Oracle

SCM Cloud
Using Supply Chain Collaboration

Release 13 (update 18A)
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Preface

This preface introduces information sources that can help you use the application.

Oracle Applications Help

Use help icons ✉️ to access help in the application. If you don't see any help icons on your page, click the Show Help icon ✉️ in the global header. Not all pages have help icons. You can also access Oracle Applications Help at https://fusionhelp.oracle.com.

Using Applications Help

Watch: This video tutorial shows you how to find help and use help features.

You can also read Using Applications Help.

Additional Resources

- **Community**: Use Oracle Cloud Customer Connect to get information from experts at Oracle, the partner community, and other users.
- **Guides and Videos**: Go to the Oracle Help Center to find guides and videos.
- **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>
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<tbody>
<tr>
<td><strong>boldface</strong></td>
<td>Boldface type indicates user interface elements, navigation paths, or values you enter or select.</td>
</tr>
<tr>
<td><strong>monospace</strong></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>

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Comments and Suggestions

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

Supply Chain Collaboration Introduction

Supply Chain Collaboration: Overview

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 Supply Chain 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.

- 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

Supply Planning Collaboration: Overview

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 the supply planning collaboration features to:

- Publish supply plans from Oracle Fusion Planning Central Cloud Service or Oracle Supply Chain Planning, which can be analyzed and shared with suppliers as order forecasts.

- 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:
  
  o Past due commits, where the supplier has not committed by the agreed commit due date established in the Service Level Agreement (SLA).
  o Forecast changes, where the current cycle forecast quantity has changed from the previous cycle.
  o 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: How They Work Together

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:

<table>
<thead>
<tr>
<th>Supply Plan Creation</th>
<th>Interface Tables</th>
<th>Orchestration</th>
<th>Execution Systems</th>
</tr>
</thead>
<tbody>
<tr>
<td>Planning Central Cloud</td>
<td>Supply Chain Planning</td>
<td>Supplier capacity</td>
<td>Supply Chain Collaboration Interface Tables</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Validate interface data</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Create order forecast</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Launch Orchestration process</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Start task execution</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Forecast commits</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Fusion Applications</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Supplier Portal</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Collaboration Messaging Framework</td>
</tr>
</tbody>
</table>

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>
<tbody>
<tr>
<td><strong>Supply plan creation applications</strong></td>
<td>Supply plans are created in Oracle Supply Chain Planning or Oracle Fusion Planning Central Cloud Service. The Publish Order Forecast scheduled process filters the supply plan data by:</td>
<td>• Record the supply plans in the Supply Chain Planning tables  • Record the supply plan data in the Supply Chain Collaboration interface tables after the scheduled process is run</td>
</tr>
<tr>
<td></td>
<td>• Supply plan</td>
<td></td>
</tr>
<tr>
<td></td>
<td>• Organization for supply planning</td>
<td></td>
</tr>
<tr>
<td></td>
<td>• Planner, which is the Supply Demand Planner ID</td>
<td></td>
</tr>
<tr>
<td></td>
<td>• Category</td>
<td></td>
</tr>
<tr>
<td></td>
<td>• Item, which is the enterprise item ID</td>
<td></td>
</tr>
<tr>
<td></td>
<td>• Supplier</td>
<td></td>
</tr>
<tr>
<td></td>
<td>• Supplier site</td>
<td></td>
</tr>
<tr>
<td><strong>Interface Tables</strong></td>
<td>The data is ready for collaboration.</td>
<td>Store supply forecast and commit data in the Supply Chain Collaboration interface tables</td>
</tr>
<tr>
<td><strong>Decomposition</strong></td>
<td>The Supply Planning Collaboration Decomposition scheduled process:</td>
<td>• Create order forecasts  • Update order forecast mid-cycle  • Launch orchestration process</td>
</tr>
<tr>
<td></td>
<td>• Reads the payloads from the interface tables</td>
<td></td>
</tr>
<tr>
<td></td>
<td>• Evaluates forecast exceptions</td>
<td></td>
</tr>
<tr>
<td></td>
<td>• Creates or updates an order forecast, used by Supply Chain Collaboration to publish to suppliers</td>
<td></td>
</tr>
<tr>
<td></td>
<td>• Assigns and launches the orchestration process</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Order forecast quantities are sent and stored in daily time buckets. However, they are displayed in weekly, monthly, or period aggregations.</td>
<td></td>
</tr>
<tr>
<td><strong>Orchestration</strong></td>
<td>Orchestrates supply by:</td>
<td>Publish forecasts to Oracle Fusion Supplier Portal and Supply Chain Collaboration  • Send B2B messages</td>
</tr>
<tr>
<td></td>
<td>• Assigning an orchestration process and starting orchestration</td>
<td></td>
</tr>
<tr>
<td></td>
<td>• Running the determined business process</td>
<td></td>
</tr>
<tr>
<td></td>
<td>• Grouping Business to Business (B2B) messages by supplier site per plan</td>
<td></td>
</tr>
<tr>
<td><strong>Execution systems</strong></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>Supplier provides commits  • Contract Manufacturer reviews order forecasts for their upstream suppliers  • 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: Explained

