

User Manual

Aptean Food and Beverage ERP

Production Order Linkage

Product Documentation



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Release notes

Article • 7/22/2026 • 1 min read

To view what's new or changed in each release of the Aptean Production Order Linkage extension, select the specific release version.

Date	Release Version	Release Type
July 2026	2602.0.332820.0	Hotfix release
April 2026	2602.0.0.0	Major release
March 2026	2601.1.0.0	Stability release
January 2026	2601.0.0.0	Initial release



2602.0.332820.0

Release Note • 7/22/2026 • 1 min read

Resolved issues

The following issues have been resolved in this release.

ID	Description
381757	The system does not retain production order links and supply chain component links after you run the Calculate Lines action to refresh a linked production order.
382019	An error occurs and the page cannot be saved when you open a Sales Order or Purchase Order page showing the production order supply chain FactBox, a linked production order created from a production scenario has no routing, and changing the production scenario on a linked order creates a duplicate production order.



2602.0.0.0

Release Note • 4/22/2026 • 2 min read

Features

With the features added in this release of the Aptean Production Order Linkage extension, you can:

- Automatically create production order links when running sales order planning, establishing traceability between sales demand and production supply so that changes in sales orders can be tracked through to their associated production orders. For more information, see [Manage production order links](#).
- Link a single sales order line to multiple production orders, supporting scenarios where demand from one sales line is fulfilled by several production runs, with full visibility of all linked production orders from the sales order line. For more information, see [View production order link tree](#).
- Create a linked purchase order line directly from a production order component, enabling contract manufacturing workflows where raw materials or sub-assemblies are procured specifically for a production order, with automatic linkage maintained between the purchase and production records. For more information, see [Create production order links manually](#).
- View linked purchase order information directly from production order components and linked production order information from purchase order lines, providing end-to-end visibility across the contract manufacturing supply chain. For more information, see [View contract demand on purchase orders](#).

UI/UX changes

The following UI/UX changes have been made in this release.

- The **Link to Production Component** action has been added to the **Purchase Order** page.
- The **Production Links** FactBox has been added to the **Sales Order** and **Production Order** pages.
- The **Contract Demand** FactBox has been added to the **Purchase Order** page.
- The **View Full Chain** action has been added to the **Purchase Order** page.



2601.1.0.0

Release Note • 3/4/2026 • 1 min read

Resolved issues

The following issue has been resolved in this release.

ID	Description
361167	An error occurs on the Production Journal page when attempting to post consumption entries after deleting output entries.



2601.0.0.0

Release Note • 1/28/2026 • 3 min read

Features

With the features added in this release of the Aptean Production Order Linkage extension,

- You can create manual production order links to connect upstream production order outputs to downstream component demands, establishing explicit relationships with configurable allocated quantities and ratios across one-to-many and many-to-one scenarios. For more information, see [Create production order links manually](#).
- You can accept automated link suggestions generated by the system for make-to-order production orders, reducing manual tracking effort through FIFO-based matching within configurable date windows with automatic suggestion regeneration. For more information, see [Accept production order link suggestions](#).
- Production order links are automatically updated when the Aptean [Process Manufacturing](#) extension batching split functionality creates multiple order lines or new orders per batch, ensuring linkage relationships are maintained across batch divisions. For more information, see [Manage production order links](#).
- The MRP/MPS planning suggestions in the planning worksheet recognize existing production order links, adjust linked dates/quantities instead of creating new supply, and prevent multi-level cascades beyond single-hop policy.
- You can link multiple upstream production orders to a single downstream production order with proper aggregation of upstream outputs to downstream required quantities, supporting complex multi-source manufacturing scenarios. For more information, see [Create production order links manually](#).
- Production order links are properly inherited and preserved when production orders are converted between statuses, maintaining linkage relationships throughout the production lifecycle. For more information, see [Manage production order links](#).
- You can review and approve quantity propagation changes through preview dialogs before applying proportional distribution across linked production orders, ensuring upstream output changes distribute correctly to downstream required quantities based on allocated ratios. For more information, see [Review quantity propagation preview](#).
- You can configure proportional reverse quantity propagation to automatically adjust upstream production order outputs when downstream component requirements change, maintaining synchronization across multi-level production flows with allocation ratio-based distribution. For more information, see [Review quantity propagation preview](#).
- You can review and approve date propagation changes through preview dialogs showing proposed schedule adjustments across linked production orders, with routing offset calculations and lock status validation to prevent movement of scheduler-locked orders. For more information, see [Review date propagation preview](#).



