

# User Manual

# Aptean Food and

# Beverage ERP

## Shop Floor Production (BC)

Product Documentation



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# Release notes

Article • 12/24/2025 • 2 min read

To view what's new or changed in each release of the Aptean Shop Floor Production (BC) extension, select the specific release version.

Date	Release version	Description
December 2025	<a href="#">2512.4.0.0</a>	Stability release
December 2025	<a href="#">2512.3.0.0</a>	Platform release
November 2025	<a href="#">2512.2.0.0</a>	Stability release
October 2025	<a href="#">2512.1.0.0</a>	Stability release
October 2025	<a href="#">2512.0.0.0</a>	Feature release
October 2025	<a href="#">2511.0.0.0</a>	Feature release
October 2025	<a href="#">2510.1.0.0</a>	Stability release
September 2025	<a href="#">2510.0.0.0</a>	Feature release
August 2025	<a href="#">2509.2.0.0</a>	Stability release
August 2025	<a href="#">2509.1.0.0</a>	Stability release
July 2025	<a href="#">2509.0.0.0</a>	Feature release
July 2025	<a href="#">2508.0.0.0</a>	Feature release
July 2025	<a href="#">2507.2.0.0</a>	Stability release
July 2025	<a href="#">2507.1.0.0</a>	Stability release
July 2025	<a href="#">2507.0.0.0</a>	Feature release
July 2025	<a href="#">2506.6.0.0</a>	Platform release
July 2025	<a href="#">2506.5.0.0</a>	Platform release
June 2025	<a href="#">2506.4.0.0</a>	Stability release
May 2025	<a href="#">2506.3.0.0</a>	Stability release
May 2025	<a href="#">2506.2.0.0</a>	Stability release



May 2025	<a href="#"><u>2506.1.0.0</u></a>	Stability release
April 2025	<a href="#"><u>2506.0.0.0</u></a>	Feature release
April 2025	<a href="#"><u>2505.2.0.0</u></a>	Stability release
April 2025	<a href="#"><u>2505.1.0.0</u></a>	Stability release
April 2025	<a href="#"><u>2505.0.0.0</u></a>	Feature release
April 2025	<a href="#"><u>2504.3.0.0</u></a>	Stability release
March 2025	<a href="#"><u>2504.2.0.0</u></a>	Stability release
March 2025	<a href="#"><u>2504.1.0.0</u></a>	Stability release
March 2025	<a href="#"><u>2504.0.0.0</u></a>	Feature release
March 2025	<a href="#"><u>2503.5.0.0</u></a>	Stability release
March 2025	<a href="#"><u>2503.4.0.0</u></a>	Stability release
March 2025	<a href="#"><u>2503.3.0.0</u></a>	Platform release
February 2025	<a href="#"><u>2503.2.0.0</u></a>	Stability release
February 2025	<a href="#"><u>2503.1.0.0</u></a>	Stability release
February 2025	<a href="#"><u>2503.0.0.0</u></a>	Feature release
February 2025	<a href="#"><u>2502.4.0.0</u></a>	Stability release
February 2025	<a href="#"><u>2502.3.0.0</u></a>	Stability release
January 2025	<a href="#"><u>2502.2.0.0</u></a>	Stability release
January 2025	<a href="#"><u>2502.1.0.0</u></a>	Stability release
January 2025	<a href="#"><u>2502.0.0.0</u></a>	Feature release
January 2025	<a href="#"><u>2501.0.0.0</u></a>	Feature release
December 2024	<a href="#"><u>2408.0.0.0</u></a>	Feature release
December 2024	<a href="#"><u>2407.1.0.0</u></a>	Stability release
November 2024	<a href="#"><u>2407.0.0.0</u></a>	Feature release
November 2024	<a href="#"><u>2406.2.0.0</u></a>	Stability release



November 2024	<a href="#"><u>2406.1.0.0</u></a>	Stability release
November 2024	<a href="#"><u>2406.0.0.0</u></a>	Feature release
November 2024	<a href="#"><u>2405.0.0.0</u></a>	Feature release
October 2024	<a href="#"><u>2404.10.0.0</u></a>	Stability release
October 2024	<a href="#"><u>2404.9.0.0</u></a>	Stability release
October 2024	<a href="#"><u>2404.8.0.0</u></a>	Stability release
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October 2024	<a href="#"><u>2404.6.0.0</u></a>	Stability release
September 2024	<a href="#"><u>2404.5.0.0</u></a>	Stability release
September 2024	<a href="#"><u>2404.4.0.0</u></a>	Stability release
September 2024	<a href="#"><u>2404.3.0.0</u></a>	Stability release



# 2512.4.0.0

Release Note • 12/24/2025 • 1 min read

## Resolved issues

The following issue has been resolved in this release.

