracle Cloud Infrastructure Console and the Identity and Access Management (OCI IAM) and your default Identity Domain will be created. An identity domain is a container for managing users and roles, federating and provisioning of users, secure application integration through Oracle Single Sign-On (SSO) configuration, and OAuth administration. It represents a user population in Oracle Cloud Infrastructure and its associated configurations and security settings.

Your default identity domain will be of the Oracle Apps type. Each identity domain type is associated with a different set of features and object limits.

You can create additional identity domains. Multiple identity domains are useful when you need separate environments for a single cloud service or application (for example, one environment for development and one for production). The default approach for Oracle Retail is for a single identity domain for all environments.

Note:

Activation of your cloud service into a cloud account does NOT impact billing or the subscription service period - those details are connected to the subsequent environment delivery of Order Broker Cloud Service.

Activating into a New Oracle Cloud Account

Note:

An Oracle Cloud Account is not the same as your My Oracle Support account. The Oracle Cloud Account exists within the OCI console and includes your identity domain(s) for managing user access and security.

To start the setup, you'll click the Activate link provided in the e-mail received. Then the following steps are required:

1. Provide the desired name for the Oracle Cloud Account.
A best practice is to use a name which will encompass the scope of services to be managed in the account, such as a combination of your company name and "retail". For example, **mystoresretail**. After activation, you can adjust the displayed name for the cloud account.
2. Provide your e-mail address as the customer administrator who receives the activation e-mail.
The e-mail address must match the initial e-mail. If you would like a different contact to be used as the administrator, this can be managed after activation in coordination with your CSM.
3. The activation success message will display, and you will receive a new welcome e-mail with access credentials.

Activating into an Existing Oracle Cloud Account

Activate your Retail cloud service within the Account Management section of your existing Oracle Cloud Account.

1. Log in to your existing Oracle Cloud Account.
Clicking the **Activate** link brings you to the login page.
2. Within the Dashboard, click on the Account Management menu and then select the Activate tab.
Available services to activate will be listed; you may need to select Show: Pending Activations.
3. Click the Cloud Service Account Setup button to complete setup. This setup will enable you to select the current Oracle Cloud Account as the destination for the cloud service activation.

If you have any issues with the above, see the *Frequently Asked Questions* chapter.

Prepare Project Team

During this time, you will also be putting together your project plan for the deployment and go-live phases of your implementation. It is important to consider the following during this planning phase to prepare your project team for implementation:

- **OCI Identity & Access Management** - As noted above, you will be using OCI IAM UI for user management for Order Broker. During the pre-provisioning timeframe, familiarize yourself with this solution and its features.
<https://docs.oracle.com/en-us/iaas/Content/Identity/home.htm>
- **Security Configurations** - During this phase, you should designate a portion of your team to becoming familiar with OCI IAM and the roles, duties, and privileges for Order Broker. You can also start designing the roles that you will need for your users, and what duties will be assigned to your custom roles. For more details, please refer to *Setting Up Data*.

2

Provisioning

Once your environments are ready for you, the person designated as your service administrator will receive a welcome e-mail: one for each cloud service and each environment (stage, production, and so on). This e-mail has several key pieces of information:

- Username: This user is referred to as the Service Administrator user in this document. A temporary password will be sent in a separate e-mail
- Link to the OCI IAM Domains UI
- Links to Order Broker Cloud Service
- Customer Support (CSI) Number

It is recommended that you save this e-mail for future reference, because at this point the service administrator is the only person with access.

Access OCI IAM

Once you receive your welcome e-mail, it is recommended that you, as the system administrator, log into the OCI IAM console to verify your access and set a new password. You will also be assigned the application administrator group for both your production and pre-production environments. Note that the group for pre-production will have an added extension (`_PREPROD`) in order to differentiate between the two. These should not be deleted.

It is also recommended that you add additional administrators in order to have a backup administrator and share in user management administration, as at this point no one else in your organization will have access to OCI IAM or Order Broker. For assistance in creating users or adding them to groups, see *Setting Up Data* in this guide.

3

Frequently Asked Questions

Cloud Account Activation

Since Order Broker Cloud Service is installed using the default OCI IAM domain details, it is important to ensure any activation concerns are resolved during the pre-provisioning/provisioning period, as making changes after Order Broker is provisioned may require extended downtime.

What should I do if I cannot activate my service into an existing Oracle Cloud Account? Inform your CSM or sales representative if you run into issues, providing the following information:

- Existing Oracle Cloud Account name
- Subscription ID of a service in the account
- Administrator e-mail for the account

What do I do if I experience errors or failures while attempting to activate my Cloud account? The administrator e-mail address must match the e-mail which received the activation notification. If this does match and you are still running into issues, inform your CSM or sales representative, providing the following information:

- Intended activation approach (new Oracle Cloud Account or activate within an existing)
- Any error or failure messages received—include screen shots if possible

Can I use another identity management solution? Only OCI IAM is supported in Order Broker Cloud Service implementations, however OCI IAM could also be integrated with external identity management providers, like Active Directory, using its APIs.

I have multiple pre-prod environments and want to have different security configurations for the same users/roles in each, can I do that? The recommended approach is to create roles in OCI IAM that reflect the configuration needs for each environment. Or you could consider creating two user IDs for the same person to reflect the different role configurations that they need to test.

Why do I see other users in my OCI IAM instance (for example, batchuser)? The Oracle Cloud Operations team will also seed a set of integration users required by the solutions as part of the provisioning process. These are users used for integration or internally for batch and other processing and **should not be deleted**.

I can see links in the task list, but why don't I see any links under the Settings task bar option? The links under the Settings icon require you to have the `SETTINGS_MENU_DUTY` associated with your group/role. If you aren't seeing these options, then that duty may be missing from the group/role you are assigned to. Validate your group/role assignment in OCI IAM. If you are linked to the administrator group/role and are still not seeing the links, then you should log an SR for further assistance.

Why can I see links in the Settings task bar option, but not the Security link? The Security link under the Settings icon require you to have the `ADMIN_CONSOLE_DUTY` associated with your group/role. If you aren't seeing this option, then that duty may be missing from the group/role you are assigned to. Validate your group/role assignment in OCI

IAM. If you are linked to the administrator group/role and are still not seeing the links, then you should log an SR for further assistance.

4

Setting Up Data

Purpose: Follow the steps below to set up data for the Routing Module as part of Order Broker Cloud Service installation. The Routing Module enables you to search for locations to fulfill orders, create orders across the enterprise, and track order activity.

Other setup steps and options: See the Online Help for more information on setting up data, including steps for configuration of the Routing Engine, as well as steps required for:

- Configuring the Supplier Direct Fulfillment module.
- Configuring the Store Connect module.
- Additional configuration options, such as probability rules and zone fulfillment.
- Testing operations, such as searching for locations and creating orders.
- Details on importing and exporting data, including additional import and export options.
- Changing the time zone for screens, reports, emails, and order update history.

