Oracle SCM Cloud

Using Supply Chain Collaboration

20A
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## Configure Supply Planning Collaboration

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## Manage Vendor-Managed Inventory

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<td>Manage with Oracle Fusion Supplier Portal</td>
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Preface
This preface introduces information sources that can help you use the application.

Using Oracle Applications

Help
Use help icons ? to access help in the application. If you don't see any help icons on your page, click your user image or name in the global header and select Show Help Icons. Not all pages have help icons. You can also access the Oracle Help Center to find guides and videos.

Watch: This video tutorial shows you how to find and use help.
You can also read about it instead.

Additional Resources
• Community: Use Oracle Cloud Customer Connect to get information from experts at Oracle, the partner community, and other users.
• Training: Take courses on Oracle Cloud from Oracle University.

Conventions
The following table explains the text conventions used in this guide.

<table>
<thead>
<tr>
<th>Convention</th>
<th>Meaning</th>
</tr>
</thead>
<tbody>
<tr>
<td>boldface</td>
<td>Boldface type indicates user interface elements, navigation paths, or values you enter or select.</td>
</tr>
<tr>
<td>monospace</td>
<td>Monospace type indicates file, folder, and directory names, code examples, commands, and URLs.</td>
</tr>
<tr>
<td>&gt;</td>
<td>Greater than symbol separates elements in a navigation path.</td>
</tr>
</tbody>
</table>
Documentation Accessibility

For information about Oracle's commitment to accessibility, visit the Oracle Accessibility Program website. Videos included in this guide are provided as a media alternative for text-based help topics also available in this guide.

Contacting Oracle

Access to Oracle Support

Oracle customers that have purchased support have access to electronic support through My Oracle Support. For information, visit My Oracle Support or visit Accessible Oracle Support if you are hearing impaired.

Comments and Suggestions

Please give us feedback about Oracle Applications Help and guides! You can send an e-mail to: oracle_fusion_applications_help_ww_grp@oracle.com.
Chapter 1
Introduction

Supply Chain Collaboration Introduction

Overview of Supply Chain Collaboration

Oracle Fusion Supply Chain Collaboration is a collaboration platform that manages cross-company planning and execution processes for Oracle Fusion Supply Chain Management (SCM). You use Supply Chain Collaboration with Oracle SCM Cloud Services to get timely updates from your key suppliers and contract manufacturers on important supply chain decisions.

Supply Chain Collaboration supports the following processes:

- Supply planning collaboration to collaborate on order forecasts with tier 1 and tier 2 suppliers. The supply chain planners publish order forecasts to suppliers. The suppliers can view and analyze the order forecasts and commit to supply the requested item quantities over the planning horizon. The collaboration planners can review and adjust the supplier's commits if necessary. The commits flow to Oracle Fusion Planning Central Cloud Service or Oracle Fusion Supply Planning, where they are used as supplier capacity.

- Contract manufacturing collaboration to share supplier's (contract manufacturer's) production progress. The suppliers can also view previously submitted updates for their projects. Once uploaded, production reports are automatically submitted to Oracle Manufacturing Cloud, and the completion status and materials usage status of the contract manufacturing work order is updated.

- Vendor-managed inventory (VMI) enables the supplier to manage items that are located at the buyer's location. You can share on-hand quantities with the supplier, establish minimum and maximum inventory thresholds, and alert the supplier to items requiring replenishment. Suppliers can initiate the replenishment process, which can then be automated by the enterprise using Oracle Fusion Procurement.

- Business to Business (B2B) message monitoring to see the number of failed or undelivered messages. You can monitor messages for all processes, including order-to-cash and source-to-settle. The administrators can investigate the details and reprocess the failed messages when appropriate.

Supply Planning Collaboration

Overview of Supply Planning Collaboration

You can use the Supply Chain Collaboration work area to view open collaboration tasks and monitor order forecast commit status. You can also view exceptions that potentially need attention.

In the Oracle Fusion Supplier Portal Overview work area, suppliers can participate in supply planning collaboration by reviewing and responding to order forecasts.

Use supply planning collaboration to:

- Publish supply plans from Oracle Fusion Planning Central Cloud Service or Oracle Fusion Supply Planning, which can be analyzed and shared with suppliers as order forecasts. You can collaborate on supply plans.
published from Planning Central or Supply Planning using organizations and items defined within the Oracle Fusion product data model or items and organizations defined in Supply Planning imported from an external source system.

**Note:** A supply plan that's partly defined in an Oracle application and partly in an external system isn't supported.

For more information on collecting planning data from others and external source systems, see the Oracle Supply Chain Management Cloud Using Supply Planning guide.

- Allow suppliers to view and analyze the order forecasts and commit by using Supplier Portal, Business to Business (B2B) messaging, or web services.
- Allow Supply Chain Collaboration Planners to review all published forecasts and commits by using the Manage Order Forecasts and Commits page.
- Manage exceptions by using the Supply Chain Collaboration work area. The exceptions may be due to:
  - Past due commits, where the supplier hasn't committed by the agreed commit due date established in the Service Level Agreement (SLA).
  - Forecast changes, where the current cycle forecast quantity has changed from the previous cycle.
  - Commit mismatches, where the committed quantity is less than the forecast quantity for a given date.
- Manage a trading partner network by using the Manage Supply Collaboration Network page.

### Supply Planning Collaboration Components

The supply planning collaboration process provides you with a seamless flow of information by bringing together supply planning, order forecasts, and supplier commits.
This figure provides an overview of the supply planning collaboration components:

Based on the process and actions performed, the supply planning collaboration components are:

- Decomposition
- Orchestration
- Execution systems
The following table describes the supply planning collaboration components, the internal processes, and the corresponding actions.

<table>
<thead>
<tr>
<th>Supply Planning Collaboration Components</th>
<th>Internal Process</th>
<th>Actions</th>
</tr>
</thead>
</table>
| Supply plan creation applications        | Supply plans are created in Oracle Fusion Supply Planning or Oracle Fusion Planning Central Cloud Service. The Publish Order Forecast scheduled process filters the supply plan data by:  
  - Supply plan  
  - Organization for supply planning  
  - Planner, which is the Supply Demand Planner ID  
  - Category  
  - Item, which is the enterprise item ID  
  - Supplier  
  - Supplier site | • Record the supply plans in the Supply Planning tables  
  • Record the supply plan data in the Supply Chain Collaboration interface tables after the scheduled process is run | |
| Interface Tables                         | The data is ready for collaboration. | Store supply forecast and commit data in the Supply Chain Collaboration interface tables |
| Decomposition                            | The Supply Planning Collaboration Decomposition scheduled process:  
  • Reads the payloads from the interface tables  
  • Evaluates forecast exceptions  
  • Creates or updates an order forecast, used by Supply Chain Collaboration to publish to suppliers  
  • Assigns and launches the orchestration process | • Create order forecasts  
  • Update order forecast mid-cycle  
  • Launch orchestration process |
| Orchestration                            | Orchestrates supply by:  
  • Assigning an orchestration process and starting orchestration  
  • Running the determined business process | • Publish forecasts to Oracle Fusion Supplier Portal and Supply Chain Collaboration  
  • Send B2B messages |
Oracle SCM Cloud
Using Supply Chain Collaboration

Chapter 1
Introduction

<table>
<thead>
<tr>
<th>Supply Planning Collaboration Components</th>
<th>Internal Process</th>
<th>Actions</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>• Grouping Business to Business (B2B) messages by supplier site per plan</td>
<td>• Supplier provides commits</td>
</tr>
<tr>
<td>Execution systems</td>
<td>Suppliers use the Supplier Portal to process commits for the order forecasts received from Supply Chain Collaboration. Collaboration planners use the Supply Chain Collaboration to process commits on behalf of suppliers.</td>
<td>• Contract Manufacturer reviews order forecasts for their upstream suppliers</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• Collaboration planner reviews order forecasts and provides commits</td>
</tr>
</tbody>
</table>

The entities that are created and managed during collaboration are:

- Supply plans: Contain the supply orders created for a supply request, which are published to Supply Chain Collaboration. These plans are created in Supply Planning or Planning Central.
- Collaboration plans: Contain the order forecasts based on the supply plans that are eligible for collaboration for a specified collaboration period. These plans are created in Supply Chain Collaboration.
- Order forecasts: Contain the forecast and commit quantities by the suggested date that is used to create the time bucket.

Supply Planning Collaboration Flow

The supply planning collaboration process flow includes the following steps:

1. A Supply Chain Planner uses Oracle Fusion applications, such as Oracle Fusion Supply Planning or Oracle Fusion Planning Central Cloud Service to create supply plans. The supply plans can use organizations and items defined within the Oracle Fusion product data model or imported from an external source system.
2. The Supply Chain Planner decides which supply plan data to send to Oracle Fusion Supply Chain Collaboration. The data can be filtered by attributes such as suppliers, items, and so on.
3. Supply Chain Collaboration receives the supply plans and stores the supply plans in interface tables.
4. Supply Chain Collaboration decomposition process decomposes the supply plans and creates order forecasts.
5. The orchestration process publishes the order forecasts to the suppliers through Oracle Fusion Supplier Portal, B2B Messaging using Oracle Fusion Collaboration Messaging Framework, or web services.
6. The Supply Chain Collaboration Planners and the Supplier Demand Planners can view the open collaboration tasks.
7. The Supply Chain Collaboration Planners and the Supplier Demand Planners can view the exceptions that potentially need attention arising due to various reasons, such as past due commits, forecast changes, and forecast commit mismatches.
8. The Supplier Demand Planners can review each time bucket request and commit to supply the requested item quantity in Supplier Portal. The Supply Chain Collaboration Planners can search and view all the published order forecasts and commits on the Manage Order Forecasts and Commits page. The Supply Chain Collaboration Planners can also update order commits on behalf of a supplier.
9. The orchestration process triggers decomposition of the order commits from suppliers and stores the order commits in interface tables.
10. The Supply Chain Planners can pull supplier commits back into Supply Planning or Planning Central Cloud Service as supplier capacity.
Related Topics

- Publish Order Forecast
- Receive Supplier Commits

Supply Planning Collaboration User Roles

Here are the supply planning collaboration user roles:

<table>
<thead>
<tr>
<th>User Role</th>
<th>Description</th>
</tr>
</thead>
</table>
| Supply Chain Planner               | • Manages supply plans in Oracle Fusion Planning Central Cloud Service or Oracle Fusion Supply Planning  
                                         • Releases order forecasts to suppliers requesting order commits                                                                                   |
| Supply Chain Collaboration Planner | • Reviews order forecasts and supplier commits  
                                         • Reviews and manages exceptions around supply planning commits  
                                         • Updates commits on behalf of a supplier                                                                                                         |
| Supplier Demand Planner            | • Reviews order forecasts  
                                         • Provides commits to order forecasts using supplier portal, collaboration messaging, or direct web services                                    |
| Supply Chain Application Administrator | • Manages supply collaboration network  
                                         • Manages collaboration plans  
                                         • Manages collaboration planners  
                                         • Defines aggregation schedules  
                                         • Enables and reviews Business to Business (B2B) messages                                                                                         |
| Supply Chain Integration Specialist | • Uses the Export Collaboration Order Forecasts scheduled process                                                                               |

Contract Manufacturing Collaboration

Overview of Contract Manufacturing Collaboration

Contract manufacturing collaboration enables suppliers and the original equipment manufacturers to manage production reports and manufacturing transactions.

Contract Manufacturing Collaboration with Suppliers

The contract manufacturing collaboration process enables suppliers (contract manufacturers) to manage production reports.
In the Oracle Fusion Supplier Portal Overview work area, the supplier can:

- Navigate to the collaboration area and upload production reports to update manufacturing progress. The transactions uploaded by the supplier are automatically submitted to manufacturing so that the completion status and materials usage status of the contract manufacturing work order can be updated.
- Search and view completed production reports for their assigned purchase orders.

Contract Manufacturing Collaboration with Original Equipment Manufacturers

The contract manufacturing collaboration process enables the original equipment manufacturers (OEM) to track contract manufacturer’s manufacturing progress.

OEM can navigate from Oracle Fusion Supply Chain Collaboration, the Supply Chain Collaboration work area or Oracle Fusion Supply Chain Orchestration, the Supply Lines Overview work area to:

- Search for and view the supplier-provided updates for the in-progress contract manufacturing purchase orders.
- Resubmit a report to manufacturing if the automatic submission fails.

Contract Manufacturing Collaboration Flow

The contract manufacturing collaboration process flow includes the following steps:

1. The Supply Chain Operations Manager can view the contract manufacturing production reports submitted by suppliers (contract manufacturers) in Oracle Fusion Supply Chain Collaboration, the Supply Chain Collaboration work area or in Oracle Fusion Supply Chain Orchestration, the Supply Lines Overview work area.
2. The Supply Chain Operations Manager can view the supply orders that are in jeopardy and navigate to the manufacturing application to view the details of the supply order.
3. The Supply Chain Operations Manager can contact the supplier for more information about the supply order in jeopardy.
4. The Supplier Inventory Manager can navigate to the Manage Production Reports page to upload production reports to update manufacturing progress in Oracle Manufacturing.
5. The Supply Chain Operations Manager can view the updated production report by using Supply Chain Collaboration or Supply Chain Orchestration.

Contract Manufacturing Collaboration User Roles

The following table describes the contract manufacturing collaboration user roles:

<table>
<thead>
<tr>
<th>User Role</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Supply Inventory Manager</td>
<td>This role is assigned to suppliers (contract manufacturers) to:</td>
</tr>
<tr>
<td></td>
<td>- Access Oracle Fusion Supplier Portal</td>
</tr>
<tr>
<td></td>
<td>- View summary reports</td>
</tr>
</tbody>
</table>


Vendor-Managed Inventory

Overview of Vendor-Managed Inventory

Vendor-managed inventory (VMI) is a supply chain management strategy in which a supplier manages items that are located at the buyer's location. You can use the Oracle Fusion Supply Chain Collaboration work area to view vendor-managed inventory tasks.

In Supply Chain Collaboration work area, enterprise users such as a vendor-managed inventory analyst can view VMI replenishment item status and supplier-initiated replenishment requests. Supply chain application administrators can manage the VMI network and VMI analysts.

In the Oracle Fusion Supplier Portal work area, suppliers can monitor on-hand quantities and replenishment status for the items they manage. If enabled, suppliers can also initiate the replenishment process by creating replenishment requests and adjust minimum and maximum inventory thresholds.

You can use the vendor-managed inventory features to:

- Allow suppliers to view and analyze on-hand quantities by using Supplier Portal or Vendor-Managed Inventory Items REST service.
- Share enterprise determined minimum and maximum inventory thresholds or even allow the supplier to manage these thresholds using Supplier Portal or Vendor-Managed Inventory Items REST service.
- Allow suppliers to initiate the replenishment process by submitting replenishment requests using Supplier Portal or Vendor-Managed Inventory Replenishment Requests REST service.
- Provide visibility to the entire replenishment life cycle for items managed by the supplier using Supplier Portal.
- Allow a VMI analyst to monitor the replenishment status of all replenishment items and supplier-initiated replenishment requests using the Manage Inventory page or web services.
- Allow a supply chain application administrator to manage VMI relationships by using the Manage VMI Network page or Vendor-Managed Inventory Relationships REST service.
- Allow a supply chain application administrator to manage VMI analysts by using the Manage VMI Analyst page or Vendor-Managed Inventory Analysts REST service.

<table>
<thead>
<tr>
<th>User Role</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>User Role Description</td>
<td>Description</td>
</tr>
<tr>
<td>• Navigate to the collaboration</td>
<td>• View supplier-provided updates for the in-progress contract manufacturing</td>
</tr>
<tr>
<td>area and provide manufacturing or</td>
<td>purchase orders</td>
</tr>
<tr>
<td>production report updates</td>
<td></td>
</tr>
<tr>
<td>Supply Chain Operations Manager</td>
<td>This role is assigned to original equipment manufacturers (OEM) to:</td>
</tr>
<tr>
<td></td>
<td>• View supplier-provided updates for the in-progress contract manufacturing</td>
</tr>
<tr>
<td></td>
<td>purchase orders</td>
</tr>
</tbody>
</table>
Vendor-Managed Inventory Components

Vendor-managed inventory (VMI) provides visibility into the entire replenishment process. VMI enables the supplier or the enterprise user to own inventory planning and replenishment creation activities.