ID	Description
345713	The system fails to generate a finished production order quality control check when selecting the <b>Finish</b> button on the <b>Production Order Start</b> page in shop floor production.



# 2512.3.0.0

Release Note • 12/4/2025 • 1 min read

## Enhancements/Modifications

With this release of the Aptean Shop Floor Production (BC) extension, the *OnBeforeInitProductionRegistration* integration event has been added to the *SFPBCProductionReg14FDW* codeunit to allow custom logic to run before production registration is initialized.



# 2512.2.0.0

Release Note • 11/26/2025 • 2 min read

## Enhancements/Modifications

With this release of the Aptean Shop Floor Production (BC) extension,

- You can open work instructions directly from the **Instructions** page by right-clicking any work instruction document and selecting the **Open in new tab** button to view it in a separate browser tab for easier reference.
- The translation file for the Swedish (sv-SE) language has been updated with standard texts for better readability.

## UI/UX changes

The **Open in new tab** button has been added to the **Instructions** page.

## Resolved issues

The following issues have been resolved in this release.

ID	Description
331675	The system incorrectly increments the lot number while posting the output on the shop floor production. This issue occurs when the <b>Output Lot Preview</b> field value is set to <i>Increment No. Series</i> on the <b>Shop Floor Production Setup</b> page.
319983	The system displays incorrect item details on the <b>Production Orders</b> list, <b>Input</b> , and <b>Output</b> pages when a make-to-order item is used on a family production order.
336194	The system fails to display compliance documents when the <b>Utilize Graph API for SharePoint connection</b> toggle on the <b>Shop Floor Production Setup</b> page is turned on.
326567	The system incorrectly auto-fills the expiration date while registering the output, even when the <b>Require Expiration Date Entry</b> toggle on the <b>Item Tracking Code</b> page is turned on.
331339	The system fails to set the default value in the <b>Quality Control Extension</b> field on the <b>Shop Floor Production Setup</b> page.
290353	The system fails to display whether an input component belongs to the entire production family or to a specific production order line when the <b>Register Input</b> page opens.



336096

The system incorrectly calculates the **Quantity** and **Direct Cost** field values on the **Capacity Ledger Entries** page when a production routing uses two linked work centers that have different units of measure with the **Labor** toggle turned on for one work center and turned off for another work center.



# 2512.1.0.0

Release Note • 10/22/2025 • 1 min read

## Enhancements/Modifications

This extension has been updated to ensure interoperability with the recent changes in the Aptean Shop Floor Production extension. To know more, see [What's new in Shop Floor Production, version 2512.1.0.0](#).



# 2512.0.0.0

Release Note • 10/22/2025 • 2 min read

## Features

With the features added in this release of the Aptean Shop Floor Production (BC) extension, you can:

- Use work centers and machine centers configured with unit of measure types in hours, minutes, or seconds. The system validates the capacity unit of measurement type when you enable shop floor production for a work center, ensuring only supported time units are used. For more information, see [Set up users per work center](#).
- View total production time in hours and seconds in addition to minutes. This enhancement provides better flexibility for production efficiency analysis across different time measurement units. For more information, see [View the status of a released production order](#).
- View and track production time duration in seconds for all shop floor time entries. This enhancement ensures consistency in time tracking across different units of measure. For more information, see [Shop floor production registration entries](#).
- View and track production time duration in seconds for Business Central time entries. For more information, see [Shop floor production registration entries](#).
- Post shop floor production time entries and BC time entries using multiple units of measure types. For more information, see [Set up shop floor production](Shop Floor Production Setup.md).

## Enhancements/Modifications

This extension has been updated to ensure interoperability with the recent changes in the Aptean Shop Floor Production extension. For more information, see [What's new in Shop Floor Production, version 2512.0.0.0](#).

## UI/UX changes

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

- The following fields have been added to the **Shop Floor Production Status** page.
  - Total Production Time in Hours
  - Total Production Time in Seconds
- The following fields have been added to the **Shop Floor Production Time Entries** page.
  - Duration in Seconds



- Labor Duration in Seconds
- The following fields have been added to the **BC Time Entries** page.
  - Duration in Seconds
  - Labor Duration in Seconds

## Resolved issues

The following issue has been resolved in this release.