Allow list: Retailers need to make sure that Oracle staff include all URLs, such as logos and those used for integrations, on the allow list for Order Broker Cloud Service. URLs that need to be on the allow list include:

- The *Logo URL* and *Shipper URL* (if not ADSI) at the **Drop Ship Preferences** screen.
- The *Logo URL*, *Logo URL (packing slip)*, *Shipper URL* (if not ADSI), and *Logo URL (email)* at the **Store Connect Preferences** screen.
- The *Logo URL* at the **New Brand** screen or the **Edit Brand** screen.
- The *Job Notification URL* at the **Event Logging** screen.
- The *URL* at the **Inventory Service** tab of the **System** screen.
- The *URL* in the **Outbound Orders Service** area of the **RICS Integration** tab of the **System** screen.
- The *Store Location URL*, *Warehouse Location URL*, *Products URL*, *Store Inventory URL*, and *Warehouse Inventory URL* at the **OCDS Integration** tab of the **System** screen.
- The *Tenant Logo* and the *Geocode Address* at the **Tenant** (retailer information) screen or the **Tenant-Admin** screen.
- The *Endpoint URL for IDCS* and the *Turn-by-Turn Distance URL* at the **Tenant-Admin** screen.

“From” email addresses: Email addresses must be approved in order to be used as return addresses on emails generated by Order Broker. Please change the default email addresses specified at the **Event Logging** screen and the *Cust Service From Email Address* specified at the **Store Connect Preferences** screen, and contact your Oracle representative to have the new email addresses approved.

! Important:

In this document, user details / company name / address / email / telephone number represent a fictitious sample. Any similarity to actual persons, living or dead, is purely coincidental and not intended in any manner.

Before You Start

Before you begin configuration of Order Broker Cloud Service you need:

- **URL:** The URL to use when logging into Order Broker.
- **Default user profile:** A default admin user profile for you to use when completing configuration in Order Broker, including creating additional users, configuring systems, setting preferences, and importing data.

Contact your Oracle representative for the user ID of the default admin user. This user needs to exist in both Order Broker and IDCS (Oracle Identity Cloud Service) or OCI IAM (Oracle Cloud Infrastructure Identity and Access Management).

You will need to assign the *Default Shipping System* to the user profile once you have completed these configuration steps below.

- **New install:** You need to create all users in IDCS or OCI IAM to map to all users in Order Broker, including Order Broker users, Store Connect users, vendor users, and web service users or clients. See [Creating User Profiles](#) for more information.
- **Upgrade:** You need to create all users in IDCS or OCI IAM before users can begin using Order Broker, including Order Broker users, Store Connect users, vendor users, and web service users or clients, if their records do not already exist in IDCS or OCI IAM. Users can use the *Can't sign in?* link at the login page to set their passwords.

See [Creating User Profiles](#) for more information on creating users.

Logging in for the First Time

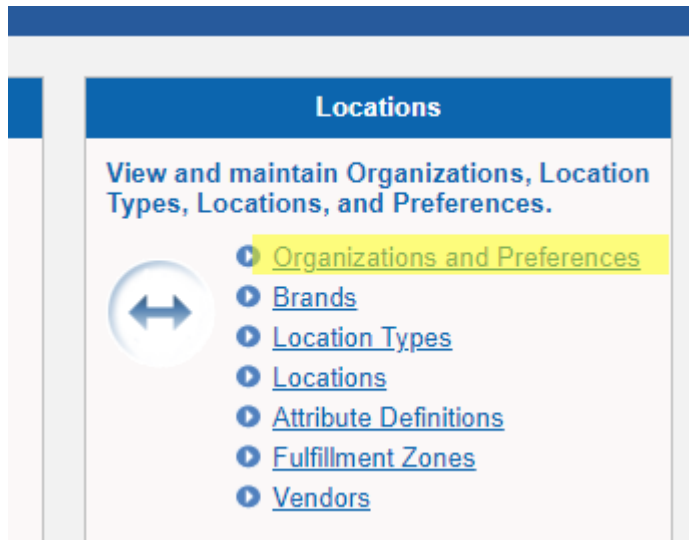
Use IDCS or OCI IAM: You need to select the *Use IDCS* flag at the Tenant-Admin screen if it is not already selected. To display this screen, select **Systems > Tenant** while logged in as the default admin user. If the flag is not already selected, select it now.

Creating an Organization

About organizations: The organization is the second level in the Order Broker Cloud Service hierarchy, below the tenant. All systems are assigned to a single organization, and item searching, order creation, and drop ship fulfillment takes place within the organization. You need at least one organization.

For more information: See the **Order Broker Routing Engine Overview** in the Online Help for a discussion of the organization hierarchy.

1. Select **Organizations and Preferences** at the home screen.



2. At the **Organizations and Preferences** screen:

- Enter the organization code in the *Organization* field. The organization code can be 1 to 10 positions long, can include spaces and special characters, and must be unique within Order Broker.
- Enter the name for the organization in the *Name* field. The name can be from 1 to 35 positions long, and can include spaces and special characters.
- Click **New**.



Search Results

• At the **New Organization** screen:

- Confirm your entries in the *Organization* and *Name* fields.
- Complete the **Data Formats** fields to control the formats for reports, forms, and system-generated emails.

New Organization



Name



Data Formats

Language	<input type="text" value="United States-English"/>	*
Date Format	<input type="text" value="MM/DD/YYYY"/>	*
Time Format	<input type="text" value="AM/PM"/>	*
Decimal Separator	<input type="text" value="Period"/>	*
Thousands Separator	<input type="text" value="Comma"/>	*

- Click **Save**.

Creating the Default System

About systems: Each system in Order Broker Cloud Service represents an application, such as Oracle Retail Order Management System Cloud Service or Xstore, that shares inventory information via Order Broker Cloud Service and creates cross-channel orders or purchase orders.

About the default system: The default system identifies the application that is the system of record for product creation and naming. The first system created for your organization is automatically flagged as the default. System product codes in other systems are cross references to the products in the default system.