- You can experiment with production order date/time changes in draft mode without propagating changes to Business Central until the Publish action is performed, enabling safe schedule exploration without affecting production plans. For more information, see [Review date propagation preview](#).
- The system automatically rechecks component material availability for impacted downstream orders when upstream production orders are rescheduled, highlighting availability conflicts to prevent scheduling issues. For more information, see [Review date propagation preview](#).
- You can post upstream batch output and allocate to linked downstream orders with lot assignment from upstream output to downstream component lines, creating optional reservations per setup configuration.
- You can configure flexible link deletion policies to control system behavior when deleting production orders or components with active links, choosing between automatic deletion, user prompts, or preventing deletion to maintain data integrity. For more information, see [Set up production order linkage](#).
- You can visualize production order link trees displaying hierarchical upstream and downstream relationships with allocation ratios, lock statuses, and conflict indicators, enabling rapid identification of scheduling constraints and capacity issues in complex multi-level production flows. For more information, see [View production order link tree](#).

Integrations

The Aptean Production Order Linkage extension has been integrated with the following extensions:

- Aptean [Production Scheduling](#)
- Aptean [Process Manufacturing](#)
- Aptean [Quality Control \(BC\)](#)

For more information, see [Integrations](#).



Introduction

Article • 2/2/2026 • 1 min read

The Aptean Production Order Linkage (POL) extension provides advanced upstream/downstream production order linking, controlled allocation management, and automated quantity and date propagation within Business Central. It automatically adjusts production order component quantities in real time based on allocated ratios, helping life sciences manufacturers maintain clear visibility into multi-level production flows, optimize material allocation, and ensure scheduling consistency across dependent production orders.

The key benefits of this extension are:

- Maintains clear upstream/downstream traceability for multi-level production flows.
- Reduces manual tracking effort through automated allocation and propagation.
- Prevents planning inconsistencies when quantities or dates change.
- Enables faster link creation through automatic suggestion acceptance.
- Preserves scheduler decisions by respecting production order lock statuses.
- Provides complete audit trails for lot allocation and material traceability.
- Supports governance through configurable deletion and posting policies.
- Optimizes material allocation across competing downstream demands.

This extension is designed for life sciences manufacturers and addresses the specific challenges of multi-level production flows, make-to-order scenarios, and maintaining planning consistency across dependent production orders.



Setup

Article • 2/2/2026 • 1 min read

The following topics explain the required setup.

- [Manage permission sets](#)
- [Set up production order linkage](#)



Manage permission sets

Article • 2/2/2026 • 3 min read

Permission sets in Business Central define a user's access level to various features and data within this extension.

We provide the following system permission sets:

- Direct
- Indirect

Direct permission sets

Users with this permission set can perform specific actions directly without requiring additional approvals or workflows. These sets include permissions to read, modify, delete, and create data.

The direct permission set ID for this extension is *PRDORDLNK207FDW*.

Indirect permission sets

Users with this permission set can perform specific actions. This is used in conjunction with other permission sets to allow you to perform certain actions. These permissions typically involve additional conditions or approvals before the action can be completed.

The indirect permission set ID for this extension is *PRDORDLNKBASIC207FDW*.

User-defined permission sets

In addition to the system permission sets we provide, you can create new permission sets or copy system permission sets and modify or delete access to specific entities according to your requirements. For more information, see [Assign permissions to users and groups](#).

Assign a permission set

1. Select the Search icon , enter **Users**, and then choose the related link.
The **Users** list page opens.
2. Navigate to the username for which you want to assign the permission set and select it.
The **User Card** page opens.
3. On the **User Permission Sets** FastTab, in the **Permission Set** field, enter the valid permission set for this extension.



Production Order Linkage

The associated fields are automatically updated based on the entered value. The user has the necessary permissions to use the features of the Aptean Production Order Linkage extension, ensuring secure and role-based access.