ID	Description
315175	The system incorrectly calculates and updates the <b>Direct Cost</b> field value on the <b>Capacity Ledger Entries</b> page.



# 2511.0.0.0

Release Note • 10/22/2025 • 2 min read

## Features

With the features added in this release of the Aptean Shop Floor Production (BC) extension,

- The following integration events have been added to the corresponding codeunits to allow the per-tenant extension (PTE) to extend the input and output registrations in shop floor production.
  - SFPBCGetFormElements14FDW
    - OnAddCustomFormElementsForConsumption
    - OnAddCustomFormElementsForOutput
  - SFPBCProductionReg14FDW
    - OnValidateCustomFormElementsForConsumption
    - OnValidateCustomFormElementsForOutput
    - OnAfterPostProductionRegistration

Additionally, the *TempCustomFormElements14FDW* table has been added to manage these custom fields and handle validation messages.

This enhancement enables the addition of custom form fields based on customer-specific requirements.

- The **Hide Image Previews in SFP** toggle setting on the **Shop Floor Production Setup** page has been enhanced to apply only to the **Production Orders** list page. When toggle is turned on, item images and their placeholders are completely hidden on the **Production Orders** list page to enhance performance, while images continue to display normally on all other pages.
- You can register the consumption of all inventory items associated with a license plate in one step. This functionality simplifies the process of handling pre-staged or pre-mixed components by eliminating the need to register each component line individually. To know more, see [Register consumption for a license plate](#). Additionally, you can define how license plate consumption is processed using the **License Plate Consumption Mode** field on the **Shop Floor Production Setup** page. To know more, see [Set up shop floor production](#).

## UI/UX changes

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

- The **License Plate Consumption Mode** field has been added to the **Posting** FastTab of the **Shop Floor Production Setup** page.
- The **+ LICENSE PLATE** button has been added to the **Input** page.



## Resolved issues

The following issues have been resolved in this release.

ID	Description
322292	The system incorrectly classifies components with the <i>Pick + Manual</i> flushing method as <i>Automatic</i> instead of grouping them with <i>Manual</i> components on the <b>Input</b> page.
299176	The system fails to update the <b>Bin Code</b> field value on the <b>Production Component Line</b> page based on the <b>To-Production Bin Code</b> field value on the associated work center even when the substitute does not have an open bin relation configured.



# 2510.1.0.0

Release Note • 10/22/2025 • 1 min read

## Resolved issues

The following issues have been resolved in this release.

ID	Description
323102	The system fails to create the warehouse documents when the <i>Warehouse Put-away</i> option is selected in the <b>Prod.Output Whse. Handling</b> field on the <b>Location Card</b> page. This issue occurs when registering output from the shop floor production.
331714	The system incorrectly updates the <b>Remaining Batches</b> field value on the <b>Register Output</b> page based on the production order line unit of measure instead of the base unit of measure.



# 2510.0.0.0

Release Note • 9/24/2025 • 2 min read

## Enhancements/Modifications

With this release of the Aptean Shop Floor Production (BC) extension,

- The following integration events have been added to the *SFPBCGetFormElements14FDW* codeunit. These events allow the per-tenant extension (PTE) to set default values for specific fields during output registration.
  - OnBeforeSetDefaultLotNo
  - OnBeforeSetDefaultExpirationDate
  - OnBeforeSetDefaultQuantity
  - OnBeforeSetDefaultScrapQuantity
  - OnBeforeSetDefaultPrintLabel
  - OnBeforeSetDefaultComment
- You can mark failure codes as active on the **Shop Floor Production Failure Code** page. Only codes marked as active appear in the **Failure Code** field on the **What Is The Cause Of The Failure?** dialog when you change the status of the production order to *Failure*. This ensures that only valid and active failure codes are selected. For more information, see [Track and record production failure](#).

## UI/UX changes

The **Active** checkbox has been added to the **Shop Floor Production Failure Code** page.

## Resolved issues

The following issues have been resolved in this release.

ID	Description
295946	The system fails to close the <b>Register Output</b> page when label printing errors occur after a successful posting. Although the posting is completed, the page remains open.
317444	The system incorrectly requires the <b>Bin Code</b> field value when correcting a non-lot consumption item on the <b>Correct Consumption</b> page. This issue occurs even when the <b>Consumption Correction Destination Bin</b> field value is set to <i>Original Bin</i> on the <b>Shop Floor Production Setup</b> page.