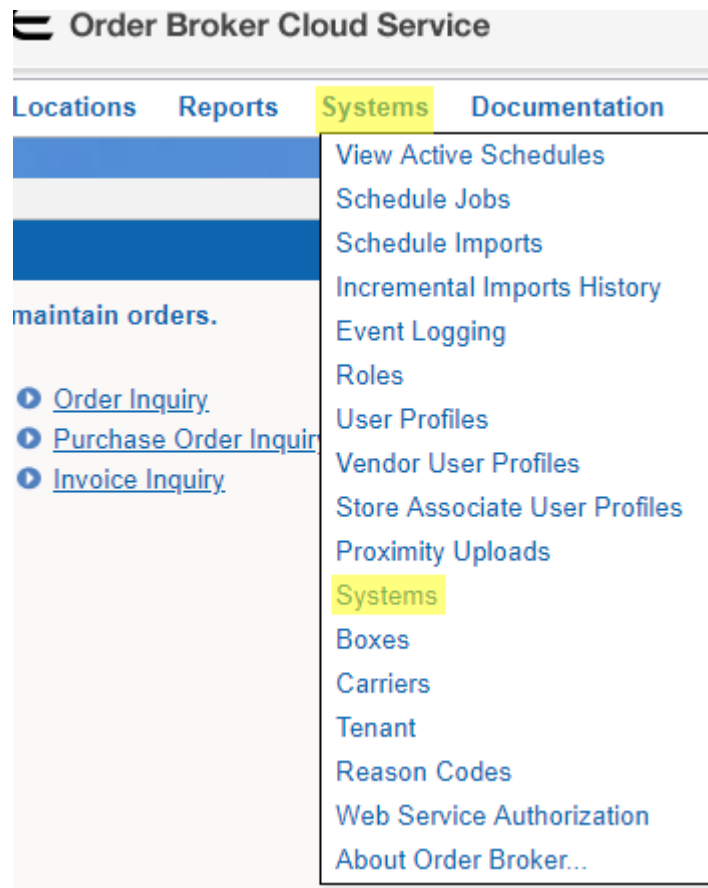
 **Note:**

If you integrate with Order Management System, the system code should be the same as the company number, without padding zeros: for example, 6 rather than 006. Also, the code for the system must match the setting of the *OROB System (K50)* system control value.

 **Note:**

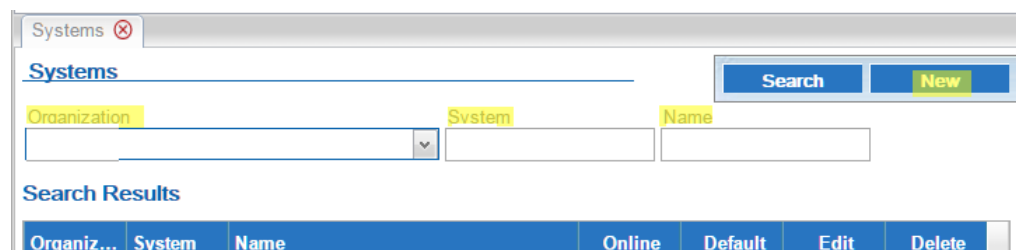
The system flagged as the Vendor Default should not be the default system for the organization.

1. Select **Systems > Systems** to advance to the **Systems** screen.



2. At the **Systems** screen:

- Select an organization from the *Organization* drop-down box.
- Enter a system code in the *System* field. System codes can be 1 to 10 positions in length, can include spaces and special characters, and must be unique.
- For Order Management System, the system code should be the same as the company number, without padding zeros.
- Optionally, enter a name in the *Name* field. Names can be 1 to 40 positions in length and can include spaces and special characters. If you do not enter a name here, you need to enter it at the System screen when creating a system.



- Click **New**.
 - If the system already exists in the organization, or if you did not select an organization or enter a *System* code, Order Broker displays an error message;
 - Otherwise, you advance to the **System** screen, where you can complete the creation of the system.

 **Note:**

If you click **Cancel** at the **System** screen after clicking **New**, the system is not created.

 **Note:**

The *Organization Default* flag is selected when you create the first system for an organization, and the flag cannot be unselected at this time. To designate a different system as the default, you need to create another system and flag that system as the default; this unflags the first system.

Order Management System integration: The code for the Order Management System must match the setting of the *OROB System (K50)* or *Locate System (K50)* system control value. However, names for systems do not need to be the same as the Order Management System company descriptions.

For more information: See the **System** screen in the Online Help for information on additional system configuration options.

Creating Each Additional System that will Integrate with Order Broker Cloud Service

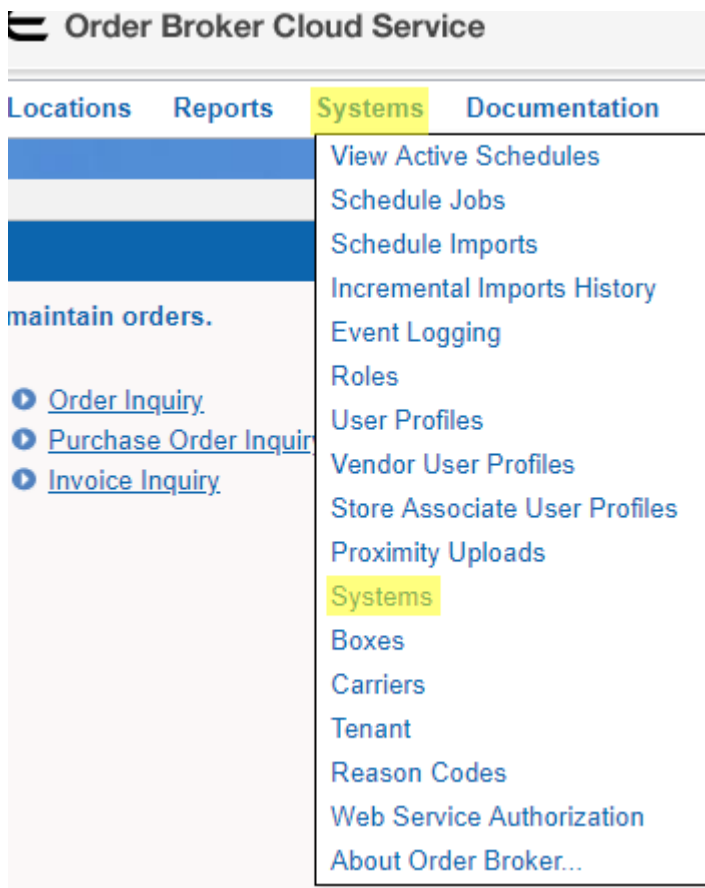
Follow the steps below to create:

- A default vendor system, if you will use the Supplier Direct Fulfillment module.

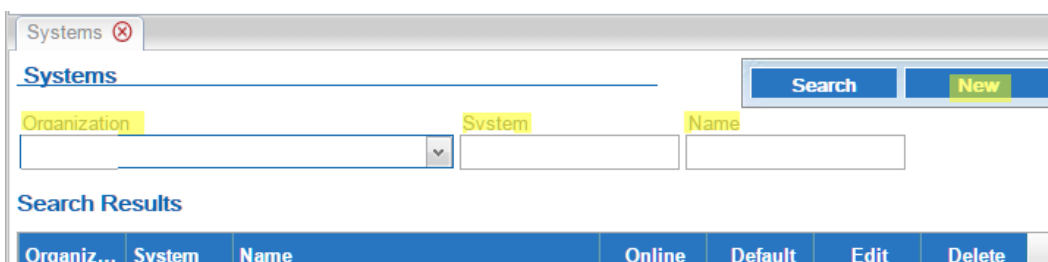
 **Note:**

The system flagged as the Vendor Default should not be the default system for the organization.