Based on the process and actions performed, VMI tasks are performed in the following product work areas:

- Oracle Fusion Supply Chain Collaboration
- Oracle Fusion Procurement
- Oracle Fusion Inventory Management
- Oracle Fusion Financials
VMI When Supplier Owns Inventory Planning and Replenishment

This figure provides an overview of VMI when a supplier owns inventory planning and replenishment:

Note: The process illustrates the supplier as the min-max quantity source. However, this process also supports the enterprise as the min-max quantity source. Min-max quantities can be manually updated or automatically calculated using the Calculate Min-Max Planning Policy Parameters scheduled process. For more information, see the Oracle Supply Chain Management Cloud Using Inventory Management guide.
### Supplier Inventory Planning Owner Flow

The VMI process flow when a supplier owns inventory planning and replenishment includes the following steps:

1. Depending on who the min-max quantity source is for an item, the enterprise user or the supplier sets the minimum and maximum quantities for the item. If enterprise and VMI relationship scope is organization, min-

<table>
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<tr>
<th>Work Areas</th>
<th>VMI Process</th>
<th>Actions</th>
</tr>
</thead>
<tbody>
<tr>
<td>Supplier Portal</td>
<td>Supplier updates the item’s minimum and maximum quantities</td>
<td>Suppliers provide minimum and maximum thresholds</td>
</tr>
<tr>
<td>Inventory Management</td>
<td>Enterprise maintains on-hand quantities in Inventory Management</td>
<td>Share on-hand quantities with suppliers and VMI analysts</td>
</tr>
<tr>
<td>Supplier Portal</td>
<td>Calculate replenishment status using on-hand quantities and minimum and maximum thresholds</td>
<td>Suppliers create replenishment requests</td>
</tr>
<tr>
<td>Supply Chain Collaboration</td>
<td>Replenishment request is transformed into an externally managed purchase requisition using the Purchase Request web service</td>
<td>NA</td>
</tr>
<tr>
<td>Procurement</td>
<td>Based on a blanket purchase agreement, a purchase order is generated from the requisition, either automatically or manually</td>
<td>Create and approve the purchase order</td>
</tr>
<tr>
<td></td>
<td></td>
<td>If the requisition is not automatically converted into a purchase order. You can search for requisitions requiring manual processing, using the Process Requisitions and View Requisition Lines tasks.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Enterprise users can find the number of the generated purchase requisition using the Manage Replenishment Requests page in the Supply Chain Collaboration work area.</td>
</tr>
<tr>
<td>Supplier Portal</td>
<td>Purchase order awaits shipment</td>
<td>Supplier creates an advanced shipment notice (ASN)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Supplier ships the product</td>
</tr>
<tr>
<td>Inventory Management</td>
<td>Enterprise receives the shipment and delivers the items</td>
<td>Create a receipt notice</td>
</tr>
<tr>
<td>Supplier Portal</td>
<td>Supplier creates an invoice or enterprise can generate the invoice on behalf of the supplier</td>
<td>Supplier creates an invoice</td>
</tr>
<tr>
<td>Financials</td>
<td>Enterprise pays supplier</td>
<td>Enterprise creates a payment notice</td>
</tr>
</tbody>
</table>
max quantities are set on the item record. If enterprise and VMI relationship scope is subinventory, min-max quantities are set at the item subinventory. If supplier, min-max quantities are set on the Manage Inventory page in the Supplier Portal work area or using the Vendor-Managed Inventory Items REST service.

2. The supplier monitors the replenishment status of items and decides which items need replenishment. If the on-hand quantity is less than the minimum quantity, the supplier creates a replenishment request.

3. The supplier submits replenishment request, which is then transformed into an externally managed purchase requisition by Supply Chain Collaboration using the Purchase Request web service.

4. Based on a blanket purchase agreement, a purchase order is generated from the requisition either automatically or manually by the buyer. The purchase order is then approved and ready for the supplier to fulfill. For more information on purchase agreements and purchase orders, see the Oracle Procurement Cloud Using Procurement guide.

5. The supplier inventory manager is now able to fulfill the purchase order. They can view the open purchase order quantity in the Purchase Order Quantity column on the Manage Inventory page. They can also navigate to the open purchase orders using the Manage Orders page.

6. The supplier inventory manager is now able to ship the product. The supplier optionally creates an advanced shipment notice (ASN) using Create ASN on the Manage Inventory page. Once an ASN is created the quantity shipped now appears as In-Transit Quantity on the Manage Inventory page.

7. The inventory management user receives and delivers the item to its deliver-to location. The supplier inventory manager can view the items awaiting to be delivered using the Received Quantity column on the Manage Inventory page. Once an item has been delivered it will be included in the on-hand quantity.

8. The supplier inventory manager may create an invoice, or an invoice will be automatically generated by the enterprise on behalf of the supplier. The supplier inventory manager can view the invoices associated to a specific replenishment item by using Review Item Transactions on the Manage Inventory page.

9. The enterprise processes the invoice and generates a payment. The supplier inventory manager can view the payments associated with a specific replenishment item using Review Item Transactions on the Manage Inventory page.
VMI When Enterprise Owns Inventory Planning and Replenishment

This figure provides an overview of VMI when the enterprise owns inventory planning and replenishment:
The following table describes the product work areas, VMI processes, and the corresponding actions.

<table>
<thead>
<tr>
<th>Work Areas</th>
<th>VMI Process</th>
<th>Actions</th>
</tr>
</thead>
<tbody>
<tr>
<td>Item Record</td>
<td>Enterprise maintains minimum and maximum thresholds on the item or item</td>
<td>Share minimum and maximum thresholds with suppliers and VMI analysts</td>
</tr>
<tr>
<td>Item Subinventory Record</td>
<td>subinventory record. Min-max quantities can be manually updated or calculated</td>
<td></td>
</tr>
<tr>
<td></td>
<td>using the Calculate Min-Max Planning Policy Parameters scheduled process. To</td>
<td></td>
</tr>
<tr>
<td></td>
<td>learn more see the Oracle Supply Chain Management Cloud Using Inventory</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Management guide.</td>
<td></td>
</tr>
<tr>
<td>Inventory Management</td>
<td>Enterprise maintains on-hand quantities in Inventory Management</td>
<td>Share on-hand quantities with suppliers and VMI analysts</td>
</tr>
<tr>
<td>Supplier Portal</td>
<td>Calculate replenishment status using on-hand quantities and minimum and</td>
<td>Suppliers monitor replenishment status</td>
</tr>
<tr>
<td></td>
<td>maximum thresholds.</td>
<td></td>
</tr>
<tr>
<td>Inventory Management</td>
<td>Enterprise performs inventory replenishment.</td>
<td>Enterprise runs min-max planning report or manually creates purchase</td>
</tr>
<tr>
<td>Supplier Portal</td>
<td>Purchase order awaits shipment</td>
<td>orders. For more information, see the Oracle Supply Chain Management</td>
</tr>
<tr>
<td></td>
<td>Supplier creates an advanced shipment notice (ASN)</td>
<td>Cloud Using Inventory Management guide</td>
</tr>
<tr>
<td></td>
<td>Supplier ships a product</td>
<td></td>
</tr>
<tr>
<td>Financials</td>
<td>Enterprise pays supplier</td>
<td>Enterprise creates a payment notice</td>
</tr>
</tbody>
</table>

Enterprise Inventory Planning Owner Flow

The VMI process flow when the enterprise owns inventory planning and replenishment includes the following steps:

1. The enterprise user sets the minimum and maximum quantities. If the VMI relationship scope is organization, min-max quantities are set on the item record. If the VMI relationship scope is subinventory, min-max quantities are set on the item subinventory.

2. The enterprise user can also automatically calculate min-max quantities using the Calculate Min-Max Planning Policy Parameters scheduled process. The enterprise user monitors the replenishment status of the item and
decides which item needs replenishment. To replenish items, the enterprise user creates purchase orders manually or generates purchase orders automatically by running the min-max planning report. For more information about min-max planning report, see the Oracle Supply Chain Management Cloud Using Inventory Management guide.

3. Optionally, the generated purchase order can require supplier acknowledgment. The supplier is allowed to make changes to the suggested replenishment at that time. The supplier can view the requiring acknowledgment quantity in the Pending Acknowledgment column on the Manage Inventory page. They can also navigate to the purchase orders using the Manage Orders page.

4. Once acknowledged, the supplier inventory manager is now able to fulfill the purchase order. They can view the open purchase order quantity listed in the Purchase Order Quantity column on the Manage Inventory page. They can also navigate to the open purchase orders using the Manage Orders page.

5. The supplier inventory manager is now able to ship the product. The supplier can optionally create an advanced shipment notice (ASN) using Create ASN on the Manage Inventory page. Once the ASN is created, the quantity shipped now appears as In-Transit Quantity on the Manage Inventory page.

6. The inventory management user receives and delivers the item to its deliver-to location. The supplier inventory manager can view the items awaiting to be delivered using the Received Quantity column on the Manage Inventory page. Once an item is delivered it will be included in the on-hand quantity.

7. The supplier inventory manager may create an invoice, or an invoice will be automatically generated by the enterprise on behalf of the supplier. The supplier inventory manager can view the invoices associated to a specific replenishment item using Review Item Transactions on the Manage Inventory page.

8. The enterprise processes the invoice and generates a payment. The supplier inventory manager can view the payments associated to a specific replenishment item using Review Item Transactions on the Manage Inventory page.

Vendor-Managed Inventory User Roles

The following table describes the vendor-managed inventory (VMI) user roles:

<table>
<thead>
<tr>
<th>User Role</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Vendor-Managed Inventory Analyst</td>
<td>An enterprise user who can perform the following tasks using Oracle Fusion Supply Chain Collaboration work area and REST services:</td>
</tr>
<tr>
<td></td>
<td>• Monitor replenishment status using the Manage Inventory page and infolets</td>
</tr>
<tr>
<td></td>
<td>• View on-hand quantities for replenishment items</td>
</tr>
<tr>
<td></td>
<td>• View min-max inventory thresholds</td>
</tr>
<tr>
<td></td>
<td>• Review replenishment item transactions</td>
</tr>
<tr>
<td></td>
<td>• Monitor replenishment requests using the Manage Replenishment Requests page and the Replenishment Requests infolet</td>
</tr>
<tr>
<td></td>
<td>• Monitor the replenishment life cycle by viewing replenishment item transactions and the Replenishment Life Cycle infolet</td>
</tr>
<tr>
<td>Supply Chain Application Administrator</td>
<td>An enterprise user who can perform the following tasks:</td>
</tr>
<tr>
<td></td>
<td>• Manage VMI network relationships</td>
</tr>
<tr>
<td></td>
<td>• Manage VMI analysts</td>
</tr>
<tr>
<td></td>
<td>• Manage network and enterprise user data security using REST services</td>
</tr>
</tbody>
</table>
## B2B Messaging

### Overview of B2B Messages

Business to Business (B2B) messages exchange information among trading partners about key transactions in the planning collaboration, order-to-cash, and source-to-settle processes. Oracle Fusion Supply Chain Collaboration uses Oracle Fusion Collaboration Messaging Framework to better manage B2B communications with large numbers of suppliers. For a supplier to exchange B2B messages, you must enable the supplier site for B2B collaboration and select the service providers and B2B messages that apply to them.

Using the Supply Chain Collaboration work area, the collaboration planner can:

- View a count of the failed and undelivered messages.
- View details of the failed and undelivered messages.
- Contact the B2B administrator to investigate the failed and undelivered messages and reprocess them.
2 Configure Supply Planning Collaboration

Types of Supply Planning Collaboration

The following types of supply planning collaborations are supported:

- Managed collaboration: Where the collaboration plan and collaboration relationship are defined in Oracle Fusion Supply Chain Collaboration.

- B2B Only collaboration: Where the collaboration plan and collaboration relationship are not defined in Supply Chain Collaboration and Supply Chain Collaboration is a pass through to Oracle Collaboration Messaging Framework. For B2B Only collaboration, the supplier site must be enabled for Collaboration Messaging Framework forecast or commit collaboration. B2B Only collaboration data will not be included in the following:
  - Oracle Fusion Supplier Portal
  - Supply Chain Collaboration exception evaluation
  - Supply Chain Collaboration historical tables

For more information on using collaboration messaging, see the Oracle Procurement Cloud Implementing Procurement guide.

Manage Supply Collaboration Network

How You Manage Supply Collaboration Network

You create a collaboration relationship between trading partners to supply an item. The Manage Supply Collaboration Network page displays the list of collaboration relationships between trading partners. You can use the search section to view the relevant collaboration relationships. For example, you can view all the relationships defined as a combination of a ship-from supplier site, ship-to organization, and an item.

Note: You need the Supply Chain Application Administrator role to configure Oracle Fusion Supply Chain Collaboration.

You can access the Manage Supply Collaboration Network page from the Supply Chain Collaboration work area by clicking the Manage Supply Collaboration Network task in the Tasks panel. In the Manage Supply Collaboration Network page, you can perform the following actions:

- Search for relationships
- Create new relationships
- Modify relationships
Search for Collaboration Relationships

On the Manage Supply Collaboration Network page, you can search for and view the collaboration relationship by entering the search parameters.

Create a Collaboration Relationship

On the Manage Supply Collaboration Network page, you can create a collaboration relationship between trading partners.

Note: On the Manage Supply Collaboration Network page, you can't create collaboration relationships sourced from an external source system.

To create a collaboration relationship:

1. In the Supply Chain Collaboration work area, click Manage Supply Collaboration Network in the Tasks panel.
2. On the Manage Supply Collaboration Network page, click Actions > Create.
3. On the Create Relationship dialog box, select the values for Ship-from Supplier Site and Ship-to Organization.

   The fields relevant to the ship-from supplier and ship-to organization are populated.

   To define a drop ship relationship, select a ship-to organization where the ship-from supplier site and ship-to supplier site are the same.

4. Select the item the trading partners can supply from the site.

   You can see only the items associated with the selected organization listed. The item must be associated to the ship-to organization in the Product Information Management work area before it can be selected in the Supply Chain Collaboration work area.

5. Enter the effective start date and effective end date. The effective dates determine when a relationship is active.

   If you don't enter a start date, the relationship is treated as active from the current date until the end date. If you don't enter an end date, the relationship is treated as active from the start date.

   You can create only one relationship for a combination of a ship-from supplier site, ship-to organization, and an item with the same effective date range.

6. Click Save and Continue to save the new relationship.

7. On the Edit Relationship page, enter values for these fields:

   - Forecast Horizon in Days: The duration Supply Chain Collaboration must provide forecast data to the supplier.
   - Commit Horizon in Days: The duration a supplier must provide commit data to Supply Chain Collaboration.
   - Commit SLA in Days: The number of days a supplier has to provide commits against a forecast. If the supplier doesn't provide commit an exception is thrown.

Decomposition calculates all collaboration parameters configured with the Supply Chain Collaboration managed relationships. For example, if the Commit SLA is 2 days and the forecast is received on 5 Jan, 2017, the Commit Due Date will be 7 Jan, 2017. In addition to the schedule details, the latest commit due date is also stored. This is the due date used when calculating commit due dates.
8. Click **Save and Close** to save the new relationship.

## Modify a Collaboration Relationship

On the Manage Supply Collaboration Network page, you can modify a collaboration relationship between trading partners.

**To modify a collaboration relationship:**

1. In the Supply Chain Collaboration work area, click **Manage Supply Collaboration Network** in the Tasks panel.
2. On the Manage Supply Collaboration Network page, search for the collaboration relationship.
3. Select a row in the search results and click **Actions > Edit**.
4. On the Edit Relationship page, modify the following parameters:
   - Effective Start Date
   - Effective End Date
   - Forecast Horizon in Days
   - Commit Horizon in Days
   - Commit SLA in Days
5. Click **Save and Close**.

**Note:** For an existing collaboration relationship, changes to the relationship attributes will not be effective until the next planning cycle.

## Duplicate a Collaboration Relationship

On the Manage Supply Collaboration Network page, you can duplicate an existing collaboration relationship to create a new relationship. This can save time when you need to create multiple relationships among a set of trading partners that differ only by item or by site.

**Note:** You can't duplicate collaboration relationships sourced from an external source system.

**To duplicate a collaboration relationship:**

1. In the Supply Chain Collaboration work area, click **Manage Supply Collaboration Network** in the Tasks panel.
2. On the Manage Supply Collaboration Network page, search for the collaboration relationship.
3. Select a row in the search results and click **Actions > Duplicate**.
4. On the Create Relationship dialog box, the **Ship-from Supplier Site**, **Ship-to Organization**, and **Item** fields are populated from the existing relationship.
5. Select new values for **Ship-from Supplier Site** and **Ship-to Organization**.