320972

The system incorrectly allows to modify the description of a failure code in the **Code** field on the **Shop Floor Production Failure Code** page, even when the failure code is already associated with existing entries.



# 2509.2.0.0

Release Note • 8/27/2025 • 2 min read

## Resolved issues

The following issues have been resolved in this release.

ID	Description
294263	The system fails to reset the <b>Lot No.</b> field value to blank on the <b>Register Output</b> page when the <b>Output</b> action is executed on the <b>Shop Floor Production</b> page after a partial production output. This issue occurs when the <b>Output Lot Preview</b> field value is set to <i>None</i> , the <b>Output Expiration Date Calc.</b> field value is set to <i>Posting Date</i> , and the <b>Lot No. Per</b> field value is set to <i>User Defined</i> on the <b>Shop Floor Production Setup</b> page.
314469	The system incorrectly retains the previously generated lot number in the <b>Overserve Lot No.</b> field value on the <b>Output</b> page. This issue occurs when the production order is stopped, closed, and reopened, and the <b>Lot Preview</b> field is set to <i>None</i> on the <b>Shop Floor Production Setup</b> page.
314625	The system incorrectly allows the correction of consumption or output on production orders even when the production order status is not set to <i>Production</i> .
309362	The system prevents users from overriding the default navigation behavior defined in the <b>Default Search Behavior Navigation</b> field on the <b>Shop Floor Production Setup</b> page.
311331	The system fails to register output for co-products when the co-product is the same item as the main item but uses a different unit of measure.
310397	The system fails to create a new quality check when the production order status is changed from <i>Failure</i> to <i>Start-Up</i> or <i>Production</i> .



# 2509.1.0.0

Release Note • 8/21/2025 • 2 min read

## Enhancements/Modifications

With this release of the Aptean Shop Floor Production (BC) extension, the performance of the **Production Orders** list page has been improved when working with large datasets in shop floor production. Instead of loading the entire list at once, the system only loads rows that are currently visible on the page. To know more, see [Set up shop floor production](#).

## UI/UX changes

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

- The **Performance** FastTab has been added to the **Shop Floor Production Setup** page.
- The **Enable Row Virtualization** toggle has been added to the **Performance** FastTab on the **Shop Floor Production Setup** page.
- The **Hide Image Previews in SFP** toggle has been removed from the **General** FastTab and added to the **Performance** FastTab on the **Shop Floor Production Setup** page.

## Resolved issues

The following issues have been resolved in this release.

ID	Description
311046	A performance issue occurs when refreshing production order lines during shop floor production. After a production order line is finished, the system takes longer to refresh the remaining lines, particularly when accessed from tablet or mobile devices.
319273	An error occurs when selecting the <b>Save</b> button on the <b>Register Input</b> page if the <b>Output Lot Preview</b> field value is set to <i>Peek No. Series</i> and the <b>Lot No. Per</b> field value is set to <i>Production Order</i> or <i>Output Journal</i> on the <b>Shop Floor Production Setup</b> page. This issue arises when the associated production BOM includes a lot-tracked component item with the <b>Lot Nos.</b> field value as blank on the associated <b>Item Card</b> page. Further, this error persists even after a lot number is assigned to the item.
307019	The system fails to update the <b>Shop Floor Status</b> field value to <i>Not Started</i> on the <b>General</b> FastTab and under the released production order lines on the <b>Released Production Order</b> page when opening the released production order via the Aptean Shop Floor Production app.



308104

When the language is set to Dutch, the system incorrectly translates the notifications on the Aptean Shop Floor Production (BC) extension.



# 2509.0.0.0

Release Note • 7/30/2025 • 1 min read

## Features

With the feature added in this release of the Aptean Shop Floor Production (BC) extension, you can select the date to post shop floor production time entries.

## UI/UX changes

The **Posting Date Method** and **Posting Date** fields have been added to the **Post Shop Floor Production Time Entries** page.



# 2508.0.0.0

Release Note • 7/30/2025 • 2 min read

## Features

With the features added in this release of the Aptean Shop Floor Production (BC) extension,

- You can hide image previews of item across all the pages in the shop floor production and replace item images with simple placeholder icons to ensure faster load times and improve performance in production environments. To know more, see [Set up shop floor production](#).
- The system notifies you on the Role Center if the Aptean Shop Floor Production Power Apps version is installed. The notification includes information about the deprecation and guides you to switch to the supported version of the Aptean Shop Floor Production (BC) extension.
- The system no longer redirects the user to the **Production Orders** list page after marking an order as *Finished*. Instead, the page refreshes and remains in the same production order, allowing you to perform follow-up actions like reviewing quality checks or reopening the order if needed. To know more, see [Set up shop floor production](#).