The supply planning collaboration process flow includes the following steps:

1. A Supply Chain Planner uses Oracle Fusion Applications, such as Oracle Supply Chain Planning or Oracle Fusion Planning Central Cloud Service to create supply plans.
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 Oracle Supply Chain Planning or Oracle Fusion Planning Central Cloud Service as supplier capacity.

### Related Topics

- **Publish Order Forecast: Explained**
- **Receiving Supplier Commits: Explained**
Supply Planning Collaboration User Roles: Explained

The following table describes 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 Supply Chain 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                                           |

Contract Manufacturing Collaboration

Contract Manufacturing Collaboration: Overview

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

Contract Manufacturing Collaboration with Suppliers: Explained

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: Explained

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

OEMs 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: Explained

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: Explained

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>
<tr>
<td></td>
<td>• Navigate to the collaboration area and provide manufacturing or production report updates</td>
</tr>
<tr>
<td>Supply Chain Operations Manager</td>
<td>This role is assigned to original equipment manufacturers (OEMs) to:</td>
</tr>
<tr>
<td></td>
<td>• View supplier-provided updates for the in-progress contract manufacturing purchase orders</td>
</tr>
</tbody>
</table>
B2B Messaging

Monitor B2B Messages: Overview

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 Chain Collaboration

Types of Supply Planning Collaboration: Explained

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

Related Topics
- Using Collaboration Messaging: Overview

Manage Supply Collaboration Network

Manage Supply Collaboration Network: Overview

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
Searching for Collaboration Relationships: Procedure

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

Creating Collaboration Relationships: Procedure

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

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

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

   ✍ Note: Only the items associated with the selected organization are listed. The item must be associated to the ship-to organization within Oracle Product Information Management before it can be selected in Oracle Fusion Supply Chain Collaboration.

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

   ✍ Note: If you do not enter a start date, the relationship is treated as active from the current date until the end date. If you do not enter an end date, the relationship is treated as active from the start date.

   ✍ Note: 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 the following values:
   - 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 does not provide commit an exception is thrown.

   Decomposition will calculate 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.
Modifying Collaboration Relationships: Procedure

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.

Duplicating Collaboration Relationships: Procedure

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.

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 cannot 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.
Configure Supply Chain Collaboration

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.

Deleting a Collaboration Relationship: Procedure

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.

Updating Multiple Collaboration Relationships: Procedure

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**.

   **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.

6. Click **Save and Close**.

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

Creating Collaboration Relationships from Relationship Candidates: Procedure

Collaboration relationship candidates provide visibility into the unprocessed or B2B-only transactions that are not being actively managed by Supply Chain Collaboration because of missing setup data. On the Manage Supply Collaboration Network page, you can select relationship candidates that are not collaborated on and convert them to collaboration relationships.

To create collaboration relationships from relationship candidates:

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 are not collaborated on and do one of the following:
   - 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.

Modeling a Multi-Tiered Relationship Between a Contract Manufacturer and a Supplier: Explained

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 they are modeled 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.

![Diagram of a multi-tiered relationship]

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</td>
<td>Component</td>
</tr>
<tr>
<td></td>
<td></td>
<td>(Organization A)</td>
<td></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.

Related Topics
- Using Collaboration Messaging: Overview

Enabling Contract Manufacturers to Manage Order Forecasts on Behalf of Upstream Suppliers: Procedure

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**.

Searching For Contract Manufacturers: Procedure

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.

Editing a Collaboration Configuration: Procedure

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**.

### Automatically Commit to Order Forecasts: Procedure

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.

### Collaboration Plans
Planning Cycle: Overview

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.

Manage Collaboration Plans: Explained

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

Searching for Collaboration Plans: Procedure

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

Creating Collaboration Plans: Explained

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

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 supply plan. The supply plans are created in Oracle Fusion Planning Central Cloud Service or Oracle Supply Chain Planning.