   The items relevant to the ship-from supplier and ship-to organization are populated.

**Note:** The relationship between the ship-from supplier, ship-to organization, and item is unique. You can't have more than one relationship with the same combination.

6. Select the item the trading partners can supply.
7. Enter the effective start date and effective end date.
   The effective dates determine when a relationship is active.

   **Note:** If you don’t enter a start date, the relationship is treated as active from the current date until the end date. If you don’t enter an end date, the relationship is treated as active from the start date.

8. Do one of the following:
   - Click **Save and Create Another** to save the new relationship, display the relationship in the search results, and to be ready to create another relationship using the same values.
   - Click **Save and Close** to save the new relationship and close the Create Relationship dialog box.
   - Click **Save and Continue** to save the new relationship and edit the relationship.

9. On the Edit Relationship page, enter the following values:
   - Forecast Horizon in Days
   - Commit Horizon in Days
   - Commit SLA in Days

10. Click **Save and Close** to save the new relationship.
    Requery to display the relationship in the search results.

### Delete a Collaboration Relationship

On the Manage Supply Collaboration Network page, you can delete a collaboration relationship.

To delete a collaboration relationship:

1. In the Supply Chain Collaboration work area, click **Manage Supply Collaboration Network** in the Tasks panel.
2. On the Manage Supply Collaboration Network page, search for the collaboration relationship.
3. Select a row in the search results and click **Actions > Delete**.
   A warning appears to confirm the deletion of the relationship.
4. Click **Yes**.
   The relationship is deleted.

### Update Multiple Collaboration Relationships

On the Manage Supply Collaboration Network page, you can update multiple collaboration relationships.

To update multiple collaboration relationships:

1. In the Supply Chain Collaboration work area, click **Manage Supply Collaboration Network** in the Tasks panel.
2. On the Manage Supply Collaboration Network page, select **Collaboration relationships**.
3. Search for the collaboration relationships.
4. Select multiple rows in the search results and click **Actions > Edit**.
Chapter 2
Configure Supply Planning Collaboration

- **Note:** When you select multiple rows in the search results, you can no longer duplicate the collaboration relationships.

5. On the Edit Relationships page, modify the required parameters.

- **Note:** Any changes in the values will modify the parameter values for all the selected collaboration relationships.

When editing relationships whose source systems are different, you can't set the **UOM Definition Source** to **Other**.

6. Click **Save and Close**.

- **Note:** For an existing collaboration relationship, changes to the relationship attributes won't be effective until the next planning cycle.

---

Create Collaboration Relationships from Relationship Candidates

Collaboration relationship candidates provide visibility into the unprocessed or B2B-only transactions for active collaboration plans that aren't being managed by Supply Chain Collaboration because of missing setup data. You can select relationship candidates that aren't collaborated on and convert them to collaboration relationships on the Manage Supply Collaboration Network page.

- **Note:** You can select relationship candidates that are sourced from an external source system and convert them to collaboration relationships.

1. In the Supply Chain Collaboration work area, click **Manage Supply Collaboration Network** in the Tasks panel.
2. On the Manage Supply Collaboration Network page, select **Relationship candidates**.
3. Search for the relationship candidates that aren't collaborated on and:
   - To convert only a few relationship candidates, select the rows in the search results and click **Actions > Convert to Relationships**.
   - To convert all the relationship candidates in the search results, click **Actions > Convert All Search Results**.

You can now edit the relationships individually or all at once.

---

How You Model a Multi-Tiered Relationship Between a Contract Manufacturer and a Supplier

In contract manufacturing relationships, you need to collaborate both with the contract manufacturer as well as the upstream component suppliers that provide critical components. Supply Chain Collaboration can send order forecasts to both the contract manufacturer as well as their suppliers as long as you model them in a collaboration relationship. This way, both the original equipment manufacturers and the contract manufacturer can get visibility to the component supply commitments.
This figure illustrates a multi-tiered relationship between a contract manufacturer and a supplier.

The following table lists an example of a multi-tiered relationship between a contract manufacturer and a supplier.

<table>
<thead>
<tr>
<th>Relationship</th>
<th>Ship From</th>
<th>Ship to</th>
<th>Item</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Supplier B</td>
<td>Contract Manufacturer A (Organization A)</td>
<td>Component</td>
</tr>
<tr>
<td>2</td>
<td>Contract Manufacturer A</td>
<td>Organization X</td>
<td>Finished Item</td>
</tr>
</tbody>
</table>

In the example, Supplier B is shipping components to Contract Manufacturer A. Contract Manufacturer A is shipping the finished items to the enterprise Organization X.

The ship to attribute of a collaboration relationship is always mapped to an inventory organization or item organization. For Contract Manufacturer A to be a valid ship-to organization, you must model Contract Manufacturer A as an inventory organization.

To model a multi-tiered relationship between contract manufacturer and a supplier:

1. Setup contract manufacturers (Ship-to Supplier Sites) as organizations associated to a supplier site in Oracle Supply Chain Planning Supply Network Model.
2. Define a relationship in Supply Chain Collaboration by defining the ship-to as the contract manufacturer organization.
3. Enable the contract manufacturer to view forecasts, edit forecast quantities and commit on behalf of their upstream suppliers within the Trading Partner Access section of the collaboration relationship.

For more information on using collaboration messaging, see the Oracle Procurement Cloud Implementing Procurement guide.

Enable Contract Manufacturers to Manage Order Forecasts on Behalf of Upstream Suppliers

Contract manufacturers are organizations associated to a supplier site. You can enable a contract manufacturer to view order forecasts, edit forecast quantities, and commit on behalf of their upstream suppliers.
To modify a collaboration relationship:

1. From the Supply Chain Collaboration work area, click Manage Supply Collaboration Network in the Tasks panel.
2. On the Manage Supply Collaboration Network page, search for the collaboration relationship.
3. Select a row in the search results and click Actions > Edit.
4. On the Edit Relationship page, the Trading Partner Access section, set View Order Forecasts to one of the following values:
   - Yes to enable supplier site contacts to view forecasts for items shipped to their site.
   - No to disable supplier site contacts from viewing forecasts.

   - **Note:** The Trading Partner Access section is enabled only when the ship-to organization is associated with a supplier site in the Supply Chain Planning Supply Network model.

5. If View Order Forecasts is set to Yes, you can set the following values:
   - Adjust Order Forecasts to enable or disable supplier site contacts from entering and submitting forecast quantity changes and republishing the order forecast.
   - Adjust Commits to enable or disable supplier site contacts from entering and submitting commit quantities to the enterprise.

6. Click Save and Close.

Search For Contract Manufacturers

In the Manage Supply Collaboration Network page, you can search for and view the contract manufacturers by using the Ship-to Supplier and Ship-to Supplier Site parameters. Using these parameters you can search for a specific supplier or site, or use Is not blank to return all contract manufacturers.

Edit a Collaboration Configuration

For a supplier to receive Business to Business (B2B) messages you must enable the supplier for B2B collaboration. On the Manage Supply Collaboration Network page, you can enable a supplier site for B2B messaging or edit their current configuration.

   - **Note:** B2B collaboration is enabled by supplier site. When a site is enabled for B2B messaging, it applies to all the relationships that contain the ship-from supplier site.

To edit a collaboration configuration:

1. In the Supply Chain Collaboration work area, click Manage Supply Collaboration Network in the Tasks panel.
2. On the Manage Supply Collaboration Network page, search for the collaboration relationship.
3. Select a row in the search results and click Actions > Edit Collaboration Configuration.
4. On the Edit Supplier Collaboration Configuration page, the Associated Service Providers section, click Actions > Add Row.

   A new service provider row is added.

5. Select the service provider. The relevant trading partner IDs are populated.
6. Select the trading partner ID.
7. In the Collaboration Documents for Service Provider section, click Actions > Add Row.
8. Select the following supply planning document types:
   - PROCESS_FORECAST_OUT for the outgoing forecast message the supplier receives.
   - ACKNOWLEDGE_FORECAST_IN for the commit response the supplier sends back to the enterprise.
9. Set the Association Status to one of the following values:
   - Enable to enable the supplier site to send or receive B2B messages.
   - Disable to disable the supplier site to send or receive B2B messages.
10. Click Save and Close.

Configure Automatic Commits to Order Forecasts

Suppliers are contractually obligated to commit to order forecasts within a specified time frame. If a supplier does not commit to order forecasts within the due date on their contractually obligated commitment, there may be delays in the other planning processes. You can have an agreement with your supplier to commit automatically to order forecasts. As an administrator, configure Supply Chain Collaboration to commit automatically to order forecasts. You can set the automatic commits to match the commits from the previous cycle, or to commit to a percentage of the current forecast.

Note: You need the Supply Chain Application Administrator role to configure automatic commits to order forecasts.

To configure automatic commits to order forecasts:

1. In the Supply Chain Collaboration work area, click Manage Supply Collaboration Network in the Tasks panel.
2. On the Manage Supply Collaboration Network page, search for the collaboration relationship.
3. Select a row in the search results and click Actions > Edit.
4. On the Edit Relationship page, enter the number of days a supplier has to provide commits to an order forecast in Commit SLA in Days.
5. Select Auto Commit in SLA Action.
6. Select one of the following values for Commit Period:
   - Commit Horizon: The forecast commits are processed on the supplier’s contractually obligated commitment due date.
   - Days: The number of days to process forecast commits without exceeding the commit horizon.
7. Select one of the following values for Commit Quantity:
   - Previous forecast commits: The committed order forecast quantity matches the commits from the previous commit cycle.
   - Percentage of current forecast: The committed order forecast quantity is a percentage of the current forecast.
8. Click Save and Close.

Note: For an existing collaboration relationship, changes to the relationship attributes will not be effective until the next planning cycle.

Set Unit of Measure Definition Source

The unit of measure (UOM) used in planning applications may be different from the UOM used to purchase goods. You can set the UOM definition source on a collaboration relationship to be used for all collaboration quantities.
set the UOM on the collaboration relationship, all quantities including order forecasts, commits, open purchase orders, in-transit shipments, shipments in receiving, and purchase requisitions are converted and displayed in the specified collaboration UOM.

You must be a Supply Chain Application Administrator do this task.

1. In the Supply Chain Collaboration work area, click Manage Supply Collaboration Network in the Tasks panel.
2. On the Manage Supply Collaboration Network page, search for the collaboration relationship.
3. Select a row in the search results and click Actions > Edit.
4. On the Edit Relationship page, select one of these values for UOM Definition Source:
   - Published order forecast: To convert and display collaboration quantities in the UOM of the order forecast published to Supply Chain Collaboration. This is the default value and accepts the UOM published by Oracle Supply Chain Planning Cloud. If a UOM isn't provided, Supply Chain Collaboration will use the item's primary UOM set on the item record.
   - Approved supplier list: To convert and display collaboration quantities in the purchasing UOM defined on the approved supplier list matching the item and supplier.
   - Primary: To display collaboration quantities in the item's primary UOM. The item's primary UOM is defined on the item record.
   - Other: To convert and display collaboration quantities in the user-defined UOM set on the collaboration relationship.
5. If UOM Definition Source is set to Other, select a value for UOM.
6. Click Save and Close.

Note: For an existing collaboration relationship, changes to the relationship attributes won't be effective until the next planning cycle.

For collaboration plans using items and organizations sourced from an external planning source system, UOM Definition Source depends on Supply Chain Planning to resolve the available UOMs, UOM conversions, item's primary UOM, and purchasing UOM.

For more information about defining units of measure, see the Implementing Common Features for SCM guide.

Set Preferred Date Format

Use the General Preferences section in the Preferences work area to set your preferred date format.

1. Click Navigator > Set Preferences.
2. In the Preferences work area, use the General Preferences > Regional task.
3. Select the territory and date format.

Note: For each territory, not all date formats are supported.

4. Click Save and Close.

Manage Collaboration Plans
Planning Cycle

When defining a collaboration plan, you define the weekly frequency and the start date for the collaboration plan. This frequency defines the planning cycle expectation for the collaboration plan. The collaboration plan data automatically expires at the end of the planning cycle.

The decomposition process determines the planning cycle for all incoming managed records. The decomposition process calculates the start and end dates for the collaboration plan depending on the planning cycle. These dates are used to determine if the plan data received is for a new planning cycle or an update to an existing planning cycle.

For example, the following table lists a collaboration plan US-Production with a weekly frequency and the start date set for Monday.

<table>
<thead>
<tr>
<th>Date Received</th>
<th>Cycle Dates</th>
<th>Mid-Cycle Update</th>
</tr>
</thead>
<tbody>
<tr>
<td>Monday, 16-Jan-2017</td>
<td>Start: 16-Jan End: 22-Jan</td>
<td>New, no source exists for US Production</td>
</tr>
<tr>
<td>Wednesday, 18-Jan-2017</td>
<td>Start: 16-Jan End: 22-Jan</td>
<td>Update, source exists from 16-Jan-2017</td>
</tr>
<tr>
<td>Tuesday, 24-Jan-2017</td>
<td>Start: 23-Jan End: 29-Jan</td>
<td>New, received date is outside of the currently saved planning cycle. The source start and end date and object version are updated</td>
</tr>
</tbody>
</table>

The start date is calculated based on the first time you receive the plan data as it relates to the collaboration frequency. If you publish a plan on Tuesday, January 17, the data is treated as a new planning cycle with a start date of January 16. This sets the cycle frequency and the plan is expected every week. If the plan is not published on January 23, the previous plan data for January 16 expires automatically on January 22.

The planning cycle of a collaboration plan is continuous. Even if the plan is not published for a long period of time, if a cycle is established, the plan is retained.

When you change the frequency or the start date for a collaboration plan, the change does not take effect until the next planning cycle. If you want to reset the planning cycle, you need to create a new collaboration plan.

You can search for a collaboration plan based on the planning cycle start and end dates using the manage forecast search page.

**Note:** The B2B Only relationships without a defined collaboration plan do not have a defined planning cycle. All the data sent is treated as a new cycle. The B2B Only collaboration will expire in 15 days. If a collaboration plan is defined, the B2B Only data uses the defined planning cycle rather than the fixed value of 15 days.

How You Manage Collaboration Plans

You create a collaboration plan in Oracle Fusion Supply Chain Collaboration to enable a supply plan created in Oracle Fusion Planning Central Cloud Service or Oracle Supply Chain Planning for collaboration. As an enterprise user, you can search for the supply plan using the supply plan or the collaboration plan on the Manage Collaboration Plans page. As a supplier, you can search for the supply plan only by the collaboration plan in Oracle Fusion Supplier Portal.
Note: You need the Supply Chain Application Administrator role to configure Supply Chain Collaboration.

On the Manage Collaboration Plans page, you can perform the following actions:

- Search for collaboration plans
- Create new collaboration plans
- Modify collaboration plans

Search for Collaboration Plans

On the Manage Collaboration Plans page, you can view the collaboration plans by searching for the plan by entering the search parameters.

Create a Collaboration Plan

On the Manage Collaboration Plans page, you can create a new collaboration plan.

When a supply plan is published from Oracle Fusion Planning Central Cloud Service or Oracle Fusion Supply Planning for a collaboration plan, Oracle Fusion Supply Chain Collaboration sets the Source System attribute. If the supply plan has organizations and items collected from an external source system, then the collaboration plan Source System attribute is set to External. If the supply plan has organizations and items collected from Oracle Fusion applications, then the collaboration plan Source System attribute is set to Oracle. Once the collaboration plan's source system is set it can't be changed. Create a new collaboration plan if the source system changes in Supply Planning.

Note: A supply plan that's partly defined in an Oracle application and partly in an external application isn't supported.

To create a collaboration plan:

1. In the Supply Chain Collaboration work area, click Manage Collaboration Plans in the Tasks panel.
2. On the Manage Collaboration Plans page, click Actions > Create.
3. On the Create Collaboration Plan dialog box, select the source of the supply plan. The supply plans are created using Oracle Supply Chain Planning or an external application.
4. Select the supply plan. The default collaboration plan name is same as the supply plan. If required, enter a new name for the collaboration plan.
5. Select the initial status of the collaboration plan.
6. Enter the weekly frequency and select a start day.
7. Click Save and Close to save the new collaboration plan.

Note: Only the collaboration plan name is available to the suppliers using Oracle Fusion Supplier Portal.
Modify a Collaboration Plan

On the Manage Collaboration Plans page, you can modify a collaboration plan.