- The Store Connect system, if you will use the Store Connect module.
 - Each additional system, such as a POS system.
1. Select **Systems** > **System**.



2. At the **Systems** screen select your organization from the *Organization* drop-down box.



 **Note:**

When creating the Store Connect system, you should not use a system code that begins with STC-, as these characters are used as part of the name for the user group in IDCS or OCI IAM. You can use STC_ (with an underscore rather than a hyphen) instead.

3. Enter a system code in the *System* field. System codes can be 1 to 10 positions in length, can include spaces and special characters, and must be unique.
4. Enter a name in the *Name* field. Names can be 1 to 40 positions in length and can include spaces and special characters. If you do not enter a name here, you need to enter it at the System screen when creating a system.
5. Select **New**:
 - If the system already exists in the organization, or if you did not select an organization or enter a *System* code, Order Broker displays an error message;
 - Otherwise, you advance to the **System** screen, where you can complete the creation of the system.

6. Select **Save**.



Note:

If you select **Cancel** at the **System** screen without first selecting **Save**, the system is not created.

See the **System** screen in the Online Help for information on the fields and options available at this screen.

Creating User Profiles

This section consists of three main subjects:

- Before You Start: Background on IDCS or OCI IAM Integration
- IDCS or OCI IAM User Synchronization
- Scheduling the Identity Cloud User Synchronization Job

Before You Start: Background on IDCS or OCI IAM Integration

Background on user mapping with IDCS or OCI IAM and user setup:

- Authentication for all users takes place using the password defined for the user in IDCS (Oracle Identity Cloud Service) or OCI IAM (Oracle Cloud Infrastructure Identity and Access Management); however, if OAuth authentication is enabled, the user ID defined in Order Broker for a Web Service user maps to a client ID defined in IDCS or OCI IAM, and IDCS or OCI IAM defines a token for web service authentication, rather than a password.

About OAuth: OAuth is a standard for web service authentication through the use of access tokens rather than passwords.

- Role assignments in Order Broker control the user's screen and feature authority at Order Broker, Store Connect, and Vendor Portal screens. You can change the role assignments for existing users through the **Role Wizard**. See the *Role Wizard* in the online help for more information.
- No role authority is required for web service users.
- Since Order Broker requires a lower case user ID, you should create lower case user IDs in IDCS or OCI IAM for validation into Order Broker.
- When the user logs into Order Broker or Store Connect, the user ID entered at the login screen must match the user ID in IDCS or OCI IAM. If the user ID in IDCS or OCI IAM is the Cloud Service User ID, then the user enters the Cloud Service User ID at the login screen.
- User ID matching is case-sensitive, whether through the Order Broker user ID or the Cloud Service User ID.
- Order Broker, Store Connect, and vendor users can use the *Can't sign in?* link at the login page to reset their passwords.

Multiple omnichannel systems: You can use the same IDCS or OCI IAM user records for multiple omnichannel systems. You can use the Cloud Service User ID as a cross-reference to Order Broker users and Store Connect users, but this option is not available for Vendor Portal users or web service users. You can also use the same user ID for any user type, except that Order Broker requires a lowercase user ID, as noted above.

Although Order Management System uses an uppercase user ID, user validation is not case-sensitive, so a lowercase user ID from IDCS or OCI IAM passes validation.

Authentication for outbound web service requests: Use IDCS or OCI IAM to set up users for the authentication of web service requests across omnichannel systems, such as Order Management System Cloud Service or Customer Engagement Cloud Services if the omnichannel systems use the same instance of IDCS or OCI IAM.

IDCS or OCI IAM User Synchronization

About identity cloud service user synchronization: Use IDCS or OCI IAM to create users for omnichannel applications, including Order Broker Cloud Service and Oracle Retail Order Management System Cloud Service. Users that exist in IDCS or OCI IAM and are configured there for Order Broker Cloud Service access are then created in Order Broker Cloud Service:

- Through the **Identity Cloud User Synchronization** job, available through the **Schedule Jobs** screen, or,
- Automatically, when the user logs into Order Broker Cloud Service.

 **Note:**

If a user exists in IDCS or OCI IAM for another application but has not been configured for Order Broker access, the user will not be able to log into Order Broker. Instead, the user advances to the Unauthorized Access screen. If the user requests and is granted access to Order Broker while still at this screen, they can use the **Retry** option to log into Order Broker.

Users are created in Order Broker Cloud Service with the default authority defined from IDCS or OCI IAM, described below.

If you need to create Store Associate users and/or Vendor users in addition to Order Broker Cloud Service users, see [Creating Vendor Users](#) or [Creating Store Associate Users](#), below.

The **Identity Cloud User Synchronization** job does not delete, deactivate, or update authority for any user records, including vendor users and store associates, in Order Broker Cloud Service. Use the related screen in Order Broker Cloud Service to update users once they have been created.

Web service authentication: The **Identity Cloud User Synchronization** job does not create web service users. See [Setting up Web Service Authentication](#) for information on creating web service users.

Required Setup for IDCS or OCI IAM User Synchronization

The following steps describe creating Order Broker Cloud Service (retailer) user profiles.

Setup at the Tenant (admin) screen: Complete the **Identity Cloud Service** settings at the **Tenant** screen:

- **Use IDCS:** This flag must be selected.
- **Client ID:** The Name identifying Order Broker Cloud Service as an application in IDCS or OCI IAM. Typically formatted as `RGBU_OBCS_ENV_APPID` where `OBCS` identifies Order Broker Cloud Service and `ENV` identifies the environment, such as production.
- **Endpoint URL:** The URL to use for requests to IDCS or OCI IAM.
- **Client Secret:** The client secret assigned by IDCS or OCI IAM and used for authentication. Select **Show Secret** in the Configuration tab in IDCS or OCI IAM to display the secret.

See the **Tenant (admin)** screen in the online help for more information.

About the default user: The `default` user is created automatically, with a user name of Identity Cloud Default User. This is not an actual user record that can log into Order Broker Cloud Service; instead, it serves as a template for creating actual users. You cannot delete the `default` user.

Configuring the default user: Before creating additional, actual users, update the `default` user with the settings to apply to actual users when they are created in Order Broker Cloud Service:

- Role assignments with a *Role Type* of **Retailer**, controlling the default authority to Order Broker Cloud Service screens. See the Role Wizard for more information.
- The *Default Shipping System* that controls system product code to display as the **Item #** at the **Order** screen, as well as the organization to default at other screens.

Multiple groups of users: You can modify the configuration of the `default` user if you will import multiple groups of users into Order Broker Cloud Service. For example, you could first configure the `default` user with just order inquiry and maintenance authority, import a group of users, and then reconfigure the `default` user with different authority for the next group of users.