   The default collaboration plan name is same as the supply plan. If required, enter a new name for the collaboration plan.

   ✍️ Note: Only the collaboration plan name is available to the suppliers using Oracle Fusion Supplier Portal.

4. Select the initial status of the collaboration plan.
5. Enter the weekly frequency and select a start day.
6. Click Save and Close to save the new collaboration plan. Requery to display the collaboration plan in the search results.

Modifying a Collaboration Plan: Explained

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.
Creating Collaboration Plans from Plan Candidates: Procedure

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.

Aggregation Schedules

Define Aggregation Schedules: Overview

The aggregation schedule is used to determine:

- How forecasts are aggregated when displaying to collaboration planners and suppliers.
- How exceptions are calculated.
Aggregation Schedule: Explained

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.

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.

Defining an Aggregation Schedule: Procedure

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

Manage Collaboration Planners: Overview

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

Related Topics

- Data Access: Overview

Searching for Collaboration Planners: Explained

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.
Creating Collaboration Planners: Procedure

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.

Modifying Collaboration Planner: Procedure

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.

### Duplicating Collaboration Planner: Procedure

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.
6. Select values for **Full Access** and **Status**.

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.
9. Select the value for **Security Context Value**.

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.

### Deleting a Collaboration Planner: Procedure

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.
3 Managing Order Forecasts and Commits

Manage Order Forecasts and Commits: Overview

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.

Searching for Order Forecasts: Procedure

On the Manage Order Forecasts and Commits page, you can view the order forecasts and their commit data by searching for them by entering the search parameters.

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

- In 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 the user has access to by using the Ship-to field, where the ship to organization has view access to the order forecast sent to its supplier. Additionally, for the Supplier and Supplier Site fields, you can use Is blank to search for order forecasts where Ship To is only an organization, or use Is not blank to search for order forecasts where the Ship To is a contract manufacturer.

Editing Order Forecasts and Commits: Procedure

On the 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 forecast and commit quantities.
To edit order 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, the 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 the following:
   - Inline editing: Allows you to enter the forecast or commit quantity for one cell at a time.
   - Edit multiple cells at once: Allows you to enter the forecast or commit quantity for all cells in the row.
7. Do one of the following:
   - **Note**: A forecast change is considered a new version of the forecast so commit values will be cleared for the changed buckets.
   - Click **Actions > Publish** to publish the forecast changes to the supplier. You have an option to submit any draft commitments during this action.
   - 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 are not visible to the enterprise until the values are committed. Enterprise provided draft values are not 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 does not exist as a schedule detail, a new schedule detail record will be created for the first day of the bucket.

### Editing a Forecast or Commit Quantity Inline: Procedure

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

To edit an order forecast or commit quantity inline:

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.

### Editing Multiple Forecast or Commit Values: Procedure

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.

To edit multiple order forecast or commit quantities:

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 the following:
   - **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 the following 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 cannot 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 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.
     - **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.

### Editing Forecast or Commit Values Using a Flat File: Procedure

You can download the order forecast details into a flat file to facilitate analysis and modification of 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.

To edit an order forecast commit quantity using a downloaded flat file:

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**.
   
   A .csv file is downloaded with the order forecast information.
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.
8. On the File Upload dialog, click Search File to search for the .csv file that you updated.
9. Click Submit.

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

Edited Multiple Forecast or Commit Values Using a Flat File: Procedure

You can download multiple order forecast details into a flat file to facilitate analysis and modification of 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.

To edit multiple order forecast or commit quantities using a downloaded flat file:

1. On the Manage Order Forecasts and Commits page, search for the order forecast.
2. Do one of the following:
   - To download all the order forecasts that are currently in the search results, click Actions > Download > Download Search Results.
   - To download all the order forecasts that you have access to, click Actions > Download > Download All Records.

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

> **Note:** Large download files are scheduled and can be retrieved using the Review Scheduled Download Files page.

3. Open the .csv file in a spreadsheet editor.
4. Update the values in the Forecast Quantity or Commit Quantity column.
5. Save and close the .csv file.
6. Click Actions > Upload.
7. On the File Upload dialog click Search File to search for the .csv file that you updated.
8. Click Submit.

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

Publishing Order Forecasts: Procedure

When you save a forecast value, the value is not 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.
To publish the values:

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.