## UI/UX changes

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

- The **Hide Image Previews in SFP** and **Prevent Finish Navigation** toggles have been added to the **General** FastTab of the **Shop Floor Production Setup** page.
- When a production order is marked as *Finished* using the **Finish** button, the button label automatically changes to **Reopen**.

## Resolved issues

The following issues have been resolved in this release.

ID	Description
297297	The system fails to update the cost apportion ratio for production orders based on families when output is registered through shop floor production.
300779	The system incorrectly opens additional sessions in the same browser window when the <b>Enter</b> button is pressed during output registration, instead of advancing to the next field.



305270	The system incorrectly selects the first occurrence of a component when the same item appears on multiple lines, even if the the second line is selected during input registration.
301506	The system incorrectly creates a duplicate quality check, which is triggered when starting a production order, even after the initial check has been completed and passed.
301674	The system fails to display available bins in the <b>Bin Code</b> field value on the <b>Register Input</b> page. This issue occurs when an item exists in multiple bins at the same location and is not lot-tracked.



# 2507.2.0.0

Release Note • 7/2/2025 • 1 min read

## Enhancements/Modifications

With this release of the Aptean Shop Floor Production (BC) extension, you can:

- Record advanced lot attributes while registering outputs. The system allows you to view and enter relevant attribute details for output lots as required. To know more, see [Register output with lot attributes](#).
- Navigate more efficiently using the default search behavior navigation feature to define your interaction with production orders, whether you're focused on input, output, or managing the entire production order. To know more, see [Set up shop floor production](#).

## UI/UX changes

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

- The **ATTRIBUTES** button has been added to the **Register Output** page.
- The **Default Search Behavior Navigation** field has been added to the **Shop Floor Production Setup** page.

## Integrations

The Aptean Shop Floor Production (BC) extension has been integrated with the Aptean [Advanced Attributes](#) extension. For more information, see [Integrations](#).

## Resolved issues

The following issue has been resolved in this release.

ID	Description
286154	The system incorrectly filters production orders on the <b>Shop Floor Production</b> page while searching for a specific production order number using the search bar.



# 2507.1.0.0

Release Note • 7/2/2025 • 1 min read

## Enhancements/Modifications

This extension has been updated to ensure interoperability with the recent changes in the Aptean Shop Floor Production extension. To know more, see [What's new in Shop Floor Production, version 2507.1.0.0](#).



# 2507.0.0.0

Release Note • 7/2/2025 • 1 min read

## Features

With the feature added in this release of the Aptean Shop Floor Production (BC) extension, you can define the format in which the lot number appears on the **Shop Floor Production Setup** page. For more information, see [Set up shop floor production](#).

## Integrations

The Aptean Shop Floor Production (BC) extension has been integrated with the Aptean [Lot Management](#) extension.

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

## UI/UX changes

The **Output Lot Preview** field has been added to the **Shop Floor Production Setup** page.



# 2506.6.0.0

Release Note • 7/2/2025 • 1 min read

## Enhancements/Modifications

This extension has been updated to ensure interoperability with the recent changes in the Aptean Shop Floor Production extension. To know more, see [What's new in Shop Floor Production, version 2506.6.0.0](#).



# 2506.5.0.0

Release Note • 7/2/2025 • 1 min read

## Enhancements/Modifications

This extension has been updated to ensure interoperability with the recent changes in the Aptean Shop Floor Production extension. To know more, see [What's new in Shop Floor Production, version 2506.5.0.0](#).



# 2506.4.0.0

Release Note • 6/4/2025 • 2 min read

## Enhancements/Modifications

With this release of the Aptean Shop Floor Production (BC) extension,

- You can use the **Utilize Graph API for SharePoint connection** toggle on the **Shop Floor Production Setup** page to choose how the Aptean Shop Floor Production extension connects to SharePoint. Additionally, the system supports two methods for retrieving work instructions from the SharePoint, Graph API, and the existing SharePoint connection. For more information, see [Set up SharePoint connection using assisted setup](#).
- You can view and access the consolidated consumption lines on the **Input** tile of the **Shop Floor Production** page. The system displays the number of items that are marked as consolidated consumption. For more information, see [Registration of input](#).
- You can configure the **Consumption Correction Destination Bin** field value on the **Shop Floor Production Setup** page to define where lot-tracked items (excluding license plate-tracked items) should be returned during consumption correction. For more information, see [Set up shop floor production](#).
- The system automatically displays the appropriate bin code during consumption registration. This enhancement streamlines the registration of non-tracked items (items not tracked by lot or license plate) in shop floor production. For more information, see [Register input](#).