User Creation in IDCS or OCI IAM

You can use the following process in IDCS or OCI IAM to create users and control their attributes through group assignment, using the application record in IDCS or OCI IAM for Order Broker Cloud Service. The application record typically has a *Name* such as `RGBU_OBCS_<ENV>_APPID`, where `ENV` represents the environment.

- Create one or more groups to use for assignment of roles to users. For example, create an `ob_users` group to use for creation of regular users, and an `ob_admin` group to use for creation of admin users. Assign the group to the appropriate application role in IDCS or OCI IAM: either `OBCS_Admin` or `OBCS_User`.
- Create each user in IDCS or OCI IAM, specifying the user's first name, last name, user name, and email address.

About defining the user name in IDCS or OCI IAM:

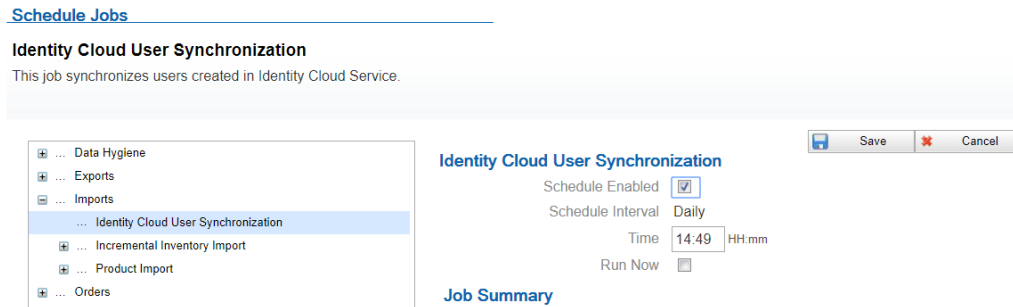
- The user name be lower case.
- The user name in Order Broker cannot exceed 10 positions, so the name assigned in IDCS or OCI IAM will be truncated in Order Broker if it exceeds 10 positions. If multiple users imported from IDCS or OCI IAM share the same first 10 positions of the user name, the import process will use the first 9 positions and assign a unique character as the 10th position. For example, if user names created in IDCS or OCI IAM are `joannejohnson` and `joannejohnston`, the first user created in Order Broker is `joannejoh1`, and the second user created in Order Broker Cloud Service is `joannejoh2`.
 - * Assign each created user to the appropriate group.
 - * Assign each group to the Order Broker application in IDCS or OCI IAM.
 - * Assign each user to the appropriate application role in IDCS or OCI IAM.
 - * Assign or reset the password for each user in IDCS or OCI IAM. This triggers an email to the email address specified for the user, who can log in using either the user name defined in IDCS or OCI IAM if it does not exceed 10 positions, or the email address.

Note:

If the user logs in after configuration in IDCS or OCI IAM, this creates the user record in Order Broker Cloud Service; otherwise, the record is created through the import job, described below.

Importing Users through the IDCS User Synchronization Job

After completing the required setup describe above, Select **Systems > Schedule Jobs** and run the **Identity Cloud User Synchronization** job to import the new users from IDCS or OCI IAM.



Each new user is created in Order Broker with the application role assignments from IDCS or OCI IAM:

- The user ID, name, email address, and cloud service user ID are from IDCS or OCI IAM; however, if the user ID is longer than 10 positions or is a duplicate of an existing user ID of 10 positions, it is truncated as described above.
- The admin flag is selected if the user is assigned to the OBCS_Admin application role in IDCS or OCI IAM.
- The role-based authority is from the `default` user's current settings.

After creation: Once users are created in Order Broker, you can maintain them; for example, you can change the email address, date formats, user name, authority, and default shipping system for Order Broker users, and you can flag a user as inactive so that the user cannot log in; however, this does not update the user's record in IDCS or OCI IAM. You can also delete the users from Order Broker, although this does not delete the corresponding records in IDCS or OCI IAM, and the user would be created again in Order Broker Cloud Service the next time the synchronization job runs.



Note:

The synchronization job does not update existing users in Order Broker.

Creating Vendor Users

If you also need to create vendor users in Order Broker, use the following process:

- In Order Broker, create one or more vendors. See the **Vendors** screen in the online help for more information.
- In Order Broker, create one or more role assignments with a *Role Type* of **Vendor**, controlling the default authority to Vendor Portal screens. Select the *Identity Cloud User Default* flag at the **Specify Role Name** step of the **Role Wizard**.

- In Order Broker, run the **Identity Cloud User Synchronization** job to create the vendor user groups in IDCS or OCI IAM corresponding to each vendor created in Order Broker. The vendor user group is created as <system>|<vendor>, where <system> is the system code identifying the default vendor system, and <vendor> is the code identifying the vendor. The synchronization job performs this creation in IDCS or OCI IAM each time it runs based on the existing roles in Order Broker.
- In IDCS or OCI IAM, assign each vendor user group to the OBCS_Vendor_User application role for the Order Broker application.
- In IDCS or OCI IAM, create each vendor user and assign it to the vendor user group associated with the same vendor. See [User Creation in IDCS or OCI IAM](#) for background on creating the user in IDCS or OCI IAM and notes about defining the user name.

 **Note:**

Assign the vendor user only to the vendor user group associated with the correct vendor. Order Broker does not support assigning a vendor user to more than one vendor.

- Run the **Identity Cloud User Synchronization** job again to import new vendor users from IDCS or OCI IAM. The vendor users are assigned role-based authority based on the vendor role types set up through the **Role Wizard** with the Identity Cloud User Default flag selected.

 **Note:**

The synchronization job does not update existing vendor users in Order Broker.

Creating Store Associate Users

If you also need to create store associate users in Order Broker, use the following process.

- In Order Broker, create the default Store Connect system for your organization. See the **Systems** screen in the online help for more information.
- In Order Broker, run the **Identity Cloud User Synchronization** job to create store user groups in IDCS or OCI IAM for each system that is flagged as the Store Connect default for an organization. The user group is named STC-SYSTEM, where SYSTEM is the system code of the Store Connect default system in your organization. The synchronization job performs this creation in IDCS or OCI IAM each time it runs based on the existing roles in Order Broker.
- In IDCS or OCI IAM, assign each store user group to the OBCS_Store_User role.
- In IDCS or OCI IAM, create each store associate user and assign it to the store user group associated with the appropriate system. See [User Creation in IDCS or OCI IAM](#) for background on creating the user in IDCS or OCI IAM and notes about defining the user name.
- In Order Broker, run the **Identity Cloud User Synchronization** job again to import new store associate users from IDCS or OCI IAM.

- Use the **Edit Store Associate User Profile** screen to finish configuration of the store associate user, including assigning one or more locations and flagging the user as active. The *Requires Location* field at the **Store Associate User Profiles** screen indicates that the store associate user requires location assignment.