To modify a collaboration plan:

1. In the Supply Chain Collaboration work area, click Manage Collaboration Plans in the Tasks panel.
2. On the Manage Collaboration Plans page, search for the collaboration plan.
3. Select a row in the search results and click Actions > Edit.
4. On the Edit Collaboration Plan page, modify the required parameters.
5. Click Save and Close.

Create Collaboration Plans from Plan Candidates

On the Manage Collaboration Plans page, you view the published supply plans that are not being collaborated on and use them to create collaboration plans.

To create collaboration plans from plan candidates:

1. In the Supply Chain Collaboration work area, click Manage Collaboration Plans in the Tasks panel.
3. Search for the published supply plans that are not being collaborated on.
4. Select the supply plan and click Actions > Convert to Collaboration Plan.

You can now edit the plan.

FAQs for Collaboration Plans

How can I determine how many relationships are associated with a collaboration plan?
Search for collaboration plans on the Manage Collaboration Plans page. The Relationship Candidates column displays the number of relationship candidates associated with the plan. The Collaboration Relationships column displays the number of relationships associated with the plan.

How can I determine how many relationships are associated with a published supply plan for which a collaboration plan is not created?
Search for plan candidates on the Manage Collaboration Plans page. The Relationship Candidates column displays the number of relationship candidates associated with the supply plan. The Collaboration Relationships column displays the number of relationships associated with the supply plan.

Manage Aggregation Schedules
Overview of Aggregation Schedules

Aggregation is the process of collecting data and consolidating multiple values into a single value. For example, order forecast quantities are sent and stored in daily time buckets. However, the daily values can be summed and displayed in weekly, monthly, or period aggregation based on an active schedule and the displayed aggregation level.

An active schedule is defined in the Setup and Maintenance > Manage Facility Schedules task. For a time bucket generation, the quarterly type, effective from date, and effective to date are used. The period for all days is inclusive of the effective from date and the effective to date.

The displayed aggregation level determines how the data is displayed on the Manage Order Forecasts and Commits page. You can schedule aggregation by week or use a period definition. By default, forecasts are displayed aggregated by week.

The displayed aggregation level is used to calculate exceptions; for example, if displayed aggregation is set to week and day, all exceptions are calculated using weekly quantities. Exceptions are not recalculated when the displayed aggregation level is changed mid-planning cycle; for example, if you change the displayed aggregation level from week and day to period and day in the middle of a planning cycle, the exceptions that were already calculated are displayed at weekly level, even though the aggregation is displayed in months. Due to this, you may observe incorrect results.

The aggregation schedule is used to determine:

- How forecasts are aggregated when displaying to collaboration planners and suppliers.
- How exceptions are calculated.

>Note: You need the Supply Chain Application Administrator role to configure Oracle Fusion Supply Chain Collaboration.

Default Active Schedule

In addition to the user defined active schedule, there is a system schedule called Supply Chain Collaboration Default. Supply Chain Collaboration Default is monthly quarterly type with the effective from date and effective to date set to NULL. These values indicate that the default schedule is always active and never ends.

The time buckets are generated using the Supply Chain Collaboration Default schedule when:

- An active schedule is not selected.
- An active schedule is selected, but is no longer active because the effective from date and effective to date range has expired.

Define an Aggregation Schedule

To define an aggregation schedule:

1. In the Supply Chain Collaboration work area, click **Define Aggregation Schedule** in the Tasks panel.
2. On the Define Aggregation Schedule page, select an active schedule. Alternatively, you can search for the active schedule based on the schedule name, quarterly type, the effective from date, or the effective to date.
3. Select one of the following displayed aggregation level:
   - Week and day: The forecasts are aggregated at a weekly level.
   - Period and day: The forecasts are aggregated based on the quarterly type selected for the active schedule.
4. Click **Save and Close**.
If you are modifying the aggregation schedule, the changes will not take effect until the next planning cycle. Until the end of the current active planning cycle, there may be a mismatch in the counts displayed for the exceptions and order forecasts. For example, if you are changing the aggregation schedule from monthly to weekly, there may be a mismatch in the exception counts until the current monthly planning cycle ends.

### Manage Collaboration Planners

#### How You Manage Collaboration Planners

As a Supply Chain Collaboration user you work with external suppliers and require profiles with security settings that are not generally available in other Oracle Fusion applications. You can create and manage a Supply Chain Collaboration Planner and associate the collaboration planner with appropriate access to suppliers and supplier sites.

Supply Chain Collaboration supports two modes of data security:

- An inclusive data access, where all order forecasts are treated as confidential and you need to explicitly associate a collaboration planner to access specific supplier sites.
- An exclusive data access, where all order forecasts are treated as public until you explicitly associate a collaboration planner to supplier sites.

By configuring collaboration planner access, you can display only the:

- Data from suppliers or supplier sites accessible to the collaboration planner on the Supply Chain Collaboration work area.
- Order forecasts from the supplier sites that are associated with the collaboration planner on the Manage Order Forecasts and Commits page.

*Note:* You need the Supply Chain Application Administrator role to access the Manage Collaboration Planners page.

You can access the Manage Collaboration Planners page from the Supply Chain Collaboration work area by clicking the **Manage Collaboration Planners** task in the Tasks panel.

In the Manage Collaboration Planners page, you can perform the following actions:

- Search for collaboration planners
- Create new collaboration planners
- Modify collaboration planners

For more information on data access, see the Oracle Supply Chain Management Cloud Implementing Manufacturing and Supply Chain Materials Management guide.

#### Search for Collaboration Planners

On the Manage Collaboration Planners page, you can search for and view the collaboration planners by entering the search parameters. For example, you can view all the collaboration planners who are assigned to a supplier or a supplier site.
Create a Collaboration Planner

On the Manage Collaboration Planners page, you can create a collaboration planner from an existing Oracle Fusion user.

To create a collaboration planner:

1. In the Supply Chain Collaboration work area, click Manage Collaboration Planners in the Tasks panel.
2. On the Manage Collaboration Planner page, click Actions > Create.
3. On the Create Collaboration Planner dialog box, select the collaboration planner.
4. Select one of the following values for Full Access:
   - Yes to allow access to all suppliers and supplier sites.
   - No to select access to specific suppliers and supplier sites.
5. On the Data Access Security section, select one of the following values for Status:
   - Active to enable the collaboration planner.
   - Inactive to disable the collaboration planner.
6. Click the Add icon to add a new row in the Data Access Security table.
7. Select one of the following values for Security Context:
   - Supplier to set Security Context Value to suppliers.
   - Supplier Site to set Security Context Value to supplier sites.
8. Select the value for Security Context Value.
   The values for Ship-from Supplier and Ship-from Supplier Site are populated.
9. Click Save to save the new collaboration planner.
10. Click Save and Close to save the new collaboration planner and close the Create Collaboration Planner dialog box.

Modify a Collaboration Planner

On the Manage Collaboration Planners page, you can modify a collaboration planner.

To modify a collaboration planner:

1. In the Supply Chain Collaboration work area, click Manage Collaboration Planners in the Tasks panel.
2. On the Manage Collaboration Planner page, search for the collaboration planner.
3. Select a row in the search results and click Actions > Edit.
4. On the Edit Collaboration Planner page, modify the following parameters:
   - Full Access
   - Status
5. Click the Add icon to add a new row in the Data Access Security table.
6. Select one of the following values for Security Context:
   - Supplier to set Security Context Value to suppliers.
Supplier Site to set Security Context Value to supplier sites.

7. Select the value for Security Context Value.

The values for Ship-from Supplier and Ship-from Supplier Site are populated.

8. To delete data access, select a row from the Data Access Security table and click the Delete icon.

9. Click Save and Close.

Note: For an existing collaboration planner, changes to the attributes will not be effective until the next planning cycle.

Duplicate a Collaboration Planner

On the Manage Collaboration Planners page, you can duplicate an existing collaboration planner. This can save time when you need to create multiple planners that differ only by supplier or supplier site.

To duplicate a collaboration planner:

1. In the Supply Chain Collaboration work area, click Manage Collaboration Planners in the Tasks panel.
2. On the Manage Collaboration Planner page, search for the collaboration planner.
3. Select a row in the search results and click Actions > Duplicate.
4. On the Create Collaboration Planner dialog box, the Full Access and Status fields are populated from the existing collaboration planner that you are duplicating.
5. Select the collaboration planner.

The relevant values are populated.

7. Click the Add icon to add a new row in the Data Access Security table.
8. Select one of the following values for Security Context:
   - Supplier to set Security Context Value to suppliers.
   - Supplier Site to set Security Context Value to supplier sites.

The values for Ship-from Supplier and Ship-from Supplier Site are populated.

10. Do one of the following:
    - Click Save to save the new collaboration planner.
    - Click Save and Close to save the new collaboration planner and close the Create Collaboration Planner dialog box.

Delete a Collaboration Planner

On the Manage Collaboration Planners page, you can delete a collaboration planner.

To delete a collaboration planner:

1. In the Supply Chain Collaboration work area, click Manage Collaboration Planners in the Tasks panel.
2. On the Manage Collaboration Planner page, search for the collaboration planner.
3. Select a row in the search results and click **Actions > Delete**.
4. On the warning dialog box to confirm the deletion of the collaboration planner, click **Yes**.
   The collaboration planner is deleted.

**Manage Scheduled Processes**

**Supply Planning Collaboration Scheduled Processes**

You create supply plans in Oracle Supply Chain Planning or Oracle Fusion Planning Central Cloud Service. In Oracle Fusion Supply Chain Collaboration, you use scheduled processes to:

- Filter the supply plan data and push it to the Supply Chain Collaboration interface tables.
- Decompose the plan data to make it available to suppliers and collaboration planners.
- Pull the supplier commits back into planning applications as supplier capacity.
- Purge commit data from the collaboration interface tables.
- Purge historical data when it's no longer needed.
- Export collaboration order forecasts or commit data to CSV files.
- Verify existing collaboration relationships and enable the drop ship attribute.

**Publish Order Forecast**

The Publish Order Forecast enterprise scheduled process is used to publish order forecast data. The Publish Order Forecast scheduled process supports both managed and B2B Only collaborations.

The Publish Order Forecast scheduled process filters the supply plan data by:

- Supply plan, which is the selected plan. If the scheduled process is called from a plan context, the plan name is defaulted to the current plan and is not editable.
- Organization for supply planning
- Planner, which is the Supply Demand Planner ID
- Category
- Item, which is the enterprise item ID
- Supplier
- Supplier site, which are the sites for the selected supplier

The Publish Order Forecast scheduled process stores the supply plan data in the Supply Chain Collaboration interface tables.

When publishing order forecasts, if you include purchase orders, requisitions, or transfer orders, these quantities are combined with the planned order quantity to form the current forecast.

To configure the Publish Order Forecast scheduled process, select the following parameters:

- Include purchase orders in the order forecast: To include the planned order quantity and the purchase order quantities in your current order forecast quantity.
• Include requisitions in the order forecast: To include the planned order quantity and the requisition quantities in your current order forecast quantity.

• Run the Supply Planning Collaboration Decomposition job: To run the Supply Planning Collaboration Decomposition scheduled process immediately after the order forecast is published.

• Publish order details: To display the open purchase orders, purchase requisitions, in-transit shipments, and shipments in receiving as separate measures along with the current order forecast.

Note: If you do not select Include purchase orders in the order forecast or Include requisitions in the order forecast, the order forecast includes only the planned order quantities.

Schedule Decomposition

The Supply Planning Collaboration Decomposition scheduled process is used to decompose the order forecast data.

The Supply Planning Collaboration Decomposition scheduled process:

- Reads the published planning data from the interface tables
- Evaluates forecast exceptions
- Creates or updates an order forecast, used by Supply Chain Collaboration to publish to suppliers
- Assigns and launches the orchestration process

The Supply Planning Collaboration Decomposition process makes the order forecast data available to suppliers and collaboration planners.

Receive Supplier Commits

The Receive Supplier Commits scheduled process is used to pull the supplier commits back into Oracle Supply Chain Planning or Oracle Fusion Planning Central Cloud Service as supplier capacity.

The forecast commits received in Oracle Fusion Supply Chain Collaboration are based on ship-from supplier site and ship-to organization. However, once the order commits are pulled into Supply Chain Planning or Planning Central Cloud as supplier capacity, the commits are aggregated by supplier site regardless of organization.

Purge Collaboration Interface Tables

The supplier commit data is stored in the collaboration interface tables until it’s purged. After you publish the plan, receive supplier commits, and the collaboration cycle ends, purge all commit data from the collaboration interface tables by using the Purge Collaboration Interface Tables scheduled process. You can schedule this process to run whenever a new collaboration cycle begins, before the supply plan is published.

Purge Historical Data

The collaboration data, including all mid cycle forecast and commit updates, is permanently stored until it is purged. To purge the historical data, the Purge Supply Chain Collaboration Historical Data scheduled process is used. While setting up this process in Oracle Enterprise Scheduler, you can set the number of months of historical data that should be retained.
Export Collaboration Order Forecasts

To export collaboration order forecasts or commit data to CSV files, use the Export Collaboration Order Forecasts scheduled process. While setting up this process in Oracle Enterprise Scheduler, you can set the supply plan to export and filter the export collection by specifying a supplier or item. In addition, you can select one or more of the following measures to include in your export data:

- Current Forecast: To export the current cycle collaboration forecast data.
- Current Commit: To export the current cycle collaboration forecast commit data.
- Previous Forecast: To export collaboration forecast data from the immediate previous collaboration cycle.
- Previous Commit: to export collaboration forecast commit data from the immediate previous collaboration cycle.

Enable Drop Ship for Existing Collaboration Relationships

A drop ship collaboration relationship requires the ship from supplier site to match the ship to supplier site associated with the organization. When you search for order forecasts, the drop ship collaboration order forecasts are aggregated at the ship to organization level. For example, if you have three order forecasts with the same ship from supplier, with an item each for 500 items going to a different ship to customer, you will have a single collaboration order forecast of 1500 items for the supplier to commit.

To enable drop ship for existing collaboration relationships where the ship to organization matches the ship from supplier site associated with the organization, you can use the Set Collaboration Relationship Drop Ship scheduled process.

Manage Scheduled Processes

You use the Scheduled Processes work area to manage scheduled processes.

You can do the following:

- Manually run the scheduled process.
- Set up the processes to run at a reoccurring schedule.

Run the Scheduled Processes Manually

To manually run the scheduled process:

1. Go to the Scheduled Processes work area.
2. To publish the plan data to Supply Chain Collaboration, click Actions > Schedule New Process.
3. On Schedule New Process dialog box, search for the process; for example, Publish Order Forecast and click OK.
4. On the Process Details dialog box, select the plan you want to publish and click Submit. You can filter the plan further by selecting additional parameters.

   Ensure that the Publish Order Forecast process runs successfully. The selected plan data is now pushed into the Supply Chain Collaboration interface tables.
5. To decompose the plan data and make it available to suppliers and collaboration planners, click Actions > Schedule New Process.
6. On the Schedule New Process dialog box, search for the process; for example, Supply Planning Collaboration Decomposition process and click **OK**.

7. On the Process Details dialog box, click **Submit**.

Ensure that the Supply Planning Collaboration Decomposition process runs successfully. The plan data is now available to suppliers and collaboration planners.

### Set Up Processes to Run on a Reoccurring Schedule

To set up the processes to run on a reoccurring schedule:

1. Go to the Scheduled Processes work area, click **Actions > Schedule New Process**.
2. On the Schedule New Process dialog box, search for the process, for example, Supply Planning Collaboration Decomposition and click **OK**.
3. On the Process Details dialog box, click **Advanced**.
4. In the Schedule tab, select **Using a schedule**.
5. Set the frequency to when you want the process to run.
6. Set an end date until when you want the process to run.
7. Click **Submit**.

The process is now set to run on a reoccurring schedule.
3 Configure Vendor-Managed Inventory

Manage VMI Network

How You Manage VMI Network

You create vendor-managed inventory (VMI) relationships between suppliers, organizations, and item combinations. Based on the relationships, the Manage Inventory page displays the items to be replenished by the supplier. The Manage VMI Network page displays the list of VMI relationships. You can use the search section to view the relevant VMI relationships. For example, you can view all the relationships defined for a specified organization or item.

Note: You must have the Supply Chain Application Administrator role to configure Oracle Fusion Supply Chain Collaboration.