Set up production order linkage

Article • 2/2/2026 • 3 min read

To configure the **Production Order Linking Setup** page, follow these steps:

1. Select the Search icon , enter **Production Order Linking Setup**, and then choose the related link.
The **Production Order Linking Setup** page opens. If you open the setup page for the first time, the system automatically creates a new setup record
2. On the **General** FastTab, in the **Link Deletion Policy** field, select the policy that matches your governance requirements. The available options are:
 - *Prevent*: Blocks deletion of production orders or components with active links. Use *Prevent* to maintain data integrity.
 - *Prompt*: Asks user to confirm before deleting linked orders.
 - *Auto-delete*: Automatically removes links when production orders are deleted.
3. In the **Output Posting Behavior** field, select the behavior when upstream output is posted with a lot number. The available options are:
 - *None*: No automatic allocation or reservation. Use *None* if you prefer manual allocation control.
 - *Allocate Only*: Allocate lot to downstream components automatically.
 - *Allocate and Reserve*: Allocate a lot and create specific reservations.
4. Navigate to the **Linking Suggestions** FastTab.
5. In the **Link Suggestions Date Window** field, enter the time window for generating suggestions. The system generates link suggestions for make-to-order production orders when upstream and downstream orders fall within this date window. For example, if you enter *3D*, the system suggests links when upstream finish dates are within 3 days before or after downstream start dates. Recommended value is *2D* to *5D* depending on your production lead times.
6. On the **Propagation** FastTab, turn on the **Enable Reverse Propagation** toggle to enable automatic reverse quantity propagation/bidirectional propagation. When selected, downstream component quantity changes can propagate back to upstream production order outputs. When cleared, only forward propagation (upstream to downstream) is allowed. You can select
7. In the **Upstream Propagation Type** field, select the propagation type for upstream orders. The available options are:
 - *Automatic*: Quantity changes propagate immediately without confirmation.
 - *Manual*: Upstream quantity changes require manual confirmation.
8. Turn on the **Enable Automatic Date Propagation** toggle to enable automatic date/time propagation. When selected, upstream finish date/time changes propagate to downstream start date/time using routing offsets.



Production Order Linkage

Locked downstream orders block date moves with clear error messages.

The setup is automatically saved when you close the page.



Manage production order links

Article • 4/22/2026 • 6 min read

Production order links connect upstream production order output to downstream production order component demand, creating clear visibility into multi-level production flows.

A production order link is a relationship between:

- **Upstream Prod. Order Line:** The order/line that produces an item.
- **Downstream Prod. Order Component:** The order/line that consumes that item as a component.

Each link tracks:

- Allocated quantity (Base).
- Allocated ratio % (used for proportional propagation).
- Posting and allocation tracking (for example, posted allocated quantity).

Link lifecycle

Links can be created through:

- **Manual Creation:** Select upstream and downstream orders explicitly.
- **Auto-suggestions:** System generates suggestions based on configuration (MTO policy, date window, item settings).

Links are maintained when:

- Production orders change status (Simulated > Planned > Firm Planned > Released).
- Batch split operations create new order lines.

Links are removed when:

- Deleted manually.
- Production orders are deleted (behavior controlled by link deletion policy in setup).

Allocation and propagation

The **Allocation Quantity** field tracks how much upstream output is allocated to each downstream component. You can allocate upstream output across multiple downstream orders using different allocation strategies.



The **Allocated Ratio** field determines the proportional distribution when upstream quantities change. If upstream output quantity increases by 10%, each linked downstream component's required quantity increases by 10% according to its allocated ratio.

For quantity propagation, when the **Upstream Propagation Type** field value is configured on the **Production Order Linking Setup** page, quantity changes can propagate as follows:

- Forward propagation: Changes to upstream output quantities propagate to downstream orders.
- Reverse propagation: When the **Enable Reverse Propagation** toggle is turned on, quantity changes made in downstream orders can propagate back to upstream orders.
- Multiple downstream orders: If an upstream change affects multiple downstream orders, the system displays a preview dialog showing the previous and updated quantities before applying the changes.

For date propagation, when the **Enable Automatic Date Propagation** toggle on the **Production Order Linking Setup** page is turned on, date and time changes propagate as follows:

- The upstream finish date and time drive the downstream start date and time.
- The system calculates dates using Business Central routing offsets, including wait time and safety lead time.
- If a downstream order is locked, the system prevents the date update and displays a clear error message explaining why the change cannot be applied.

Link visibility

You can access the **Production Order Links** list page to view all production order links in the system, filter by upstream/downstream order numbers, see allocation quantities and ratios, and review tracking information and posted allocations.