## UI/UX changes

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

- The **Consumption Correction Destination Bin** field has been added to the **Posting** FastTab of the **Shop Floor Production Setup** page.
- The *Backflushed* description has been renamed to *Automatic/Consumption* on the **Input** tile of the **Shop Floor Production** page.



# 2506.3.0.0

Release Note • 5/21/2025 • 1 min read

## Resolved issues

The following issue has been resolved in this release.

ID	Description
290644	An error occurs on the <b>Output</b> page when attempting to post the consumption for any routing line other than the last line. This issue occurs when the associated production order contains multiple routing lines and the <b>Strict Expiration Posting</b> toggle on the related <b>Item Tracking Code Card</b> page is turned on.



# 2506.2.0.0

Release Note • 5/15/2025 • 2 min read

## Enhancements/Modifications

With this release of the Aptean Shop Floor Production (BC) extension,

- The *OnCheckProductionOrderFinishedChecks* event has been added to the *SFPBCProductionStatus14FDW* codeunit. The system allows per-tenant extensions (PTEs) to seamlessly integrate custom checks and logic during the production order finishing process.
- The *OnBeforeCreateCustomPrintLabel* event has been added to the *SFPBCCommonFunctions14FDW* codeunit. Additionally, the following events have been added to the *SFPBCProductionReg14FDW* codeunit, offering flexibility by enabling PTEs to subscribe to and trigger actions at critical points in the production process.
  - *OnBeforePostingOutput*
  - *OnAfterPostingOutput*
  - *OnBeforePrintLabel*
  - *OnAfterPrintLabel*

These events allow PTEs to implement custom logic before or after important operations, such as posting production registrations and printing labels.

- You can record consumption and output weights without defining a tare weight. This allows production operators to process input and output registrations with a tare weight of 0, streamlining the registration process. For more information, see [Register input](#) and [Register output](#).

## Resolved issues

The following issues have been resolved in this release.

ID	Description
287915	The system fails to retain the correct expiration date when registering outputs for co-products with the same lot number but different expiration dates.
284357	The system fails to create a quality control check when starting a production order from the <b>Shop Floor Production</b> page.
293845	The system incorrectly calculates the weight quantity on the <b>Register Input</b> page when the unit of measure on the <b>Production BOM</b> page differs from the base unit of measure on the <b>Item Card</b> page.



# 2506.1.0.0

Release Note • 5/7/2025 • 1 min read

## Enhancements/Modifications

With this release of the Aptean Shop Floor Production (BC) extension, you can view and process production orders with the **Source Type** field value set as *Family* on the **Released Production Order** page. This enhancement streamlines operations by allowing multiple items to be processed together under one routing. For more information, see [Process production orders with family profile](#).

## UI/UX changes

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

- The **Item No.** field has been added to the **Packaging** section of the **PO Details** page.
- The **Description / Source** field on the **Production Orders** list page displays the family description and family number.
- The **Item No.** field is displayed as **Family No.** on the **General** section of the **PO Details** page.
- The family description is displayed on the following pages:
  - **PO Details**
  - **Input**
  - **Output**

### Note

These changes apply only when processing shop floor activities for family production orders.



# 2506.0.0.0

Release Note • 4/23/2025 • 1 min read

## Enhancements/Modifications

With this release of the Aptean Shop Floor Production (BC) extension, you cannot turn off the **Show in Shop Floor** toggle on the **Work Center** page if any associated production orders in that work center have their **Status/Progress** field set to a value other than *Not Started* or *Finished*. This ensures that work centers with ongoing production remain visible in the shop floor production. For more information see, [View the released production order](#).



# 2505.2.0.0

Release Note • 4/23/2025 • 1 min read

## Enhancements/Modifications

With this release of the Aptean Shop Floor Production (BC) extension, the system allows additional custom text to appear on the **Input** and **Output** tiles of the production order. This enhancement enables users or third-party developers to display contextual or instructional information using a per-tenant extension and helps production operators to access relevant details directly within the shop floor interface.



# 2505.1.0.0

Release Note • 4/16/2025 • 1 min read

## Resolved issues

The following issues have been resolved in this release.