The following actions occur when publishing order forecast values:

- Orchestration is notified that there are updated forecasts to process.
- The 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: Procedure

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 will not be visible in Supply Chain Collaboration until you commit the update.

To commit the values:

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**.

---

Commit Order Forecasts from the Manage Order Forecasts and Commits Page: Procedure

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 Scheduled Download Files: Explained

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 Scheduled Upload Files: Explained

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.

Viewing Purchasing Measures: Procedure

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.

Updating Order Forecasts Mid-Cycle: Explained

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:

<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>

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.

### Updating Commits Mid-Cycle: Explained

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.

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)

### Orchestration: Overview

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:
  a. The forecast is published to Supplier Portal and sent to Collaboration Messaging Framework if applicable.
  b. When a commit is received, commit exceptions are run and 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.
This figure provides an overview of the Vcs_SupplyPlanning_Managed process.

**Vcs_SupplyPlanning_Managed Process**

- **CMK Enabled?**: Yes
- **Prepare for CMK**
- **All Entries for Site Ready?**: Yes
- **Raise GetForecast CMK Event for Site**
- **Wait for Commit Response**
- **Expired?**: Yes

Expiration Cleanup will mark current Collabo Entry records with a status of **Expired** and **Is_CURRENT_FLAG = 'N'**

**Vcs_SupplyPlanning_Unmanaged Process**

- **CMK Enabled?**: No
- **Raise Supplier Notify Event**
- **Exit**

**Vcs_SupplyPlanning_Unmanaged**: This process is used for Supply Chain Collaboration supply planning B2B Only forecast collaboration. The process does the following:

a. 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.

b. 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.

**Using Oracle Social Networking: Procedure**

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.
Reports: Overview

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

Setting Up Waterfall Reports: Explained

Before the waterfall reports are available to use, you have to setup the reports to show up in the Shared Reports and Analytics folder in the Reports and Analysis panel.

To setup the waterfall reports:

1. In the Supply Chain Collaboration work area, click the Edit Settings icon in the Reports and Analytics panel.
2. On the Edit Settings dialog box, click Select and Add.
3. On 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. On the Edit Settings dialog box, click Save and Close.

Viewing Waterfall Reports: Procedure

To view the waterfall 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.
OTBI for Supply Chain Collaboration: Explained

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.

If you are assigned the Collaboration Planner role, you can automatically 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.

Related Topics
- Creating and Administering Analytics and Reports for SCM

Order Forecast Waterfall by Relationship: Explained

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: Explained

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: Explained

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: Explained

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: Explained
In this report, you can view the aggregated forecast and commit quantities for an item per collaboration plan and collaboration cycle.

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

Forecast Version Details: Explained
In this report, you can view the version details for a specific forecast record.

Commit Record Details: Explained
In this report, you can view the record details for a specific commit record.

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

Historical Performance by Collaboration Plan: Explained
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: Explained
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: Explained

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: Explained

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.
5 Managing Scheduled Processes

Scheduled Processes: Overview

Supply plans are created 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 historical data when it is no longer needed.

Publish Order Forecast: Explained

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 planned orders, if you include purchase orders, requisitions, or transfer orders, these quantities are combined with the planned order quantity.

To configure the Publish Order Forecast scheduled process to publish purchasing measures, use the following parameters:

- Include purchase orders in the order forecast
- Include requisitions in the order forecast
- Publish order details

Scheduling Decomposition: Explained

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.

Receiving Supplier Commits: Explained

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.

Purging Historical Data: Explained

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.

Managing Enterprise Scheduled Processes: Explained

You use the Scheduled Processes work area to manage the scheduled processes. You can do the following:

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

Manually Running the Scheduled Processes: Procedure

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.**


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.

### Setting Up Processes to Run on a Reoccurring Schedule: Procedure

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

1. In the Scheduled Processes work area, click **Actions > Schedule New Process.**
2. On the Schedule New Process dialog box, search for the process, such as the 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 at the reoccurring schedule.
6 Working with Oracle Fusion Supplier Portal

Working with Oracle Fusion Supplier Portal: Overview

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.

Committing Order Forecasts: Procedure

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

- Editing Order Forecasts and Commits: Procedure
- Enabling Contract Manufacturers to Manage Order Forecasts on Behalf of Upstream Suppliers: Procedure

Viewing Order Forecasts for Upstream Suppliers: Explained

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

- Enabling Contract Manufacturers to Manage Order Forecasts on Behalf of Upstream Suppliers: Procedure