You can access the Manage VMI Network page from the Supply Chain Collaboration work area. On the Manage VMI Network page, you can perform the following actions:

- Search for relationships
- Create new relationships
- Modify relationships
- Delete relationships

Inventory Planning Owner

The inventory planning owner is the user who owns inventory planning and replenishment creation activities. The inventory planning owner can be Enterprise or Supplier.

The inventory planning owner is derived using the inventory planning method defined on the item or the item subinventory record. If the inventory planning method is min-max planning, the inventory planning owner is Enterprise. If the inventory planning method is Supplier managed, the inventory planning owner is Supplier.

The scope of the vendor-managed inventory (VMI) relationship determines if the inventory planning owner is derived from the item or item subinventory record. If scope is Organization, the inventory planning method on the item is used. If scope is subinventory, the inventory planning method on the item subinventory record is used.

Note: If the inventory planning method is not planned or reorder point planning, the inventory planning owner is unresolved and not a valid candidate for VMI. Any changes to the inventory planning method on the item or item subinventory record will be automatically reflected on the VMI relationship. For example, if the inventory planning method changes from Supplier managed to Not Planned, the inventory planning owner will be Unresolved.

Related Topics

- Vendor-Managed Inventory Components
Create a VMI Relationship

On the Manage VMI Network page, you can create a vendor-managed inventory (VMI) relationship between suppliers, organizations, and item combinations.

To create a VMI relationship:

1. In the Supply Chain Collaboration work area, click **Manage VMI Network** in the Tasks panel.
2. On the Manage VMI Network page, click **Actions > Create**.
3. On the Create Relationship dialog box, select the values for **Organization**.
4. Select a value for **Supplier**.

**Note:** The supplier must have at least one supplier site associated to the selected organization’s requisitioning business unit to participate in a VMI relationship.

5. Select a value for **Scope**.
   - Select **Organization** if the supplier is managing the item across all storage subinventories within the selected organization
   - Select **Subinventory** if the supplier is managing the item at one or more specific storage subinventories within the selected organization

6. Select a value for **Item**:
   - If scope is **Organization**, only items associated with the selected organization that have an inventory planning method of min-max planning or supplier managed are allowed to participate in a VMI relationship.
   - If scope is **Subinventory**, only item subinventories associated with the selected organization that have an inventory planning method of min-max planning or supplier managed are allowed to participate in a VMI relationship.

7. If scope is **Subinventory**, you must select at least one subinventory.

**Note:** Item subinventories with the inventory planning method of min-max planning or supplier managed are required for the subinventory to participate in a VMI relationship.

8. Select the default min-max quantity source to determine if the minimum and maximum inventory thresholds are managed by the supplier or the enterprise.

**Note:** If inventory planning owner is enterprise, the min-max quantity source of the replenishment item is enterprise.

9. Optionally, select a default requisition requester. This attribute determines who is listed as the requisition requester on the generated purchase requisition. If a value is provided at the relationship level, that value will override the defined requisition requester on the Manage Supply Chain Collaboration Settings page in the Setup and Maintenance work area.

10. Click **Save and Continue** to save the new relationship.

**Note:** An item can only be managed by single supplier for each organization or subinventory.
Modify a VMI Relationship

On the Manage VMI Network page, you can modify a vendor-managed inventory (VMI) relationship between suppliers, organizations, and item combinations.

To modify a VMI relationship:

1. In the Supply Chain Collaboration work area, click Manage VMI Network in the Tasks panel.
2. On the Manage VMI Network page, search for the VMI relationship.
3. Select a row in the search results and click Actions > Edit.
4. On the Edit Relationship page, you can modify the following values:
   - Status
   - Scope

   **Note:** If you change the scope from Organization to Subinventory, you must select and add subinventories.
   - Subinventories
   - Min-Max Quantity Source
   - Requisition Requester

5. Click Save and Close.

Delete a VMI Relationship

On the Manage VMI Network page, you can delete a vendor-managed inventory (VMI) relationship.

To delete a VMI relationship:

1. In the Supply Chain Collaboration work area, click Manage VMI Network in the Tasks panel.
2. On the Manage VMI Network page, search for the VMI relationship.
3. Select the relevant row in the search results and click Actions > Delete.

Import VMI Relationships from Files

You can import the vendor-managed inventory (VMI) relationships by using the File-Based Data Import mechanism.

1. Download the VMI Relationships file-based data import template from the File-Based Data Import for Oracle Supply Chain Management Cloud guide, available on Oracle Help Center.
2. Extract the template to a local drive.
3. Enter the VMI relationship data in the CSV file.
5. Run the Load Interface File for Import scheduled process to load the VMI relationship data from the CSV files.
   a. In the import process, select Import Vendor-Managed Inventory Relationships and select the compressed data file.
Manage VMI Analysts

How You Manage VMI Analysts

As an Oracle Fusion Supply Chain Collaboration user, you work with external suppliers and require profiles with security settings that are not generally available in other Oracle Fusion applications. You can create and manage a vendor-managed inventory (VMI) analyst and associate the VMI analyst with appropriate access to replenishment data for a specific VMI relationship by setting the enterprise data security by organization and supplier context.

Supply Chain Collaboration supports two modes of data security:

- **Exclusive data access**: Users have access only to the data explicitly granted to them. The exclusive access mode is restrictive. You use the exclusive access mode if all the relationships are confidential and you need to explicitly grant access to users. It is the default access behavior for VMI.
- **Inclusive data access**: Users have access to all data explicitly granted to them and the data that does not have at least one other user assigned. You use the inclusive access mode if most of the relationships are accessible to users and only a few relationships are confidential.

For more information on data access, see the Oracle Supply Chain Management Cloud Implementing Manufacturing and Supply Chain Materials Management guide.

On the Manage VMI Analysts page, you can perform the following actions:

- Search for VMI analysts
- Create new VMI analysts
- Modify VMI analysts
- Delete VMI analysts

**Note**: You must have Supply Chain Application Administrator role to manage VMI analysts.

Create a VMI Analyst

On the Manage VMI Analysts page, you can create a vendor-managed inventory (VMI) analyst from an existing Oracle Fusion user.

To create a VMI analyst:

1. In the Supply Chain Collaboration work area, click **Manage VMI Analysts** in the Tasks panel.
2. On the Manage VMI Analysts page, click **Actions > Create**.
3. On the Create VMI Analyst page, select the VMI analyst from a list of existing Oracle Fusion users.
4. Select one of the following values for **Full Access**:
   - Yes to grant access to all replenishment item and request data.
No to restrict access to specific suppliers or organizations.

5. Select one of the following values for **Status**:
   - **Active** to enable the VMI analyst.
   - **Inactive** to disable the VMI analyst.

6. If **Full Access** is set to **No**, click the **Add** icon to add a new row in the VMI Analyst Security table.

7. Select one of the following values for **Security Context**:
   - **Supplier** to grant access to a specific supplier.
   - **Organization** to grant access to a specific organization.

8. Select the supplier or organization value for **Security Context Value**.

   The values for **Supplier** or **Organization** are filled based on the selected security context.

9. Click **Save and Close** to save the new VMI analyst and return to the Manage VMI Analysts page.

### Duplicate a VMI Analyst

On the Manage VMI Analysts page, you can duplicate an existing vendor-managed inventory (VMI) analyst. This can save time when you need to create multiple VMI analysts that differ only in their security context.

To duplicate a VMI analyst:

1. In the Supply Chain Collaboration work area, click **Manage VMI Analysts** in the Tasks panel.
2. On the Manage VMI Analysts page, search for the VMI analyst.
3. Select a row in the search results and click **Actions > Duplicate**.
4. On the Create VMI Analyst page, select the VMI analyst from a list of existing Oracle Fusion users.
5. Adjust **Full Access**, **Status**, and **Security Context** if needed.
6. Click **Save and Close** to save the new VMI analyst and return to the Manage VMI Analysts page.

### Modify a VMI Analyst

To modify a vendor-managed inventory (VMI) analyst:

1. In the Supply Chain Collaboration work area, click **Manage VMI Analysts** in the Tasks panel.
2. On the Manage VMI Analysts page, search for the VMI analyst.
3. Select a row in the search results and click **Actions > Edit**.
4. On the Edit VMI Analyst page, you can modify the following values:
   - **VMI Analyst**
   - **Full Access**
   - **Status**
   - **Security Context**
5. Click **Save and Close** to save the VMI analyst and return to the Manage VMI Analysts page.
Delete a VMI Analyst

To delete a vendor-managed inventory (VMI) analyst:

1. In the Supply Chain Collaboration work area, click Manage VMI Analysts in the Tasks panel.
2. On the Manage VMI Analysts page, search for the VMI analyst.
3. Select the relevant row in the search results and click Actions > Delete.
4. On the warning dialog box to confirm the deletion of the VMI analyst, click Yes.

The VMI Analyst is deleted.

Manage Scheduled Processes

Vendor-Managed Inventory Scheduled Processes

You can use scheduled processes to perform the following vendor-managed inventory tasks:

- Refresh the vendor-managed inventory replenishment data.
- Purge the vendor-managed inventory replenishment request records.

Refresh VMI Replenishment Data

Vendor-managed inventory (VMI) data shared with suppliers is real time and doesn’t need to be refreshed. However, some of the summarized data presented to enterprise users must be calculated using the Refresh VMI Replenishment Data scheduled process.

These enterprise views depend on calculated data and should be refreshed periodically:

- Replenishment status and quantities displayed on the Manage Inventory page
- VMI Exceptions infolet
- Requiring Replenishment infolet

**Note:** The View Item Details page and the Review Item Transactions page don’t require refresh.

By using the Refresh VMI Replenishment Data process, you can filter the data you would need to refresh using the optional process parameters of Organization, Supplier, or Item. This could improve the refresh process and allow organizations in different geographical regions to be refreshed on different schedules or allow you to prioritize certain data, refreshing it more often. If all parameters are undefined the entire data will be refreshed.

Enterprise users can also refresh individual replenishment items on demand from the Manage Inventory page. You can use the Last Refresh Date column to determine when the replenishment item was last refreshed.
Purge Vendor-Managed Inventory Replenishment Requests

The replenishment request documents are permanently stored until they are purged. To purge the historical requests, run the Purge Vendor-Managed Inventory Replenishment Requests scheduled process. You must provide a starting point for the purge routine by selecting the request creation date and from date. You can then further filter the data purged by optionally selecting any of the following additional parameters: Status, Organization, Subinventory, Supplier, or Item.

For example, you can purge all closed requests that are older than a year by setting the following:

- Request Creation Date: Select on or before
- From Date: Select today's date for last year
- Status: Select Closed
Manage Supply Planning Collaboration

Manage with Oracle Fusion Supply Chain Collaboration

How You Manage Order Forecasts and Commits

You use the Manage Order Forecasts and Commits page to search and view order forecast data and to download and upload the order forecast commits. You can access the Manage Order Forecasts and Commits page from:

- Oracle Fusion Supply Chain Collaboration: You can access the order forecast information for all the supplier sites.
  
  Note: You need the Supply Chain Collaboration Planner role to access the Manage Order Forecasts and Commits page.

  Note: Ensure that Oracle Social Network is enabled for the Manage Order Forecasts and Commits page.

- Oracle Fusion Supplier Portal: You can access the order forecast information based on your supplier site.
  
  Note: You need the Supply Demand Planner role to access the Manage Order Forecasts and Commits page.

Search for Order Forecasts

You can view the order forecasts and their commit data by searching for them on the Manage Order Forecasts and Commits page.

- On the Oracle Fusion Supplier Portal, Manage Order Forecasts and Commits page, you can only search for order forecasts that list you as the supplier.

- On the Oracle Fusion Supply Chain Collaboration, Manage Order Forecasts and Commits page, you can search for order forecasts based on multiple parameters, such as, the supplier and their corresponding supplier sites.

When using advanced search:

- You can search for all order forecasts across all suppliers that you have access to by using the Ship-to field, where the ship-to organization has view access to the order forecast sent to its supplier.

- You can search for order forecasts and commits that support drop ship relationships on the Manage Order Forecasts and Commits page by using the Drop Ship attribute. You can aggregate the forecast quantity by collaboration plan, supplier site, item, organization, time bucket, and order type.
Edit Order Forecasts and Commits

You can search for the order forecasts on the Manage Order Forecasts and Commits page, by entering the search parameters and navigating to the Edit Order Forecast Details page to edit the forecast and commit quantities.

1. In the Supply Chain Collaboration work area, click Manage Order Forecasts and Commits in the Tasks panel.
2. On the Manage Order Forecasts and Commits page, search for the order forecast.
3. Select a row in the search results and click Actions > Edit.
4. On the Edit Order Forecast Details page, you can view the order forecast details along with the published on-hand quantity accurate as of the last time the order forecast was published. The order forecast details are listed based on the set aggregation schedule in the Order Forecast Details table.
5. In the Order Forecast Details table, select a cell or a row of cells and click Actions > Edit.
6. Do one of these:
   - Edit inline to enter the forecast or commit quantity for one cell at a time.
   - Edit multiple cells at once to enter the forecast or commit quantity for all cells in the row.
7. Do one of these:
   a. Click Actions > Publish to publish the forecast changes to the supplier. You have an option to submit any draft commitments during this action.

   Note: A forecast change is considered a new version of the forecast so commit values will be cleared for the changed buckets.
   b. Click Actions > Commit to submit draft commit values.

The updated commit values are now ready to be picked up by planning. The new forecast and commit values are now visible to suppliers and enterprise users.

Before you commit, you can retain the draft values by clicking Save or Save and Close. Draft values are saved by user type. Supplier provided draft values aren't visible to the enterprise until the values are committed. Enterprise provided draft values aren't visible to the supplier until the values are committed.

When updating order forecast commit values, if you update the commit quantity for an aggregation, the quantity is stored on the first day of the aggregation time frame. If the first day of the aggregation time frame doesn't exist as a schedule detail, a new schedule detail record will be created for the first day of the bucket.

Edit a Forecast or Commit Quantity Inline

In the Order Forecast Details table, you can enter a numeric value in each Current Forecast or Current Commit cell.

1. On the Manage Order Forecasts and Commits page, search for the order forecast.
2. Select a row in the search results and click Actions > Edit.
3. On the Edit Order Forecast Details page, the Order Forecast Details table, double-click the Current Forecast or Current Commit cell that you want to update.
4. Enter a numeric value for the forecast or commit quantity.
5. Click Save and Close to save your changes and go back to the Manage Order Forecasts and Commits page.
Edit Multiple Forecast Values or Commit Values

You can multi-select the current forecasts or current commits for all time buckets displayed in the Order Forecast Details table and enter values for multiple cells at once.

1. On the Manage Order Forecasts and Commits page, search for the order forecast.
2. Select a row in the search results and click **Actions > Edit**.
3. On the Edit Order Forecast Details page, in the Order Forecast Details table, select the current Forecast or **Current Commit** row that you want to update and click **Actions > Edit**.
4. On the Edit Order Forecast Details page, in the Order Forecast Details table, do one of these to edit the current forecasts or commits:
   a. Select the **Current Forecast** row that you want to update and click **Actions > Edit**.
      
      On the Edit Current Forecasts dialog box, select one of these actions:
      
      - **Set to previous forecast**: To update all the forecast quantities with their corresponding previous forecast quantities.
      - **Increase by percentage**: To increase the forecast quantities based on the percentage you enter.
      - **Decrease by percentage**: To decrease the forecast quantities based on the percentage you enter.
      - **Set to explicit value**: To update the forecast quantities with the value you enter.

      \*Note: Forecast and commit quantities can't be blank and must be a positive decimal number greater than or equal to 0 and less than or equal to 99,999,999.

   b. Select the **Current Commit** row that you want to update and click **Actions > Edit**.
      
      On the Edit Current Commits dialog box, select one of these actions:
      
      - **Set to current forecast**: To update all the commit quantities to their corresponding current forecast quantities.
      - **Set to previous commit**: To update the commit quantities to their corresponding previous commit quantities.
      - **Set to explicit value**: To update the commit quantities to the value you enter.

      \*Note: To clear the current commit values, use this option and leave the value blank.

5. Click **Save and Close** to update your commit quantities based on the selected action and go back to the Edit Order Forecast Details page.
6. Click **Save and Close** to save your changes and go back to the Manage Order Forecasts and Commits page.

Edit Forecast Values or Commit Values Using a Flat File

You can download the order forecast details into a flat file to analyze and modify the forecast commit data.