 **Note:**

The synchronization job does not update existing store associate users in Order Broker.

 **Note:**

When you make any changes in IDCS or OCI IAM to an existing store associate's user role, the changes do not take effect until the user next logs in. For example, if the associate is currently logged into Store Connect and you remove the OBCS_Store_User role, the associate can continue working in the current, open session.

Scheduling the Identity Cloud User Synchronization Job

At the **Schedule Jobs** screen schedule the **Identity Cloud User Synchronization** job to run daily.

Assigning the Default Shipping System to the Admin User Profile

Follow the steps above under [Creating User Profiles](#) to assign the *Default Shipping System* to the Admin user profile. The *Default Shipping System* assigned to a user indicates the system product code to display on Order Broker screens.

 **Note:**

The *Default Shipping System* is not a required field at the User Profile screen if you have not yet created any systems in Order Broker.

Uploading Proximity Data

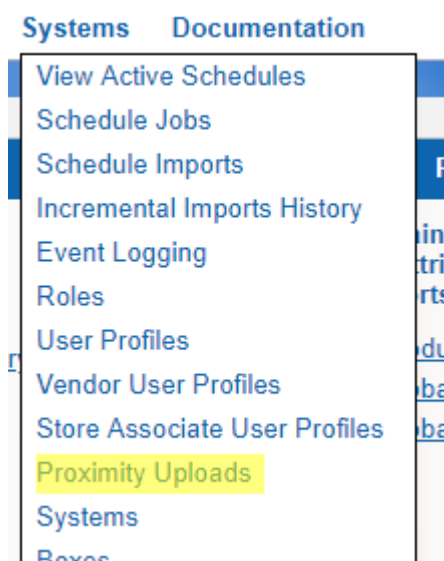
About proximity data: Proximity data enables you to search for merchandise or assign orders based on the approximate distance from a store, warehouse, or customer address.

 **Note:**

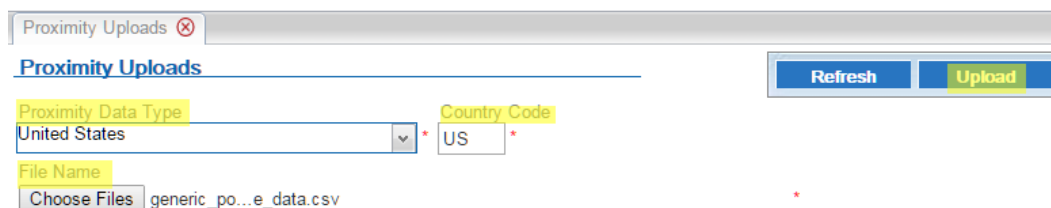
This step is required only if you are using proximity locator searching for locations through the Routing Engine, and only if you are not using the Oracle Maps Cloud Service. You can also perform this step at a later time.

If you are using Proximity Locator searching to restrict locate items searches or order assignment based on geographical location, and if you are not using the Oracle Maps Cloud Service, obtain the required .CSV file of postal code information before you begin the upload:

1. Select **Systems > Proximity Uploads**.



2. At the **Proximity Uploads** screen:
 - Select **Canada, International, or United States** from the *Proximity Data Type* drop-down list.
 - Enter the *Country Code* to apply to proximity records.
 - Use the **Choose Files...** button below the *File Name* field to select the .CSV file on your local computer.
 - Select **Upload**.


 A screenshot of the Oracle Proximity Uploads web interface. At the top, there is a breadcrumb 'Proximity Uploads' with a close icon. Below it, the title 'Proximity Uploads' is displayed. On the right side, there are two buttons: 'Refresh' and 'Upload'. The main form contains:

- A 'Proximity Data Type' dropdown menu with 'United States' selected.
- A 'Country Code' text input field with 'US' entered.
- A 'File Name' text input field with 'generic_po...e_data.csv' entered.
- A 'Choose Files' button next to the file name field.

3. Wait until the upload status is completed. Optionally, you can select **Refresh** to check the status.

For more information: See the **Proximity Uploads** screen in the Online Help for more information, including the file layout and troubleshooting. Also, see the **Order Broker**

Routing Engine Overview in the Online Help or the Operations Guide for a discussion of proximity locator searching and preferences, including the use of the Oracle Maps Cloud Service.

Creating Location Types

About location types: Location types identify a group of locations based on the system to which they belong, such as your order management system or your POS system, as well as their function, such as distribution center or retail store.

At least one location type is required for you to create locations.

1. Select **Locations > Location Types**.



2. At the **Location Types** screen, select your organization at the *Organization* drop-down box, if necessary.

 A screenshot of the Oracle 'Location Types' screen. At the top, there is a 'Search' button and a 'New' button. Below them are four input fields: 'Organization' (a drop-down menu), 'Type', 'Name', and 'Category' (a drop-down menu with 'S - Store' selected). Below the input fields is a 'Search Results' table with columns: Organization, Type, Name, Category, Edit, and Delete. The table contains one row with 'Store' in the Category column.

3. In the *Type* field, enter a code to represent the location type. The code cannot exceed 10 positions.
4. In the *Name* field, enter a name for the location type. The name cannot exceed 40 positions.
5. Select the correct category from the *Category* drop-down box.
6. Select **New**. The location type is created.

Setting up a Default Carrier and, Optionally, Additional Carriers

About carriers: A carrier is required on each order. At a minimum you need to set up a default carrier, specified at the **Preferences** screen.

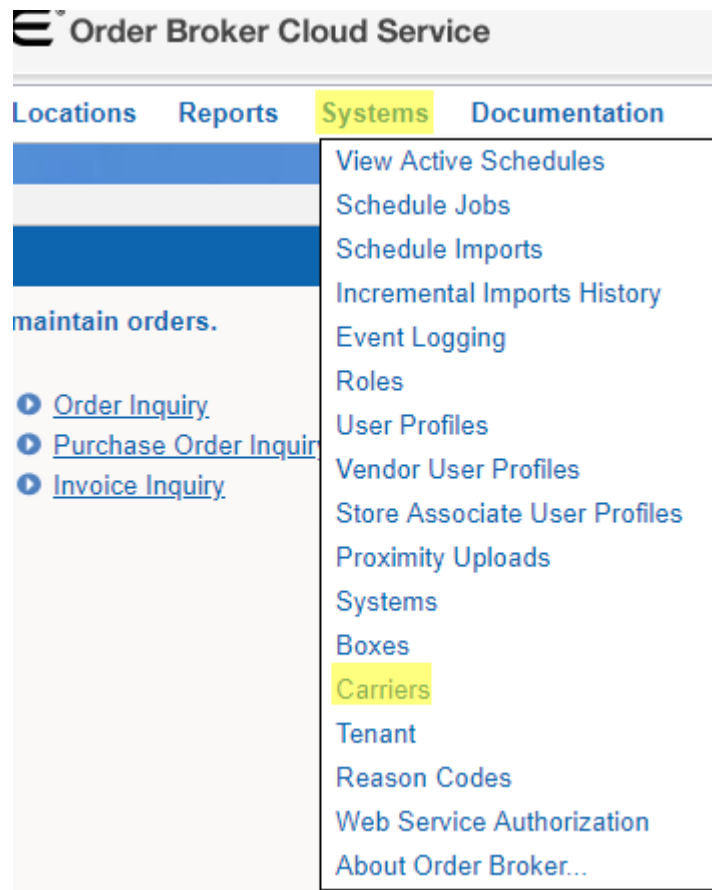
If the Submit Order message creating a delivery or ship-for-pickup order:

- specifies a `ship_via` that matches a carrier you have set up through the **Carriers** screen, Order Broker Cloud Service uses this carrier on the order and resets the carrier as active, if needed.
- specifies a `ship_via` that does not match a carrier you have set up through the **Carriers** screen, Order Broker Cloud Service creates the carrier and uses this carrier on the order.
- does not specify a `ship_via`, Order Broker Cloud Service uses the default carrier you specify at the **Preferences** screen.

For a pickup order, Order Broker Cloud Service uses the default PICKUP carrier it creates automatically, regardless of whether a `ship_via` is passed in the Submit Order message.

The following steps are required to set up the default carrier:

1. Select **Systems > Carriers**.



2. At the **Carriers** screen, select your organization if necessary and, optionally, enter a *Code* and *Description*. If you do not enter them here, you can enter them at the **New Carrier** window. Select **New**.

3. At the **New Carrier** window, complete any additional fields and select **Save**.

For more information: See the **Carriers** screen in the Online Help.

Creating the Default Unfulfillable Location

About the default unfulfillable location: The Routing Engine assigns an order to the default unfulfillable location when it cannot find a location to fulfill the order. You need to specify a default unfulfillable location at the **Preferences** screen.

1. Select **Locations > Locations**.
2. At the **Locations** screen:
 - Select your organization if necessary.
 - In the *Type* field, select the location type. The default unfulfillable location is ordinarily a warehouse or distribution center type.
 - In the *Location* field, enter a location code. The code cannot exceed 10 positions.
 - In the *Name* field, enter a name for the location. The name cannot exceed 40 positions.
 - In the *System* field, select the default system for your organization.
 - Select **New**.
3. At the **New Location** screen, enter any additional information about the default unfulfillable location, and select **Save** to save your entries.

For more information: See [Setting up Preferences for your Organization](#) for information on identifying the default unfulfillable location for the Routing Engine.

Setting up Preferences for your Organization

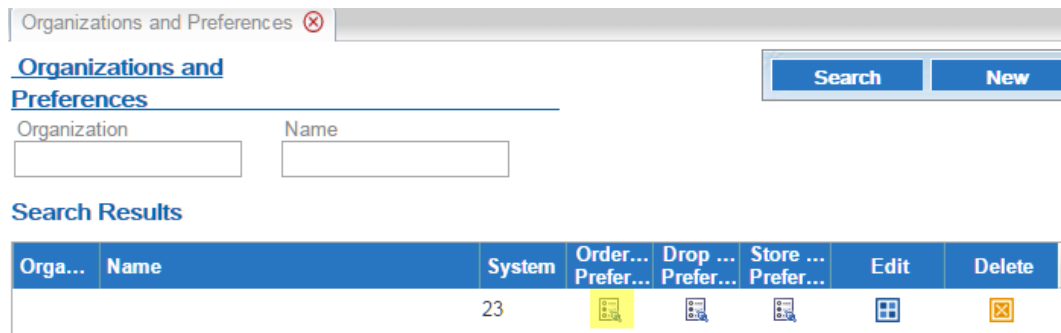
About preferences: Use the **Preferences** screen to set rules governing locate item searching and order assignment. You can set preferences at the organization, location type, and location level.

Saving again after running imports: After you import locations, products, system products, and product locations, you will need to reopen the **Preferences** screen, make any desired updates, and select **Save** to have your preferences apply to all locations. See [Scheduling Jobs](#) for more information.

1. Select **Locations > Organizations and Preferences**.



2. At the **Organizations and Preferences** screen, select the *Order Broker Preferences* icon for your organization.



3. At the **Preferences** screen:
 - Specify basic Routing Engine options, including whether to use the Proximity Locator, the default distance to use when searching for a location, and whether to use probability rules and zone fulfillment.

Preference Options

Yes No

Use Proximity Locator

Default Distance * *

Use Offline Newer Than *

No Offline Response Action *

Use Probability Rules Acknowledge Order Before Brokering

Use Zone Fulfillment Exclude Locations with Zero Availability

Use Maximum Order Limits Use Weighted Brokering Rules

Use Attribute Rules Update Offline Inventory

- At the **Order Broker Settings** tab:
 - Specify whether to group shipment locations in responses to `LocatelItems` requests for delivery orders, simply indicating whether the requested merchandise is available for shipment rather than listing locations in the `LocatelItems` response.
 - Indicate whether to support splitting orders or lines, or process partial status updates for order lines.
 - Specify the maximum number of locations to return in a `LocatelItems` response.
 - Specify the default unfulfillable location (set up through [Creating the Default Unfulfillable Location](#)). This location needs to have all of the Yes/No options under **Fulfillment** (*Backorder Available*, *Pickup Available*, *Delivery Available*, or *Ship For Pickup Sourcing* and *Ship For Pickup Receiving/Pickup*) set to **No**.
 - Specify the default carrier (set up through [Setting up a Default Carrier and, Optionally, Additional Carriers](#)).
 - Optionally, configure turn-by-turn distance calculation rather than straight-line distance calculation for delivery orders using a specified carrier. Turn-by-turn distance calculation is available only if you use Oracle Maps Cloud Service. In order to enable turn-by-turn distance calculation, the *Turn-by-Turn Distance URL* also needs to be specified at the Tenant- Admin screen.

Sample Ship-for-Pickup Organi...

Preference Options

Use Proximity Locator Yes No

Default Distance * *

Use Offline Newer Than *

No Offline Response Action *

Use Probability Rules Acknowledge Order Before Brokering

Use Zone Fulfillment Exclude Locations with Zero Availability

Use Maximum Order Limits Use Weighted Brokering Rules

Use Attribute Rules Update Offline Inventory

Shop Order When Proximity Unknown

Order Broker Settings **Fulfillment** Standard Brokering Weighted Brokering

Group Shipment Locations Allow Split Line

Allow Split Order Allow Partial Updates

Maximum No. Responses *

Default Unfulfillable Location *

Default Carrier *

Do Not Split Order For Carrier *

Turn-by-Turn Distance Evaluation for Delivery Orders

Carrier for Turn-by-Turn Distance Evaluation *

Maximum Turn-by-Turn Distance * *

For more information: See the **Preferences** screen in the online help for information on the additional options available at this tab.