In production order link tree, you can view hierarchical relationships from any production order to see upstream suppliers and downstream consumers, identify allocation ratios and lock statuses, and detect conflicts and scheduling issues.

On the **Order Links** FactBox, you can view the number of upstream links (as consumer), number of downstream links (as supplier), and quick access to related links.

Manage production order links with MTO Linkage

When MTO Linkage Mode is enabled, the system automatically creates production link records between sales order lines and the resulting production orders during sales order planning. These links establish explicit traceability between sales demand and production supply, visible from both the sales order and the production order.

To manage production order links, follow these steps:



1. Select the Search icon , enter **Manufacturing Setup**, and then choose the related link.
The **Manufacturing Setup** page opens.
2. Enable the **MTO Linkage Mode** toggle.

Note

MTO Linkage Mode is disabled by default. When enabled, running sales order planning creates production link records automatically.

3. Select the Search icon , enter **Sales Orders**, and then choose the related link.
The **Sales Orders** list page opens.
4. Select the sales order to plan.
5. Run the planning routine (Regenerative Plan, Net Change Plan, or Create Production Order from Sales Order).
The system creates production link records for each production order generated from the sales order lines.
6. Review the **Production Links** FactBox on the sales order page to view all linked production orders with drilldown access.
7. Select a linked production order number to navigate to the **Production Order** page.



Create production order links manually

Article • 2/2/2026 • 4 min read

To create a link from the upstream production order, follow these steps:

1. Select the Search icon , enter **Production Orders**, and then choose the related link.
The **Production Orders** page opens.
2. Open the production order which supplies the output (upstream).
3. On the **Lines** FastTab, select the production order line that produces the item to be linked.
4. On the action bar, select **Order Link Tracking Lines**.
The **Order Link Tracking Lines** page opens.
5. On the action bar, select **New** to create an upstream link where this order supplies downstream orders.
6. In the **Linked Production Order No.** field, select the downstream production order number.
7. In the **Linked Line No.** field, select the downstream production order line number.
8. In the **Linked Component Line No.** field, select the specific component line that will consume the upstream output.
9. In the **Allocated Quantity (Base)** field, enter the quantity to allocate from this upstream line to the downstream component. You can view the calculated allocated ratio %.
10. Close the **Order Link Tracking Lines** page to save the link.

Create production order links manually with purchase orders

You can create explicit link records between purchase order lines and production order components for contract manufacturing workflows. This protects materials from accidental reallocation and enables full procurement-to-production traceability.

To create a linked purchase order line for a production component, follow these steps:

1. Select the Search icon , enter **Purchase Orders**, and then choose the related link.
The **Purchase Orders** list page opens.
2. Select the purchase order with the line to link.
3. Select the purchase order line to link to a production component.
4. Select **Link to Production Component**.
The component selection page opens, displaying only components from linked production orders.
5. Select the target production component.



Production Order Linkage

The system validates that the purchase order line item matches the component item, the quantity does not exceed the component requirement, and the component is not already fully linked.

6. Confirm the link creation.

The purchase order line is flagged as "Contract-Linked" with a visual indicator, and a confirmation message is displayed.

Note

The link record includes the purchase order reference, production order reference, component line reference, linked quantity, and link status.



Accept production order link suggestions

Article • 2/2/2026 • 2 min read

The system automatically generates link suggestions for make-to-order production orders within the configured **Link Suggestions Date Window** field value.

Link suggestions

Link suggestions are automatically generated when:

- A production order is created or released.
- The production order has the **Manufacturing Policy** field value as *Make-to-Order*.
- The item has the **Auto Link Suggestion** toggle turned on.
- Potential upstream/downstream orders exist within the link suggestions date window.

The system generates FIFO-based suggestions, prioritizing the oldest upstream supply to satisfy downstream demand first.

To accept link suggestions, follow these steps:

1. Select the Search icon  , enter **Link Suggestions**, and then choose the related link.
The **Link Suggestions** page opens.
2. Enter the required information in the following fields:

Field	Description
Entry No.	Specifies the unique identifier for the link suggestion.
Upstream Production Order No.	Specifies the suggested upstream production order.
Upstream Line No.	Specifies the suggested upstream production order line.
Upstream Item No.	Specifies the item produced by the suggested upstream order.
Downstream Production Order No.	Specifies the suggested downstream production order.
Downstream Line No.	Specifies the suggested downstream production order line.
Downstream Component Line No.	Specifies the suggested downstream component line.
Downstream Item No.	Specifies the item consumed by the suggested downstream order.
Suggested Allocated Quantity	Specifies the suggested quantity to allocate.