In Oracle Fusion Supply Chain Collaboration, the Supply Chain Collaboration Planner should have the forecast editing privilege to upload forecast changes. In Oracle Fusion Supplier Portal, the Supply Demand Planner must have supplier portal access to the supplier site defined within the item forecast to upload forecasts or commits for the supplier site.

1. On the Manage Order Forecasts and Commits page, search for the order forecast.
2. Select a row in the search results and click **Actions > Edit**.
3. On the Edit Order Forecast Details page, click **Actions > Download**.
4. In the Download Forecasts dialog box, optionally select values for these attributes and click **Download**.
### Field | Description
--- | ---
**Layout** | Select the layouts for the order forecasts download. Values include:
- **Vertical**: The quantities are listed based on an item-location-time combination.
- **Horizontal**: The quantities are listed based on an item-location-measure combination, with multiple bucket date quantity columns.

**Measures** | Select the measures to download. Values include Previous Forecast, Previous Commit, Open Purchase Orders, Purchase Requisitions, In-Transit Shipments, and Shipments in Receiving.

| Note: The current forecast and current commit values are always included in the download and can’t be selected.

**Horizon** | Select the type of time period used to set the horizon for the order forecasts download. Values include Forecast or Commit.

**Aggregation Level** | Select the time buckets used to aggregate the order forecasts download. Values include Day or Week.

| Note: If the layout selected is Horizontal then the only option for aggregation level is Week.

**Commit Quantities** | Select the commit quantities to include for the order forecasts download. Values include Set to current forecast or Set to previous commit.

| Note: If set, these will override the current commit quantities.

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- **Note**: For more information on setting the default order forecasts and commits values to download, see the Implementing Manufacturing and Supply Chain Materials Management guide.

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A .csv file is downloaded with the order forecast information.

5. Open the .csv file in a spreadsheet editor.
6. Update the values in the **Forecast Quantity** or **Commit Quantity** column.
7. Save and close the .csv file.

If the .csv file is large, you can compress the .csv file to a .zip file before uploading.

8. On the Manage Order Forecasts and Commits page, click **Actions > Upload**.
9. On the File Upload dialog, click **Search File** to search for and select the .csv file or the compressed .zip file that you updated.
10. Click **Submit**.

The values updated in the .csv file are displayed in the **Current Forecast** or **Current Commit** row.

**Note**: The format of dates in the .csv file is set in the regional settings.
Edit Multiple Forecast Values or Commit Values Using a Flat File

You can download multiple order forecast details into a flat file to analyze and modify the forecast commit data.

**Note:** In Oracle Fusion Supply Chain Collaboration, the Supply Chain Collaboration Planner should have the forecast editing privilege to upload forecast changes. In Oracle Fusion Supplier Portal, the Supply Demand Planner must have supplier portal access to the supplier site defined within the item forecast to upload forecasts or commits for the supplier site.

1. On the Manage Order Forecasts and Commits page, search for the order forecast.
2. Do one of these to download order forecasts:
   - Click **Actions > Download > Download Search Results** for order forecasts in the search results.
   - Click **Actions > Download > Download All Records** for order forecasts that you have access to.
3. In the Download Forecasts dialog box, optionally select values for these attributes and click **Download**:

<table>
<thead>
<tr>
<th>Field</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Layout</strong></td>
<td>Select the layouts for the order forecasts download. Values include:</td>
</tr>
<tr>
<td></td>
<td>- <strong>Vertical:</strong> The quantities are listed based on an item-location-time combination.</td>
</tr>
<tr>
<td></td>
<td>- <strong>Horizontal:</strong> The quantities are listed based on an item-location-measure combination, with multiple bucket date quantity columns.</td>
</tr>
<tr>
<td><strong>Measures</strong></td>
<td>Select the measures to download. Values include Previous Forecast, Previous Commit, Open Purchase Orders, Purchase Requisitions, In-Transit Shipments, and Shipments in Receiving.</td>
</tr>
<tr>
<td></td>
<td><strong>Note:</strong> The values for Current Forecast and Current Commit will always be included in the download and can't be selected.</td>
</tr>
<tr>
<td><strong>Horizon</strong></td>
<td>Select the type of time period used to set the horizon for the order forecasts download. Values include Forecast or Commit.</td>
</tr>
<tr>
<td><strong>Aggregation Level</strong></td>
<td>Select the time buckets used to aggregate the order forecasts download. Values include Day or Week.</td>
</tr>
<tr>
<td></td>
<td><strong>Note:</strong> If the layout selected is Horizontal then the only option for aggregation level is Week.</td>
</tr>
<tr>
<td><strong>Commit Quantities</strong></td>
<td>Select the commit quantities to include for the order forecasts download. Values include Set to current forecast or Set to previous commit.</td>
</tr>
<tr>
<td></td>
<td><strong>Note:</strong> If set, these will override the current commit quantities.</td>
</tr>
</tbody>
</table>

**Note:** For more information on setting the default order forecasts and commits values to download, see the Implementing Manufacturing and Supply Chain Materials Management guide.
A .csv file is downloaded with the order forecast information.

Note: You can use the Review Scheduled Download Files page to schedule and download large files.

4. Open the .csv file in a spreadsheet editor.
5. Update the values in the Forecast Quantity or Commit Quantity column.
6. Save and close the .csv file.
   If the .csv file is large, you can compress the .csv file to a .zip file before uploading.
7. Click Actions > Upload.
8. On the File Upload dialog click Search File to search for and select the .csv file or the compressed .zip file that you updated.
9. Click Submit.

   The values updated in the .csv file are displayed in the Current Forecast or Current Quantity column.

Note: The format of dates in the .csv file is set in the regional settings.

Publish Order Forecasts

When you save a forecast value, the value isn’t automatically published to Oracle Supplier Portal. You must publish the order forecast to send your changes to Supplier Portal.

A forecast change is considered as a new version of the forecast, so the previous commit values are cleared for the changed order forecast. When you publish the order forecast, you have the option to submit draft commitments.

Note: In Supply Chain Collaboration, the Supply Chain Collaboration Planner should have the Edit Forecasts as Enterprise User privilege to publish forecast changes to Supplier Portal.

Here’s how you can publish the order forecasts:

1. On the Manage Order Forecasts and Commits page, search for the order forecast.
2. Select a row in the search results and click Actions > Edit.
3. On the Edit Order Forecast Details page, click Actions > Publish.
   The publish action will send the updated current forecasts buckets for the order forecast in context to Supplier Portal.
   These actions occur when publishing order forecast values:
   - Orchestration is notified that there are updated forecasts to process.
   - Publish action processes this action as a mid-cycle publish update.

   Note: If you publish a forecast before clicking Save, it will save the edited forecasts and send the values to Supplier Portal as a mid-cycle update.

Commit Order Forecasts or Commits

When you save an order forecast value, for your changes to be visible in both Supply Chain Collaboration and Supplier Portal, you must commit the order forecast. For example, when you update and save commit quantities in Supplier Portal, they won’t be visible in Supply Chain Collaboration until you commit the update.

Here’s how you can commit order forecasts or commits:

1. On the Manage Order Forecasts and Commits page, search for the order forecast.
2. Select a row in the search results and click Actions > Edit.

3. On the Edit Order Forecast Details page, click Actions > Commit.

Related Topics
- Set Preferred Date Format

Commit Multiple Order Forecasts

You can select multiple order forecasts for all time buckets displayed on the Manage Order Forecasts and Commits page and commit to multiple order forecasts at once.

To commit to multiple order forecasts:

1. On the Manage Order Forecasts and Commits page, search for the order forecasts.
2. Select multiple rows in the search results and click Actions > Commit Order Forecasts.

Note: When you select multiple rows in the search results, you can no longer edit the order forecasts.

3. On the Commit Order Forecasts dialog box, select one of the following actions:
   - Set to current forecast: To update all the commit quantities to their corresponding current forecast quantities.
   - Set to previous commit: To update the commit quantities to their corresponding previous commit quantities.
4. Click Save and Close to update your commit quantities based on the selected action.

Review Status of Scheduled Download Files

You can review the status of scheduled downloads of a file containing the order forecast details.

To review the scheduled download files:

1. Go to the Manage Order Forecasts and Commits page
2. Click Actions > Download > Review Scheduled Download Files.
   You can review the status of scheduled downloads on the Review Scheduled Download Files page.

Review Status of Uploaded Files

You can review the uploaded files containing the order forecast details from the last 30 days. You can view the upload information, such as upload status and successful or failed item forecast uploads. You can also access the error log, as well as download the previously uploaded files.

To review the scheduled upload files:

1. Go to the Manage Order Forecasts and Commits page.
2. Click Actions > Upload > Review Scheduled Upload Files.
   You can review the uploaded files on the Review Scheduled Upload Files page.
Export Collaboration Order Forecasts or Commits to Files

You can export the collaboration order forecasts or commits periodically from Supply Chain Collaboration to a CSV file.

To export collaboration order forecasts to files, perform the following steps:

1. Run the **Export Collaboration Order Forecasts** scheduled process to export the order forecast or commit data to a CSV file. You must set the supply plan to export and filter the export collection by specifying a supplier or item. In addition, you can select one or more measures to include in your export data.

2. On the File Import and Export page, select `scm/collaborationOrderForecast/export` account and search for the exported files. The .zip file name is a combination of the plan name and the **Export Collaboration Order Forecasts** scheduled process ID.

   - **Note:** You can also search for a specific file using the **Export Collaboration Order Forecasts** scheduled process ID.

   The .zip file contains three comma-separated files, which contain the collaboration plan data, forecast entries, and the forecast entry details.

**Related Topics**
- Export Collaboration Order Forecasts

Import Collaboration Order Forecasts from Files

You can import the collaboration order forecasts from an external application by using the File-Based Data Import mechanism. For more information on the File-Based Data Import mechanism, see the File-Based Data Import for Oracle Supply Chain Management Cloud guide.

   - **Note:** To create the File-Based Data Import files, you can use a set of Microsoft Excel template files that are provided for this purpose. You can download the templates from the File-Based Data Import for Oracle Supply Chain Management Cloud guide in the Oracle Help Center.

To load collaboration order forecasts from files, perform the following steps:

1. Setup your collaboration relationships on the Manage Supply Collaboration Network page.

2. Create a collaboration plan using the Manage Collaboration Plans page. You must set the supply plan source to **External Application** and provide a supply plan name.

3. Prepare data for collaboration order forecasts. You can download the Collaboration Order Forecast file-based data import template, which are Microsoft Excel template files from the File-Based Data Import for SCM Cloud guide in the Oracle Help Center.

4. Extract the templates to a local drive, enter the appropriate data, and generate CSV files. You can compress the CSV files to a zipped file format.

5. Run the **Load Interface File for Import** scheduled process to load the order forecast data from the CSV files. In the import process, select **Import Collaboration Order Forecasts** and select the data file you would like to import. If had previously uploaded a data file to the `scm/collaborationOrderForecast/import` account using the File Import and Export page, the file name will appear in the list of data files.

6. Run the **Supply Planning Collaboration Decomposition** scheduled process to decompose the imported order forecast data.
View Purchasing Measures

In a collaboration cycle, contract manufacturers and suppliers continue to procure, ship, and receive goods, which reduce the net quantity that you need to forecast or commit. In addition to the order forecasts, you can view the gross commitment for a given item in a given time bucket along with the purchasing measures, such as, open purchase orders, purchase requisitions, shipments in receiving, and in-transit shipments.

Note: In Oracle Fusion Supplier Portal, suppliers cannot view the purchase requisition measures.

To view the purchasing measures:

1. In the Supply Chain Collaboration work area, click Manage Order Forecasts and Commits in the Tasks panel.
2. On the Manage Order Forecasts and Commits page, search for the order forecast.
3. Select a row in the search results and click Actions > Edit.
4. On the Edit Order Forecast Details page, you can view the aggregated values for the following purchasing measures in the order forecast details:
   - Open Purchase Orders
   - Purchase Requisitions
   - Shipments In Receiving
   - In Transit Shipments
5. Select an order type and click Actions > View Purchasing Measures.
6. On the Purchasing Measures page, you can view the breakdown of the purchasing measure.
7. Click the Reference Number value to view the details of the purchasing measure in Oracle Fusion Procurement.

Note: You cannot view the Purchase Requisitions details in Oracle Fusion Procurement.

Example of Updating Order Forecasts Mid-Cycle

During a planning cycle, if there is a change in the plan data mid-cycle, it will be considered to be an update and any previous commits for that time bucket will be cleared.

For example, you create a collaboration plan with a weekly frequency and the start date set for Monday. If you publish a plan on Monday, January 16, any changes to the published data during the week of January 16 will be considered as an update and will clear any previous commits for that time bucket. The following week, on Monday, January 23, when the plan is published again, it will be treated as a new planning cycle.

The following table shows changes in the plan data when there are changes in the published data mid-cycle:
An order forecast is published on 2-Jan-2017 with a weekly aggregation and Monday as the start date. The schedule is for the weeks of 6-Feb, 13-Feb, 20-Feb, and 27-Feb. On 4-Jan-2017 the decomposition process evaluates each schedule detail and compares it to the previous item forecast received on 2-Jan-2017.

- **No update**: For the aggregation week of 6-Feb, the decomposition process determines that there is no change to the pre-existing schedule detail. There are no changes in the forecast quantity, so there is no change in the commit quantity.

- **Cancel**: For the aggregation week of 13-Feb, because no record was sent, the decomposition process will assume the 2/13 bucket has been canceled. The record will be versioned and the forecast quantity will be set to 0. Any commits made will remain.

- **Update**: For the aggregation week of 20-Feb, because the forecast quantity changed, the decomposition process will create a new up versioned schedule detail record. The record will be versioned and the forecast quantity will be set to 300. A new commit will be expected.

- **Add**: For the aggregation week of 27-Feb, because the time bucket 27-Feb did not exist previously the decomposition process will create a new schedule detail record. The forecast quantity will be set to 300. A commit will be expected.

When an order forecast is republished, the service level agreement is recalculated. For example, if the service level agreement is 2 days. If the original publish date for the order forecast is 2-Jan the due date is 4-Jan. If the order forecast is republished on 3-Jan the due date is set to 5-Jan.

**Note**: The forecast data for time buckets in a past date cannot be updated in a mid-cycle update. Those quantities will remain until the end of the planning cycle.

### Example of Updating Commits Mid-Cycle

During a planning cycle, if there is a change in the commit quantity mid-cycle, the schedule details are versioned and the commit quantities are updated.

You need not provide commits across all the time buckets at the same time. For example, you can commit buckets 1-3 on Monday and commit buckets 4-8 on Tuesday.

Whenever you cancel a forecast, suppliers will need to resend the bucket they have already sent with the quantity set to 0.

If the supplier commits at a higher aggregation level, the previous commits within the time frame are automatically canceled. New schedule details are created and up-versioned and the commit quantity is set to 0.

<table>
<thead>
<tr>
<th>Date Data Received</th>
<th>Ship-From</th>
<th>Ship-To</th>
<th>Item</th>
<th>Values for Schedule Date 6-Feb</th>
<th>Values for Schedule Date 13-Feb</th>
<th>Values for Schedule Date 20-Feb</th>
<th>Values for Schedule Date 27-Feb</th>
</tr>
</thead>
<tbody>
<tr>
<td>2-Jan-2017</td>
<td>Supplier A</td>
<td>Site A</td>
<td>Y</td>
<td>150 units</td>
<td>150 units</td>
<td>150 units</td>
<td>No Record Sent</td>
</tr>
<tr>
<td>4-Jan-2017</td>
<td>Supplier A</td>
<td>Site A</td>
<td>Y</td>
<td>150 units</td>
<td>No Record Sent</td>
<td>300 units</td>
<td>300 units</td>
</tr>
</tbody>
</table>
For example, if the commit values are updated during the planning cycle 2-Jan to 3-Jan:

- Commit Version 1 on 2-Jan:
  - 6-Feb to 13-Feb: 500

- Commit Version 2 on 3-Jan:
  - 6-Feb to 6-Feb: 200
  - 8-Feb to 8-Feb: 300
  - 6-Feb to 13-Feb: 0 (Version previous commit and set quantity to 0)

**Overview of Orchestration**

The orchestration process publishes the order forecasts to the suppliers through Oracle Fusion Supplier Portal, Business to Business (B2B) messaging using Oracle Fusion Collaboration Messaging Framework, or web services.

*Note:* The Item Forecast orchestration processes are grouped by collaboration plan and whether the plan is managed or B2B Only.