- At the **Fulfillment** tab:
 - Specify the fulfillment types supported. Note that the options here differ based on whether ship-for-pickup orders are supported.
 - Specify the priority to use for order assignment, and the maximum number of orders to assign per day.
 - At the organization level, specify the maximum number of times to reassign (“reshop”) an order if it is rejected by the assigned fulfilling or sourcing location.
 - If your organization supports ship-for-pickup orders, specify the sourcing distance for the Routing Engine to use when shopping for sourcing locations.
 - Also at the **Fulfillment** tab, complete the settings related to automatically canceling unclaimed pickup or ship-for-pickup orders.

The screenshot shows the Oracle Preferences window with the 'Standard Brokering' tab selected. The left pane shows a tree view with 'store' and 'warehouse' folders. The right pane contains the following settings:

- Use Proximity Locator: Yes No
- Default Distance: 9999 miles
- Use Offline Newer Than: 01:00:00
- No Offline Response Action: Use Offline
- Use Probability Rules: Acknowledge Order Before Brokering:
- Use Zone Fulfillment: Exclude Locations with Zero Availability:
- Use Maximum Order Limits: Use Weighted Brokering Rules:
- Use Attribute Rules: Update Offline Inventory:

Under the 'Standard Brokering' sub-tab:

- Pickup Available: Yes No
- Delivery Available: Yes No
- Ship For Pickup Sourcing Available: Yes No
- Ship For Pickup Receiving/Pickup Available: Yes No
- Backorder Available: Yes No
- Location Priority: 5
- Search Retries: 5
- Maximum Daily Orders: 2 (0 is Unlimited)
- Sourcing Distance: 999 miles
- Auto Cancel Days of Unclaimed Pickup Orders: Not Used
- Auto Cancel Days of Unclaimed Ship For Pickup Orders: Not Used
- Auto Cancel Reason: Not Used

- At the **Standard Brokering** tab, complete the fields that control brokering orders if you do not use Weighted Brokering.

The screenshot shows the 'Standard Brokering' sub-tab with the following settings:

Field	Value	Field	Value
Proximity	3	Order By	Closest
On Hand Count	1	Order By	High To Low
Location Priority	2	Order By	Low To High
Last Order Assigned	Not Used	Order By	
Sales Velocity Rank	Not Used	Order By	

- At the **Weighted Brokering** tab, complete the fields that control brokering orders if you do use Weighted Brokering.

The screenshot shows the 'Weighted Brokering' tab with the following settings:

- Maximum Order Splits: 2 (0 is Unlimited)

Weighted Percentages

Labor Cost	0
Gross Margin	0
Proximity	0
On Hand Count	100
Sales Velocity	0
Priority	Largest To Smallest

Total Weights: 100

For more information: See the **Preferences** screen in the Online Help for complete field descriptions and background.

 **Important:**

You need to set all Order Broker preferences at the organization level before integrating any external systems with Order Broker Cloud Service. See the description of the **Preferences** screen in the online help for complete information on setting preferences.

Preference overrides: Optionally, you can set up overrides at the order type and system level for the Routing Engine to use when searching for fulfilling locations. For example, you can have the Routing Engine sort locations for pickup orders by proximity, while it sorts locations for delivery orders by available quantity. Unless you set up overrides, each level “inherits” the settings from the **Preferences** screen. See the **Order Broker Preference Overrides** screen in the Online Help for more information.

Scheduling Jobs

Use the **Schedule Jobs** screen to create schedules for jobs:

- Data Hygiene:
 - Completed Order Private Data Purge
 - Daily Clean Up
- Exports:
 - Fulfilled Inventory Export
 - Inventory Quantity Export
 - Sales Order Data Extract
- Imports:
 - Identity Cloud User Synchronization
 - Incremental Inventory Import
 - Product Import
- Orders:
 - Auto Cancel Unclaimed Pickup Orders
 - Email Notifications

See the **Schedule Jobs** screen in the online help for more information.

 **Note:**

Do not attempt to schedule jobs before creating systems.

About Scheduling Imports

About imports: The automated import process enables you to import and update locations, products, system products, product locations, and product barcodes from an integrated system.

 **Note:**

If you are using the Oracle Maps Cloud Service instead of the proximity upload to support proximity locator searching, you should complete Oracle Maps Cloud Service configuration before importing locations, so that the latitude and longitude of each location can be assigned as it is created. Contact your Oracle representative for information on implementing the Oracle Maps Cloud Service.

Import from default system first: In order to create product records in the default system before you create system product records in any other systems, you need to run the import for the default system before the other systems.

Processing steps: The import checks the OROB- IMPORTS container in the FILE_STORAGE table for a pipe-delimited file containing each type of information for import (location, product, system product, product location, and product bar code). See *Importing Items/Products, Inventory, Barcodes, and Locations into the Database* in the online help for background on the import process.

 **Important:**

Oracle recommends that you schedule imports daily at a time when demands on the system are limited, and when it does not interfere with the database backup, and that you do not schedule more than one import at a time against the same database.

Mapping from integrating systems: Consult the integrating system's documentation and complete the **Schedule Jobs** screen for systems that support the import process, including Order Management System.

For more information: See the **Order Broker Routing Engine Overview** in the online help for a process overview, and see **Schedule Jobs** in the online help for file layouts, file naming conventions, and mapping details.

Restart All

Use the **Reschedule All** option at the **View Active Schedules** screen to start all scheduled jobs and programs listed above as well as:

- scheduled report generation,
- polling of orders for Store Connect.

View Active Schedules

Job Name: Email Notifications Organization: []

Search Results

Job Name	Organization	Last Updated	Last Run	Next Run	History
Email Notifications		01/18/2019 03:57	08/09/2019 14:00	08/09/2019 14:01	

Adjust and Save Preferences

After importing locations, products, system products, and product locations, you need to return to the **Preferences** screen, make any necessary adjustments, and select **Save** again to apply the preference settings. You also need to save your preference settings after creating a new location to have the settings apply to each new location.

1. Select **Locations > Organizations and Preferences**.

Locations Reports Systems D

- Organizations and Preferences**
- Order Broker Preference Overrides
- Brands
- Location Types
- Locations
- Location Bulk Updates
- Attribute Definitions
- Fulfillment Zones
- Vendors

2. At the **Organizations and Preferences** screen, select the *Order Broker Preferences* icon for your organization.

Organizations and Preferences

Organization: [] Name: []

Search Results

Orga...	Name	System	Order... Prefer...	Drop ... Prefer...	Store ... Prefer...	Edit	Delete
		23					

At the **Preferences** screen, make any necessary changes at the organization, location type, or location type level, and select **Save**.

Setting up Web Service Authentication

See the [Retail Omnichannel Web Service Authentication Configuration Guide](#) on [My Oracle Support](#) for web service configuration instructions.