Production Order Linkage

Suggested Allocated Ratio %	Specifies the suggested allocation ratio percentage.
Suggestion Date-Time	Specifies when the suggestion was generated.

- 3. Select the suggestion(s) you want to accept.
- 4. On the action bar, select **Accept Suggestion**. A confirmation message appears. The accepted suggestions are removed from the **Link Suggestions** page and new links appear on the **Production Order Links** page.



Review quantity propagation preview

Article • 2/2/2026 • 2 min read

When the **Upstream Propagation Type** field value is set to *Automatic* or *Manual* on the **Production Order Linking Setup** page, quantity changes in linked production orders can propagate. The system displays a preview dialog before applying changes.

Quantity propagation

Quantity propagation synchronizes upstream output with downstream required quantities:

- Forward propagation: Upstream output quantity changes adjust downstream required quantities according to allocation ratios.
- Reverse propagation: Downstream required quantity changes adjust upstream output quantities according to allocation ratios.
- Multi-downstream distribution: When one upstream supplies multiple downstream orders, changes distribute proportionally using allocated ratio %.
- Multi-upstream aggregation: When multiple upstream orders supply one downstream, the downstream aggregates the total from all upstream outputs.

To review the propagation preview, follow these steps:

When you change a quantity on a linked production order, the system displays the related information on the **Quantity Propagation Preview** page automatically.

You can view/enter the required information in the following fields:

Field	Description
Production Order No.	Specifies the production order affected by quantity propagation.
Line No.	Specifies the production order line number.
Line Type	Specifies whether this is an output line or component line.
Item No.	Specifies the item number.
Description	Specifies the item description.
Current Quantity	Specifies the current quantity before propagation.
New Quantity	Specifies the proposed new quantity after propagation.



Production Order Linkage

Change Quantity	Specifies the quantity change (delta).
Allocated Ratio %	Specifies the allocation ratio used for calculation.
UOM Code	Specifies the unit of measure code.

On the action bar, you can select **Accept** to apply the changes or **Cancel** to revert.



Review date propagation preview

Article • 2/2/2026 • 2 min read

When the **Enable Automatic Date Propagation** toggle on the **Production Order Linking Setup** page is turned on, date/time changes in linked production orders propagate automatically. The system displays a preview dialog before applying changes.

Date propagation

Date propagation synchronizes schedules between upstream and downstream production orders:

- Forward propagation: Upstream finish date/time drives downstream start date/time.
- Reverse propagation: Downstream start date/time adjusts upstream finish date/time.
- Routing offsets: The system uses BC routing offsets (Wait Time, Safety Lead Time) to calculate dependent dates.
- Lock handling: Locked downstream orders block date moves with clear error messages and resolution options.

When you change a date/time on a linked production order, the system displays the **Date Propagation Preview** page automatically.

You can view/enter the required information in the following fields:

Field	Description
Production Order No.	Specifies the production order affected by date propagation.
Line No.	Specifies the production order line number.
Item No.	Specifies the item number.
Description	Specifies the item description.
Current Starting Date-Time	Specifies the current starting date and time.
New Starting Date-Time	Specifies the proposed new starting date and time.
Current Ending Date-Time	Specifies the current ending date and time.
New Ending Date-Time	Specifies the proposed new ending date and time.
Date Change (Days)	Specifies the number of days the schedule will shift.
Routing Offset Applied	Specifies the routing offset used for calculation (Wait Time, Safety Lead Time).
Lock Status	Specifies the lock status (Unlocked, Locked, Partially Locked).



Conflict	Specifies any conflicts preventing date propagation.
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On the action bar, you can select **Accept** to apply the changes or **Cancel** to revert.



View production order link tree

Article • 4/22/2026 • 4 min read

The production order link tree provides a hierarchical visualization of upstream and downstream production order relationships.

Link tree

The link tree displays:

- Upstream suppliers: Production orders that supply output to the current order.
- Downstream consumers: Production orders that consume output from the current order.
- Allocation ratios: Percentage distribution across linked orders.
- Lock statuses: Whether orders can be rescheduled.
- Conflict indicators: Scheduling or capacity conflicts.