The orchestration process will be active until it expires based on the planning cycle end date or B2B Only expiration period. The following seeded orchestration processes are supported:

- **Vcs_SupplyPlanning_Managed:**
  - This process is used for supply planning managed forecast collaboration. The process does the following:
    - The forecast is published to Supplier Portal and sent to Collaboration Messaging Framework if applicable.
    - When a commit is received, commit exceptions are run and commit decomposition initiated.
    - When the planning cycle expires, all the records are marked with the Expired status and the Is_CURRENT_FLAG is set to N.

  This figure provides an overview of the Vcs_SupplyPlanning_Managed process.

- **Vcs_SupplyPlanning_Unmanaged:**
  - This process is used for Supply Chain Collaboration supply planning B2B Only forecast collaboration. The process does the following:
    - The forecast is sent to Collaboration Messaging Framework. If the supplier site is not enabled for Collaboration Messaging Framework, an error event will be generated.
    - When a commit is received, commit decomposition initiated.
c. When the planning cycle expires, all the records are marked with the Expired status and the Is_CURRENT_FLAG is set to N. These records are deleted during the next decomposition cycle. This figure provides an overview of the Vcs_SupplyPlanning_Unmanaged process.

![Vcs_SupplyPlanning_Unmanaged Process Diagram]

How You Use Oracle Social Networking

You can use Oracle Social Network for interaction between the enterprise users.

To use social networking:

1. On the Manage Order Forecasts and Commits page, search for the order forecast.
2. Select a row in the search results and click **Actions > Edit**.
3. On the Edit Order Forecast Details page, click **Social**.
4. On the Oracle Social Network page, click **View Members > Manage**.
5. On the Manage Members page, search for the user and add to the member list.
6. Enter a message and send the message. You can use all standard social features like related conversations, documents, referring conversations, group management.
7. Close the Oracle Social Network page.

Manage with Oracle Fusion Supplier Portal

How You Manage with Oracle Fusion Supplier Portal

In Oracle Fusion Supplier Portal, supply chain collaboration is tracked and managed at the level of an order forecast for the supplier sites the supplier user has access. Supplier Portal Overview work area provides suppliers a quick glance across transaction flows and highlights urgent tasks which are relevant to a user’s job role.

To access the page, select **Supplier Portal** in the Navigator in the Oracle Fusion application.

Commit Order Forecasts

On the Oracle Fusion Supplier Portal - Manage Order Forecasts and Commits page, you can search for the order forecasts by entering the search parameters and navigating to the Edit Order Forecast Details page to edit the commit quantities.
As a supplier you can view only the order forecasts that are associated with you in Supplier Portal. If you are setup as a contract manufacturer, you can be enabled to view, adjust forecast quantities, or provide commits on behalf of your upstream suppliers.

Related Topics
- Enable Contract Manufacturers to Manage Order Forecasts on Behalf of Upstream Suppliers

View Order Forecasts for Upstream Suppliers

Contract manufacturers who have been enabled to manage order forecasts for their upstream suppliers can access order forecasts using the Oracle Fusion Supplier Portal Manage Order Forecasts and Commits page. You can search for an upstream supplier’s order forecasts by specifying your upstream supplier in the search parameters and navigating to the Edit Order Forecast Details page. On the Edit Order Forecast Details page, you can view, adjust forecast quantities, or provide commits on behalf of your upstream supplier.

Note: Depending on the collaboration relationship access settings, you may have permission to either adjust forecast quantities or provide commits on behalf of your upstream supplier.

Related Topics
- Enable Contract Manufacturers to Manage Order Forecasts on Behalf of Upstream Suppliers

Reports

Overview of Waterfall Reports

Supply Chain Collaboration Planners need to understand the order forecasts and supplier commitment changes over time to address supply volatility and ensure supplier accountability. Waterfall analysis is used to evaluate the cumulative effect of supplier commits against a forecast over time. The waterfall reports provide the Collaboration Planner an indicator of the quality of the supplier’s forecast and commit adherence for a given item forecast across multiple versions. As Oracle Fusion Planning Central Cloud Service or Oracle Supply Chain Planning publish new versions of order forecasts, Oracle Fusion Supply Chain Collaboration saves the previous version and the associated commits for analysis and reporting. With complete visibility, versioning, and audit trail, enterprises can work to continuously improve the collaboration process with their trading partners.

In Supply Chain Collaboration, you can view the following waterfall reports:
- Relationship by item
- Supplier by item
- Supplier site by item
- Ship to by item
- Item

In waterfall reports, you can view order forecasts and commits in alternate units of measure (UOM) rather than just the item’s primary UOM. Use the Reporting UOM Prompt in the Supply Chain Collaboration - Supply Planning Real Time subject area to update all waterfall reports to display the order forecasts and commits in the selected UOM.
For more information about subject areas, see the Oracle Supply Chain Management Cloud Subject Areas for Transactional Business Intelligence in SCM guide.

Order Forecast Waterfall by Relationship
In this report, you can view the aggregated forecast and commit quantities for a supplier site, ship to, and item per collaboration cycle.

Order Forecast Waterfall by Supplier
In this report, you can view the aggregated forecast and commit quantities for a supplier per collaboration plan, collaboration cycle, and item.

Order Forecast Waterfall by Supplier Site
In this report, you can view the aggregated forecast and commit quantities for a supplier site per collaboration plan, collaboration cycle, and item.

Order Forecast Waterfall by Ship To
In this report, you can view the aggregated forecast and commit quantities for a ship to organization per collaboration plan, collaboration cycle, and item.

Order Forecast Waterfall by Item
In this report, you can view the aggregated forecast and commit quantities for an item per collaboration plan and collaboration cycle.

Forecast Record Details
In this report, you can view the record details for a specific forecast record.

Forecast Version Details
In this report, you can view the version details for a specific forecast record.
Commit Record Details
In this report, you can view the record details for a specific commit record.

Commit Version Details
In this report, you can view the version details for a specific commit record.

Overview of Historical Performance Reports
Historical understanding of supplier commitment deviations will help an enterprise analyze the supplier’s performance and accountability, and help ensure that the demand for finished goods is met on time. The historical performance reports show the percentage of order forecasts fulfilled by a supplier, their variability over time, and their average response time. This information is prepared based on the order forecasts and commits of previous versions that are saved for analysis and reporting purposes. The enterprise can view and analyze predefined historical performance reports aggregated by collaboration plan, supplier, ship to, and item, as well as, select and display data for the previous collaboration cycle or all collaboration cycles.

Historical Performance by Collaboration Plan
In this report, you can view the commit cycle times and commit to forecast performance of the previous collaboration cycle or all collaboration cycles for a collaboration plan.

Historical Performance by Item
In this report, you can view the commit cycle times and commit to forecast performance of the previous collaboration cycle or all collaboration cycles for an item.

Historical Performance by Ship To
In this report, you can view the commit cycle times and commit to forecast performance of the previous collaboration cycle or all collaboration cycles for a ship-to organization.

Historical Performance by Supplier
In this report, you can view the commit cycle times and commit to forecast performance of the previous collaboration cycle or all collaboration cycles for a supplier.
Set Up Supply Chain Collaboration Reports

Before reports are available to use, you have to setup the reports for them to be visible in the Shared Reports and Analytics folder in the Reports and Analysis panel.

To setup reports:

1. In the Supply Chain Collaboration work area, click the **Edit Settings** icon in the Reports and Analytics panel.
2. In the Edit Settings dialog box, click **Select and Add**.
3. In the Select and Add: Reports and Analytics dialog box, expand Report Name.
4. Select the report that you want to add and click **Apply** and then click **OK**.
5. In the Edit Settings dialog box, click **Save and Close**.

View Supply Chain Collaboration Reports

To view reports:

1. In the Supply Chain Collaboration work area, expand **Shared Reports and Analytics** in the Reports and Analysis panel.
2. Click the report you want to view and select **View**.
3. On the report page, select the required parameters and click **Apply**.

Overview of OTBI for Supply Chain Collaboration

Oracle Transactional Business Intelligence (OTBI) offers you real-time, self-service reporting from Oracle Fusion Supply Chain Collaboration. It is a dynamic reporting layer built keeping the business user in mind.

You can create and view OTBI analysis using **Reports and Analytics** from the Supply Chain Collaboration work area, or by using Oracle BI Application. You can also select **Reports and Analytics** option from **Tools** on the Home page.

*Note:* The OTBI Supply Chain Collaboration subject area and reports don't support supply plans with organizations and items collected from an external source system. For supply plans collected from an external source system, use Oracle Fusion Supply Chain Planning analytics.

As a collaboration planner, you can access the Supply Chain Collaboration-related OTBI subject areas. You can view the analysis only for suppliers that you have access to.

OTBI provides the following Supply Chain Collaboration subject area, which you can use to build user-defined analysis:

- Supply Chain Collaboration - Supply Planning Real Time

The dimensions and facts in this subject area provide you visibility to supply planning transactions.

For more information, see the Oracle Supply Chain Management Cloud Creating and Administering Analytics and Reports for SCM guide.
5  Manage Vendor-Managed Inventory

Manage with Oracle Fusion Supply Chain Collaboration

How You Manage VMI with Supply Chain Collaboration

Vendor-managed inventory provides end-to-end visibility to the supplier managed replenishment process. It allows the enterprise to monitor replenishment status and inventory levels. In addition, it provides a view into the procure to pay process by providing quick access to downstream transaction documents related to the replenishment item.

The analyst has access to the following pages:

- Manage Inventory
- Manage Replenishment Requests

Manage Inventory

How You Manage Inventory with Supply Chain Collaboration

You use the Manage Inventory page to view:

- Replenishment status
- Minimum and maximum inventory thresholds
- Current on-hand inventory quantities
- Replenishment measures
- Replenishment data refresh
- Replenishment item details
- Historical replenishment item transactions

Note: You must have the VMI Analyst role to access the Manage Inventory page.

Replenishment Status

On the Manage Inventory page, you can search for an item by entering the search parameters to see the replenishment status for the items you manage.

Status Meter Gauge

With the status meter gauge, you have a visual indicator of your replenishment item's status. There are quantities that make up the status gauge. These quantities are also available as separate columns for export.

- The on-hand quantity represents the total quantity of an item stored at either the organization or the subinventory.
- The on-order quantity includes the sum of replenishment requests, purchase requisitions, open purchase orders, shipments, and receipts. The on hand and on order quantities, are added to become the projected on-
hand quantity and is compared against the minimum and maximum quantities to give you the replenishment status.

With this comparison, replenishment can have one of these statuses:

- Out of stock: If the available quantity is less than 0.
- In stock: If the minimum and maximum quantity is null or if the available quantity is greater than the minimum quantity.
- Stock above maximum: If the available quantity is greater than the maximum quantity.
- Stock below minimum: If the available quantity is less than the minimum quantity.

This figure illustrates the rules for replenishment status:

![Rules for Replenishment Status](image)

**Requiring Replenishment**

With requiring replenishment, you can return all replenishment items that must be replenished in order to avoid a stock out. You can also use this criterion to return items that don’t have minimum and maximum quantity thresholds defined.

The rules for requiring replenishment include these steps:

1. If the minimum quantity for the item is null, then replenishment is unknown, and requiring replenishment will return the Missing min-max quantities error.
2. If the minimum quantity is 0, then replenishment isn’t required.

   **Note:** Setting the minimum quantity to 0, you can temporarily suspend replenishment of an item.

3. If the projected on-hand quantity is greater than the minimum quantity, then replenishment isn’t required.
4. If the projected on-hand quantity is less than the minimum quantity, then replenishment is required.

This figure illustrates the rules for requiring replenishment:

![Diagram showing rules for requiring replenishment]
Minimum and Maximum Inventory Thresholds

The minimum and maximum inventory thresholds are required to determine the replenishment status. The min-max quantity source defined on the vendor-managed inventory (VMI) relationship determines whether the enterprise or supplier manages these thresholds.

As an enterprise user, you can’t set the minimum and maximum quantities for an item in the Oracle Fusion Supply Chain Collaboration work area. For items whose min-max quantity source is enterprise, you set the minimum and maximum quantities on the item or item subinventory records. If VMI relationship scope is organization, you set the min-max quantities on the item record in Oracle Product Information Management. If VMI relationship scope is subinventory, you set the min-max quantities on the item subinventory record in Oracle Fusion Inventory Management. The min-max quantities can be manually updated or calculated using the Calculate Min-Max Planning Policy Parameters scheduled process.

To learn more about calculating min-max quantities, see the Oracle Supply Chain Management Cloud Using Inventory Management guide.

For items whose min-max quantity source is supplier, the supplier manages the minimum and maximum quantities in Oracle Fusion Supplier Portal.

Note: You can quickly find items that are missing min-max quantities using the Requiring Replenishment search criteria.

On-Hand Quantity

The Manage Inventory page provides visibility to the replenishment item on-hand inventory balances. The on-hand quantities are maintained in Oracle Fusion Inventory Management. The on-hand quantity represents the total quantity of an item stored at either the organization or the subinventory level, depending on how the relationship is defined. When the scope of a relationship is organization, the on-hand quantity is a sum of all storage subinventories within the organization. When the scope of a relationship is subinventory, the on-hand quantity only reflects a single storage subinventory.

The on-hand and on-order quantities are added to become the projected on-hand quantity that is used to evaluate replenishment status.

Replenishment Measures

On the Manage Inventory page, you can search for an item by entering the search parameters to see aggregated replenishment measures.

The aggregated quantities are available for the following measures:

<table>
<thead>
<tr>
<th>Measure</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Pending Acknowledgment</td>
<td>The open purchase order quantity that requires supplier acknowledgment. Select this quantity to open the View Item Details page that displays only the purchase orders that are pending supplier acknowledgment.</td>
</tr>
<tr>
<td>Replenishment Quantity</td>
<td>The replenishment request quantity that is currently pending request approval by the enterprise. Select this quantity to open the Manage Replenishment Requests page that displays only the replenishment requests that are pending request approval.</td>
</tr>
<tr>
<td>Purchase Order Quantity</td>
<td>The open purchase order quantity that is awaiting shipment. Select this quantity to open the View Item Details page that displays only the purchase orders that are pending fulfillment.</td>
</tr>
</tbody>
</table>
Refresh Replenishment Data

On the Manage Inventory page, you can search for an item by entering the search parameters and see the last time the data was refreshed and refresh it, if required.

To refresh the data:

- Run the Refresh VMI Replenishment Data scheduled process.
- Select the replenishment item row on the Manage Inventory page and click Actions > Refresh Replenishment Data. This method is useful if you’re working with a supplier and want to ensure one or a few items have been updated in between running the scheduled process.

**Note:** In Oracle Fusion Supply Chain Collaboration work area, only data on the Manage Inventory page, VMI Exceptions infolet, and Requiring Replenishment infolet is a snapshot and needs to be periodically refreshed. The View Item Details page, the Review Item Transactions page, and the pages in the Oracle Fusion Supplier Portal work area display real-time data and do not need to be refreshed.

To refresh VMI data for a selected replenishment item:

1. In the Supply Chain Collaboration work area, click Manage Inventory in the Tasks panel.
2. On the Manage Inventory page, search for the item.
3. Add the Last Refresh Date column to the search results to see the last time the item was refreshed.
4. Select the relevant row in the search results and click Actions > Refresh Replenishment Data.

The data for the replenishment item is refreshed and the Last Refresh Date is updated.

**Related Topics**

- Refresh VMI Replenishment Data

View Replenishment Item Details

On the Manage Inventory page, you can search for an item by entering the search parameters and navigating to the View Item Details page to view the details of the item.

On the View Item Details page, you can:

- View in-flight purchase orders and the life cycle quantity for each one
- View orders pending change approval and pending supplier acknowledgment
- Drill to purchase order details and order life cycle in Oracle Fusion Procurement
To view the details of an item:

1. In the Supply Chain Collaboration work area, click **Manage Inventory** in the Tasks panel.
2. On the Manage Inventory page, search for the item.
3. Select the relevant row in the search results and click **Actions > View Item Details**.

   The View Item Details page displays the purchase order details of the item.

**View Replenishment Item Transactions**

On the Manage Inventory page, you can search for the items by entering the search parameters and navigating to the Review Item Transactions page to review the transaction details of an item.

The Review Item Transactions page displays the request, requisition, purchase order, shipment, receipt, invoice, and payment transactions of the replenishment item from the last 7, 30, 90, or 120 days. Each document in the life cycle is linked to allow navigation for more detail.

To review the transaction details of an item:

1. In the Supply Chain Collaboration work area, click **Manage Inventory** in the Tasks panel.
2. On the Manage Inventory page, search for the item.
3. Select the relevant row in the search results and click **Actions > Review Item Transactions**.