ID	Description
277817	The system incorrectly suggests the wrong component item on the <b>Register Input</b> page. When selecting the second component line for input, it proposes the first component item instead of the correct item for the selected line. This issue occurs when the two component items have the same item number but different variant codes.
281127	The system incorrectly handles the bin code when correcting the consumption of a license plate-tracked item. Once a license plate is fully consumed, the bin code is cleared, leading to issues with the bin code being incorrectly used.



# 2505.0.0.0

Release Note • 4/9/2025 • 2 min read

## Resolved issues

The following issues have been resolved in this release.

ID	Description
272195	The system incorrectly displays an error on the <b>Input</b> page when the work center of a production order is set to finished for the shop floor production. This issue occurs even though all components linked to the work centre with the routing link code which is configured on the <b>Routing Link Code</b> field value of the <b>Prod. Order Components</b> page have been fully consumed. The system incorrectly identifies components with a routing link code that is not associated with the selected work center as required for consumption.
280784	The system incorrectly sets the default value of the <b>Default No. of Operators</b> field to <i>0</i> on the <b>Shop Floor Production Setup</b> page.
279760	The system incorrectly displays batch calculation fields for non-batch production orders on the <b>Input</b> page. This issue occurs when the <b>Input Screen Default In Batch View</b> toggle on the <b>Shop Floor Production Setup</b> page is turned on.
282300	The system fails to update the <b>Default No. of Operators</b> field value to <i>0</i> on the <b>Input</b> page. This issue arises when the <b>Concurrent Capacities</b> field value is configured in decimal on the <b>Prod. Order Routing</b> page.



# 2504.3.0.0

Release Note • 4/9/2025 • 1 min read

## Enhancements/Modifications

With this release of the Aptean Shop Floor Production (BC) extension, the system supports customization through user-defined columns on specific screens. This feature enables you or third-party developers to add custom columns to the interface using event subscriber to view or access the required data. These columns are integrated into the Aptean Shop Floor Production (BC) extension user interface across the following screens:

- Production Orders
- Input
- Output



# 2504.2.0.0

Release Note • 3/28/2025 • 1 min read

## Enhancements/Modifications

The translation files for the Swedish (sv-SE) language have been updated with standard texts for better readability.



# 2504.1.0.0

Release Note • 3/26/2025 • 1 min read

## Enhancements/Modifications

With this release of the Aptean Shop Floor Production (BC) extension, the **Default Output Quantity (Base Unit of Measure)** field value on the **Item Card** page will automatically transfer to the Aptean Shop Floor Production Power App when registering the output.

## UI/UX changes

The **Default Output Quantity (Base Unit of Measure)** field has been added to the **Item Card** page.

## Resolved issues

The following issue has been resolved in this release.

ID	Description
276998	The system fails to display the <b>Default Output Quantity (Base Unit of Measure)</b> field value on the <b>Item Card</b> page.



# 2504.0.0.0

Release Note • 3/26/2025 • 2 min read

## Features

With the features added in this release of the Aptean Shop Floor Production (BC) extension,

- You can turn on the **Input Screen Default In Batch View** toggle on the **Shop Floor Production Setup** page, the **Input** page opens with the **Batch View** toggle turned on by default.
- The system automatically updates the **Operators** field value on the production orders based on the **Default No. of Operators** field value on the **Shop Floor Production Setup** page. When changing its value, a confirmation dialog appears, allowing you to apply updates based on your selection. For more information, see [Set up shop floor production](#).

## Enhancements/Modifications

With this release of the Aptean Shop Floor Production (BC) extension,

- On the shop floor production **Input** page, when the **Batch View** toggle is turned on, the system calculates the **Planned Batches**, **Registered Batches**, and **Remaining Batches** fields based on the **Batch Qty. Rounding Precision** field configuration on the **Shop Floor Production Setup** page. These calculations are no longer derived from the **Rounding Precision** field value specified on the **Item Card** page.
- You can manually register the consumption on the **Input** page when the **Flushing Method** field value of the item is set to *Backward* on the **Prod. Order Components** page.
- You can edit the **Lot No.** field value on the **Register Output** page when the **Lot No. Profile** field is defined on the **Item Card** page and the **Lot No. Per** field value is set to *User Defined* on the **Shop Floor Production Setup** page.

## UI/UX changes

The **Input Screen Default In Batch View** and **Default No. of Operators** fields have been added to the **Shop Floor Production Setup** page.