To view the link tree, follow these steps:

1. Select the Search icon , enter **Production Orders**, and then choose the related link.
The **Production Orders** page opens.
2. Open the production order you want to analyze.
3. On the action bar, select **Production Order Link Tree**.

You can view/enter the required information in the following fields:

Field	Description
Production Order No.	Specifies the production order number in the tree.
Line No.	Specifies the production order line number.
Item No.	Specifies the item number.
Description	Specifies the item description.
Quantity (Base)	Specifies the production order quantity in base unit of measure.
Allocated Quantity (Base)	Specifies the allocated quantity for this link.
Allocated Ratio %	Specifies the allocation ratio percentage.
Lock Status	Specifies whether the order is locked by the scheduler (<i>Unlocked, Locked, Partially Locked</i>).



Level	Specifies the hierarchy level (0 = Current order, Negative = Upstream, Positive = Downstream).
Conflict	Specifies any scheduling or quantity conflicts detected.

You can view the hierarchical structure showing upstream suppliers above the root and downstream consumers below.

- 4. Use filters to narrow the view by item number, location code, or lock status.
- 5. On the action bar, select **Expand All** or **Collapse All** to control branch visibility.

View production order link tree on sales orders

A single sales order line can be linked to multiple production orders, supporting scenarios where demand is split across several production runs. The **Production Links** FactBox provides full visibility of all linked production orders, including quantities and statuses.

To view the production order link tree, follow these steps:

1. Select the Search icon , enter **Sales Orders**, and then choose the related link.
The **Sales Orders** list page opens.
2. Select the sales order line with linked production orders.
3. Review the **Production Links** FactBox, which displays the count of linked production orders, total linked quantity vs. sales order quantity, and breakdown by production order status.
4. Select the drilldown on the FactBox to view all linked production orders in tabular form.
5. Select a production order to navigate to its detail page.

 Note

Each production order can link to at most one sales order line. Each sales order line can link to unlimited production orders. When a production order is split, the new split order automatically inherits the link to the same sales order line.



View allocation history

Article • 2/2/2026 • 2 min read

The production order links allocation history provides a complete audit trail of how upstream batch output has been allocated to downstream production order components.

Allocation history

Allocation history tracks:

- Lot allocations: Identifies which upstream batch lots are assigned to specific downstream components.
- Posting events: Records when upstream output was posted and allocated.
- Quantity tracking: Shows the quantity from each lot allocated to each downstream order.
- User actions: Captures who performed the allocation and the date and time of the action.
- Reservation creation: Indicates whether inventory reservations were created as part of the allocation.

To view the allocation history, follow these steps:

1. Select the Search icon , enter **Production Order Links Allocation History**, and then choose the related link.
The **Production Order Links Allocation History** page opens.
2. You can view/enter the required information in the following fields:

Field	Description
Entry No.	Specifies the unique identifier for the allocation event.
Allocation Date-Time	Specifies when the allocation occurred.
Upstream Production Order No.	Specifies the upstream production order number.
Upstream Production Order Line No.	Specifies the upstream production order line number.
Upstream Item No.	Specifies the upstream item number.
Upstream Lot No.	Specifies the lot number allocated from upstream.
Upstream Posted Quantity (Base)	Specifies the total posted quantity for the upstream lot.
Downstream Production Order No.	Specifies the downstream production order number.
Downstream Production Order Line No.	Specifies the downstream production order line number.



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Downstream Item No.	Specifies the downstream item number.
Allocated Quantity (Base)	Specifies the quantity allocated to the downstream.
Allocated Ratio %	Specifies the allocation ratio percentage.
Reservation Created	Specifies whether a reservation was created.
Reservation Entry No.	Specifies the reservation entry number if a reservation is created.
Allocated By User	Specifies the user who performed the allocation.

3. Use filters to find specific events by upstream lot number, production order number, item number, or date range.



View date propagation log

Article • 2/2/2026 • 2 min read

The date propagation log provides a complete history of all date propagation events between linked production orders.

The date propagation log records:

- Propagation events: Records when date and time changes were propagated between orders.
- Success or failure status: Indicates whether the propagation was applied or blocked.
- Order details: Identifies the upstream and downstream orders affected by the propagation.
- Date changes: Displays the original and updated start and finish dates.
- Routing offsets applied: Specifies the offsets used, such as wait time and safety lead time.
- Error tracking: Explains why propagation failed when blocked by locks or other constraints.