   The Review Item Transactions page displays the transactions for the item.

**Manage Replenishment Requests**

**How You Manage Replenishment Requests**

The Manage Replenishment Request page allows the enterprise users to monitor the progress of each replenishment request submitted by suppliers. It provides end-to-end visibility to all the downstream transaction documents related to the request, which includes the purchase requisition, purchase order, shipment, receipt, invoice, and payment. You can drill down to the relevant document to access additional details.

You can determine where requests are within their life cycle by using the Replenishment Life Cycle search criteria. It includes the following statuses:

- Pending request approval: The replenishment request is waiting to be approved by the enterprise.
- Pending shipment: The purchase order is approved and awaiting shipment
- Pending receipt: Shipments are in-transit and have yet to be received
- Pending delivery: Shipments are in receiving and awaiting delivery

   **Note:** The values for deliver-to location and purchase requisitions are visible only to enterprise users.

**Replenishment Requests**

Replenishment requests are documents used by the supplier to initiate the replenishment process for items they manage. Submitted requests are then used to create externally managed purchase requisitions within Oracle Fusion Procurement.

The replenishment request document contains the following attributes:

- Item
• Organization
• Subinventory
• Supplier Site: This is optional
• Quantity
• Delivery Date
• Notes: This is optional. If you enter a value, it will appear as a note to buyer on the purchase requisition

For more information about externally managed purchase requisitions, see the Oracle Procurement Cloud Using Procurement guide.

**Note:** Replenishment requests can only be created by suppliers when the inventory planning owner of the replenishment item is supplier. Enterprise users cannot create replenishment requests. For items whose inventory planning owner is enterprise, purchase orders are created using existing methods, such as manually in Oracle Fusion Purchasing or using the min-max planning report in Oracle Fusion Inventory Management.

### Replenishment Request Statuses

Here's the list of statuses that a vendor-managed inventory (VMI) replenishment request has:

<table>
<thead>
<tr>
<th>Status</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Submitted</td>
<td>The supplier submits the replenishment request. A scheduled process runs to transform the request into a requisition. In process Your replenishment request is in the process of transforming into an externally managed purchase requisition.</td>
</tr>
<tr>
<td>Requested</td>
<td>Your requisition is approved and created, but your purchase order is not yet created for the associated requisition number. If the purchase agreement for this item does not automatically generate purchase orders, you can use Process Requisitions in the Procurement work area to process the purchase requisition.</td>
</tr>
<tr>
<td>In review</td>
<td>Your purchase order is created and awaiting buyer approval.</td>
</tr>
<tr>
<td>Closed</td>
<td>Your purchase order is approved and replenishment request status is closed.</td>
</tr>
<tr>
<td>Failed</td>
<td>The purchase requisition creation process failed due to missing configuration data. Click Failed to see the errors that caused the replenishment request to fail and correct any setup issues that caused the errors.</td>
</tr>
<tr>
<td>Canceled</td>
<td>The buyer or supplier canceled the purchase order. Rejected The buyer returned the purchase requisition or rejected the purchase order.</td>
</tr>
</tbody>
</table>

**Note:** You can view the errors for a failed purchase requisition only in Oracle Fusion Supply Chain Collaboration.
Manage with Oracle Fusion Supplier Portal

How You Manage VMI with Supplier Portal

Vendor-managed inventory provides end-to-end visibility to the supplier managed replenishment process. It allows the supplier to monitor replenishment status and inventory levels. The supplier can initiate the replenishment process by submitting replenishment requests. In addition, it provides a view into the procure to pay process by providing the supplier quick access to downstream transaction documents related to the replenishment item.

The supplier has access to the following pages for vendor-managed inventory:
- Manage Inventory
- Manage Replenishment Requests

Manage Inventory

How You Manage Inventory with Supplier Portal

You use the Manage Inventory page to view:
- Replenishment status
- Minimum and maximum inventory thresholds
- Current on-hand inventory quantities
- Replenishment measures
- Replenishment data refresh
- Replenishment item details
- Historical replenishment item transactions

Suppliers can also manage min-max quantity thresholds, create replenishment requests and create advance shipment notices (ASN).

**Note:** On the Manage Inventory page, suppliers can only manage the items assigned to them.

Replenishment Measures

On the Manage Inventory page, suppliers can search for an item by entering the search parameters to see aggregated replenishment measures.

The aggregated quantities are available for the following measures:

<table>
<thead>
<tr>
<th>Measure</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Pending Acknowledgment</td>
<td>The open purchase order quantity that requires supplier acknowledgment. Select this quantity to open the View Item Details page that displays only purchase orders that are pending supplier acknowledgment.</td>
</tr>
<tr>
<td>Measure</td>
<td>Description</td>
</tr>
<tr>
<td>-------------------------</td>
<td>---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------</td>
</tr>
<tr>
<td>Replenishment Quantity</td>
<td>The replenishment request quantity that is currently pending request approval by the enterprise. Select this quantity to open the Manage Replenishment Requests page that displays only the replenishment requests that are pending request approval.</td>
</tr>
<tr>
<td>Purchase Order Quantity</td>
<td>The open purchase order quantity that is awaiting shipment. Select this quantity to open the View Item Details page that displays only the purchase orders pending fulfillment.</td>
</tr>
<tr>
<td></td>
<td><strong>Note:</strong> If a change order is pending, a warning icon will appear beside this quantity.</td>
</tr>
<tr>
<td>In-Transit Quantity</td>
<td>The shipped quantity that is yet to be received. This quantity is derived using advanced shipment notices. Select this quantity to open the Manage Shipments page in Oracle Fusion Supplier Portal work area.</td>
</tr>
<tr>
<td>Received Quantity</td>
<td>The quantity is received and awaiting delivery. Select this quantity to open the View Item Details page that displays only the purchase orders with quantity in receiving.</td>
</tr>
</tbody>
</table>

These quantities are calculated in real-time and allow the supplier to immediately see changes as they initiate requests and shipments.

**View Replenishment Item Details**

On the Manage Inventory page, you can search for an item by entering the search parameters and navigating to the View Item Details page to view the details of the item.

On the View Item Details page, you can:

- Create advanced shipment notices (ASNs) for replenishment items with open purchase orders
- View in-flight purchase orders and the life cycle quantity for each one
- View orders pending change approval
- View and acknowledge orders pending supplier acknowledgment
- Drill to purchase order details and order life cycle in Oracle Fusion Supplier Portal

To view the details of an item:

1. In the Supplier Portal work area, click **Manage Inventory** in the Tasks panel.
2. On the Manage Inventory page, search for the item.
3. Select the relevant row in the search results and click **Actions > View Item Details**.

The View Item Details page displays the purchase order details of the item.

**View Replenishment Item Transactions**

On the Manage Inventory page, you can search for the items by entering the search parameters and navigating to the Review Item Transactions page.
The Review Item Transactions page displays the request, purchase order, shipment, receipt, invoice, and payment transactions of the replenishment item from the last 7, 30, 90, or 120 days. Each document in the life cycle is linked to allow navigation for more detail.

To review the transaction details of an item:

1. In the Oracle Fusion Supplier Portal work area, click Manage Inventory in the Tasks panel.
2. On the Manage Inventory page, search for the item.
3. Select the relevant row in the search results and click Actions > Review Item Transactions.

   The Review Item Transactions page displays the transactions of the item.

Manage Replenishment Requests
As a supplier, you can create replenishment requests using the Manage Inventory page. You can create a single request for a given replenishment item or upload multiple requests using spreadsheets.

Create a Replenishment Request
On the Manage Inventory page, you can search for an item by entering the search parameters and opening the Create Replenishment Request dialog to create a replenishment request.

To create a replenishment request:

1. In the Supplier Portal work area, click Manage Inventory in the Tasks panel.
2. On the Manage Inventory page, search for the item.
3. Select an item in the search results and click Actions > Create Replenishment Request.
4. On the Create Replenishment Request dialog box, values for Item, Organization, Subinventory is pre-populated using the context of the item selected.
5. Select Supplier Site. This is optional.

   Note: The supplier will only be able to select supplier sites they have access to view. If not selected, the supplier site will be defined by the enterprise purchase order process.

6. Enter Quantity
7. Adjust the Delivery Date if current date is not preferred
8. Enter Notes. This is optional. If you enter notes, it will appear as a note to buyer on the purchase requisition
9. Click Submit.

   A confirmation will appear letting you know that the request was successfully submitted.
10. Click OK
11. Click View > Refresh. The Replenishment Quantity column will include the additional quantity. Select this quantity to open the Manage Replenishment Requests page that displays only the replenishment requests that are pending request approval.

   Note: The replenishment requests can only be created by suppliers when inventory planning owner of the replenishment item is supplier.

Upload Replenishment Requests
On the Manage Inventory page, you can upload replenishment requests using spreadsheets.

To upload replenishment requests:

1. In the Supplier Portal work area, click Manage Inventory in the Tasks panel.
2. On the Manage Inventory page, click Actions > Upload Replenishment Requests.
3. On the Upload Replenishment Requests page, click Actions > Download Template.
4. On the Download Template dialog box, select **Seed Data** and click **OK**.

   **Note:** You can choose to download a blank template or pre-populate your template. You can include all records or filter the seed data by Organization, Subinventory, Ship-to Location, Item, or Item Category.

   A .csv file is downloaded with the selected seed data.

5. Open the .csv file in a spreadsheet editor.

6. Update the values in the Quantity, Delivery Date and Notes columns. Notes are optional.

7. Save and close the .csv file.

8. On the Upload Replenishment Requests page, click **Actions > Upload**.

9. On the File Upload dialog, click **Choose File** to search for the .csv file that you updated.

10. Click **Submit**.

11. Click **Done** to go back to the Manage Inventory page.

12. Click **View > Refresh**. The Replenishment Quantity column will include the additional quantity. Select this quantity to open the Manage Replenishment Requests page that displays only the replenishment requests that are pending request approval.

The Upload Replenishment Request page allows suppliers to view the status of the upload and review error messages, if any. The uploaded file will be available for 30 days.

### Create an Advance Shipment Notice

On the Manage Inventory page or the View Item Details page, you can create one or multiple advance shipment notices (ASNs) for replenishment items with open purchase orders.

**Note:** When selecting multiple rows, they must all be associated to the same ship-to organization.

To create an ASN for an item:

1. In the Supplier Portal work area, click **Manage Inventory** in the Tasks panel.
2. On the Manage Inventory page, search for the item.
3. Select one or multiple rows associated to the same organization you want to create ASNs for and click **Actions > Create ASN**.
4. The Create ASN page displays the list of purchase orders available for shipment.

**Related Topics**

- Overview of Managing ASNs and ASBNs

### Manage Minimum and Maximum Inventory Thresholds

The minimum and maximum inventory thresholds are required to determine the replenishment status. The minimum and maximum quantity source defined on the vendor-managed inventory (VMI) relationship determines whether the enterprise or supplier manages these thresholds.

For items whose min-max quantity source is supplier, the supplier manages the minimum and maximum quantities on the Manage Inventory page. The supplier can manage these quantities for individual items within the search results or can be uploaded using a spreadsheet.

For items whose minimum and maximum quantity is enterprise, the enterprise sets the minimum and maximum quantities on the item or item subinventory records in Oracle Fusion applications.

**Note:** The supplier can quickly find items with missing minimum and maximum quantities using the search criteria for requiring replenishment.
Set up Minimum and Maximum Quantities
On the Manage Inventory page, you can search for an item by entering the search parameters and set the minimum and maximum quantities for the item.

To set the minimum and maximum quantities for an item:
1. In the Supplier Portal work area, click **Manage Inventory** in the Tasks panel.
2. On the Manage Inventory page, search for an item.
3. Select the item row for which you want to update the values.
4. Enter numeric values for **Minimum Quantity** or **Maximum Quantity**.
5. Click **Save** to save your changes.

Upload Minimum and Maximum Quantities
On the Manage Inventory page, as a supplier you can upload minimum and maximum quantities using spreadsheets.

To upload minimum and maximum quantities:
1. In the Supplier Portal work area, click **Manage Inventory** in the Tasks panel.
2. On the Manage Inventory page, click **Actions** > **Upload Min-Max Quantities**.
3. On the Upload Min-Max Quantities page, click **Actions** > **Download Template**.
4. On Download Template dialog box, click **Actions** > **Download Template**. A .csv file is downloaded with the selected seed data.

**Note:** You can choose to download a blank template or pre-populate your template. You can include all records or filter the seed data by Organization, Subinventory, Item or Item Category.

5. Open the .csv file in a spreadsheet editor.
6. Update the values in the **Minimum Quantity** and **Maximum Quantity** columns.
7. Save and close the .csv file.
8. On the Upload Min-Max Quantities page, click **Actions** > **Upload**.
9. On the File Upload dialog box, click **Choose File** to search for the .csv file that you updated.
10. Click **Submit**.

You can view the status of the uploaded file and review the error messages, if any, on the Upload Min-Max Quantities page. The uploaded file will be available for 30 days.

Manage Replenishment Requests

How You Manage Replenishment Requests
As a supplier, you can monitor progress of each replenishment request using the Manage Replenishment Request page. It provides end-to-end visibility to all the downstream transaction documents related to the request which includes the purchase requisition, purchase order, shipment, receipt, invoice and payment. You can drill down to the relevant document to access additional details. You can also create replenishment requests using this page. Requests can be created, duplicated from existing requests, or uploaded using spreadsheets.

**Note:** The value for deliver-to location and purchase requisitions are only visible to enterprise users.

Create a Replenishment Request
To create a replenishment request:
1. In the Supplier Portal work area, click **Manage Replenishment Requests** in the Tasks panel.
2. On the Manage Replenishment Requests page, click **Actions > Create Replenishment Request**.
3. On the Create Replenishment Request dialog box, select the value for Item.
4. Select **Organization**
5. Select **Subinventory**, if required
6. Select **Supplier Site** (optional)
   - **Note:** The supplier will only be able to select supplier sites they have access to view. If not selected, the supplier site will be defined by the enterprise purchase order process.
7. Enter **Quantity**
8. Adjust the **Delivery Date** if current date is not preferred
9. Enter **Notes** (optional). The notes will appear as the Note to Buyer on the purchase requisition
10. Click **Submit**.
   - **Note:** The replenishment requests can only be created by suppliers when inventory planning owner of the replenishment item is supplier.

**Duplicate a Replenishment Request**
To duplicate a replenishment request:
1. In the Supplier Portal work area, click **Manage Replenishment Requests** in the Tasks panel.
2. On the Manage Replenishment Requests page, search for the replenishment request.
3. Select the relevant row in the search results and click **Actions > Duplicate Replenishment Request**.
4. On the Create Replenishment Request dialog box, adjust the quantity, delivery date, and any notes to the buyer if needed.
5. Click **Submit**.

**Upload Replenishment Requests**
To upload replenishment requests:
1. In the Supplier Portal work area, click **Manage Replenishment Requests** in the Tasks panel.
2. On the Manage Replenishment Requests page, click **Actions > Upload Replenishment Requests**.
3. On the Upload Replenishment Requests page, click **Actions > Download Template**.
4. On the Download Template dialog box, select **Seed Data** and click **OK**. A .csv file is downloaded with the selected seed data.
   - **Note:** You can choose to download a blank template or pre-populate your template. You can include all records or filter the seed data by Organization, Subinventory, Ship-to Location, Item or Item Category.
5. Open the .csv file in a spreadsheet editor.
6. Update the values in the Quantity, Delivery Date and Notes columns. Notes is optional.
7. Save and close the .csv file.
8. On the Upload Replenishment Requests page, click **Actions > Upload**.
9. On the File Upload dialog box, click **Choose File** to search for the .csv file that you updated.
10. Click **Submit**.

On the Upload Replenishment Request page, you can view the status of the upload and review error messages, if any. The uploaded file will be available for 30 days.

**Create an Advance Shipment Notice**
On the Manage Replenishment Requests page, you can create one or multiple advance shipment notices (ASNs) for replenishment items with open purchase orders.
Note: When selecting multiple rows, they must all be associated to the same ship-to organization.

To create an ASN for an item:

1. In the Supplier Portal work area, click Manage Replenishment Requests in the Tasks panel.
2. On the Manage Replenishment Requests page, search for the item.
3. Select one or multiple rows associated to the same organization you want to create ASNs for and click Actions > Create ASN.
4. The Create ASN page displays the list of purchase orders available for shipment.