To view the date propagation log, follow these steps:

1. Select the Search icon , enter **Date Propagation Log**, and then choose the related link.
The **Date Propagation Log** page opens.
2. You can view/enter the required information in the following fields:

Field	Description
Entry No.	Specifies the unique identifier for the log entry.
Propagation DateTime	Specifies when the date propagation occurred.
Propagation Status	Specifies whether the propagation was successful or blocked.
Upstream Order No.	Specifies the upstream production order number.
Upstream Line No.	Specifies the upstream production order line number.
Old Upstream Finish Date	Specifies the original upstream finish date before propagation.
New Upstream Finish Date	Specifies the new upstream finish date after propagation.
Downstream Order No.	Specifies the downstream production order number.
Downstream Line No.	Specifies the downstream production order line number.
Old Downstream Start Date	Specifies the original downstream start date before propagation.
New Downstream Start Date	Specifies the new downstream start date after propagation.



Production Order Linkage

Wait Time Applied	Specifies the wait time routing offset applied for calculation.
Safety Lead Time Applied	Specifies the safety lead time routing offset applied for calculation.
Error Message	Specifies any error message if propagation failed.
User ID	Specifies the user who triggered the propagation.

3. Use filters to find specific events by production order number, propagation status, date range, or user.



Delete production order links

Article • 2/2/2026 • 2 min read

You can delete production order links to remove upstream/downstream relationships while maintaining allocation history for audit purposes.

To delete a production order link, follow these steps:

1. Select the Search icon , enter **Production Order Links**, and then choose the related link.
The **Production Order Links** page opens.
2. Select the link you want to delete.
3. On the action bar, select **Delete**. The system validates the link and prompts for confirmation based on the link deletion policy configured in setup.
4. Confirm the deletion if prompted.

The link is removed from the **Production Order Links** page, but allocation history records are preserved on the **Production Order Links Allocation History** page.



View contract demand on purchase orders

Article • 4/22/2026 • 2 min read

The **Contract Demand** FactBox on purchase order pages displays the full contract chain from purchase order through production to sales order. You can navigate to any linked record directly from the FactBox.

To view contract demand on purchase orders, follow these steps:

1. Select the Search icon , enter **Purchase Orders**, and then choose the related link.
The **Purchase Orders** list page opens.
2. Select the purchase order to review.
3. Review the **Contract Demand** FactBox, which displays the linked production order number, component details, required vs. linked quantity, production need date, sales order number, customer name, and status indicators.

Note

If the purchase order line is not linked, the FactBox displays "No contract linkage."

4. Select the **Production Order No.** to navigate to the production order, or select the **Sales Order No.** to navigate to the sales order.
5. Select **View Full Chain** to open the full hierarchy view showing the complete Sales Order Line → Production Order(s) → Components → Purchase Order Lines chain with quantities, statuses, and key dates at each level.



Integrations

Article • 2/2/2026 • 1 min read

The Aptean Production Order Linkage extension has been integrated with the following extensions:

- [Aptean Production Scheduling](#).
- [Aptean Process Manufacturing](#).
- [Aptean Quality Control \(BC\)](#).



Aptean Production Scheduling

Article • 2/2/2026 • 1 min read

The Aptean Production Order Linkage extension is used in conjunction with the Aptean [Production Scheduling](#) extension to respect scheduler lock statuses during date propagation. When downstream production orders are locked by the scheduler, date propagation is blocked with clear error messages, preserving scheduler decisions and preventing unintended schedule changes.



Aptean Process Manufacturing

Article • 2/2/2026 • 1 min read

The Aptean Production Order Linkage extension is used in conjunction with with the Aptean [Process Manufacturing](#) extension to support batch split operations. When upstream batches are split using process manufacturing functionality, the system automatically updates production order links to reference the new batch orders, maintaining allocation relationships and ensuring downstream links remain accurate after batch division.



Aptean Quality Control (BC)

Article • 2/2/2026 • 1 min read

The Aptean Production Order Linkage extension is used in conjunction with the Aptean [Quality Control](#) extension to enable lot-level traceability from upstream batches to downstream finished goods. The allocation history tracks which upstream lot numbers were allocated to which downstream production orders, supporting rapid quality investigation and product recall processes when quality issues arise in upstream batches.