# 2503.5.0.0

Release Note • 3/26/2025 • 1 min read

## Resolved issues

The following issues have been resolved in this release.

ID	Description
275557	The system makes the <b>Save</b> button inactive when a comment is entered on the <b>Correct Consumption</b> page, preventing from saving the consumption correction.
241089	The system fails to display the item description in the <b>Item No.</b> field on the <b>Correct Output Quantity</b> page.
262886	The system fails to translate the <b>Create Production Order Line for Unplanned Item?</b> dialog title, displaying it in English instead of the selected language.



# 2503.4.0.0

Release Note • 3/12/2025 • 2 min read

## Enhancements/Modifications

With this release of the Aptean Shop Floor Production (BC) extension,

- The system displays a single error notification to minimize redundant error messages if the SharePoint connect details are incorrect on the **Shop Floor Production Setup** page. You can update the required details on the **Shop Floor Production Setup** page and save the changes to access the production order without errors.
- You can specify an alternative license plate (license plates created through advanced warehouse management) during consumption correction. This ensures that corrections can be applied flexibly, with the corrected quantity moved to a specified license plate. To enable the functionality, you must configure this setting on the **Shop Floor Production Setup** page. For more information, see [Set up shop floor production](#) and [Correct consumption with AWM license plates](#).

## UI/UX changes

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

- The **Allow New License Plate in Consumption Correction** toggle and **Consumption Correction Reclassification Journal Template Name** field have been added to the **General** FastTab of the **Shop Floor Production Setup** page.

 Note

The above changes are visible only when the Aptean Beverage [Advanced Warehouse Management](#) extension, Drink-IT Edition, is installed.

- The **To License Plate** field and the **GET NEW LICENSE PLATE NO.** action have been added to the **Correct Consumption** page associated with the **Input** page.

## Integrations

The Aptean Shop Floor Production (BC) extension has been integrated with the Aptean Beverage [Advanced Warehouse Management](#) extension, Drink-IT Edition.

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



## Resolved issues

The following issues have been resolved in this release.

ID	Description
272196	The system fails to display an error message when the work instruction fails to connect to SharePoint.
271289	The system fails to update the <b>Registered</b> field value with the registered output when selecting <b>SAVE + NEW</b> button on the <b>Register Output</b> page, causing the displayed quantity to remain unchanged.
270931	The system replaces the newly generated license plate with a previously assigned one when the <b>License Plate No.</b> or <b>Shipping Container</b> field value is accidentally selected after using the <b>GET NEW LICENSE PLATE NO.</b> action on the <b>Register Output</b> page.



# 2503.3.0.0

Release Note • 3/5/2025 • 1 min read

## Enhancements/Modifications

With this release of the Aptean Shop Floor Production (BC) extension, common warnings in various objects have been removed or marked as obsolete, as part of a code cleanup activity.



# 2503.2.0.0

Release Note • 2/28/2025 • 1 min read

## Resolved issues

The following issues have been resolved in this release.

ID	Description
267660	The system incorrectly makes the <b>Shop Floor Production Failure Code</b> page available even when the <b>Enable SFP in BC</b> toggle on the <b>Shop Floor Production Setup</b> page is turned off. Additionally, the system creates a blank record when the production order is finished.
253325	The system immediately creates quality checks through the job queue without considering the recurring time, generating them more frequently than the interval specified in the <b>Recurring Period</b> field on the <b>Quality Control Triggers</b> page.



# 2503.1.0.0

Release Note • 2/25/2025 • 2 min read

## Enhancements/Modifications

With this release of the Aptean Shop Floor Production (BC) extension,

- You can configure whether labels should be printed automatically when registering an output using the **Auto Print Label on Output Registration** toggle on the **Shop Floor Production Setup** page. For more information, see [Set up shop floor production](#).
- You can enter **WIW** in the search bar to quickly find and access the **Work Instruction Worksheet** page.
- You can edit worksheet data in Excel, modify specific fields, and save the updates directly in Business Central. For more information, see [Upload work instructions to Business Central or SharePoint document library](#).
- If a work instruction file is deleted from SharePoint, its mapping data remains in the worksheet and is highlighted in red for easy identification. You can then remove the missing records manually or automatically. For more information, see [Identify missing work instruction files](#).
- When you open the **Production Orders** list page, the cursor is automatically placed in the search bar. This allows you to quickly scan a barcode or enter a production order number without additional clicks, reducing manual effort.
- The system displays "-" instead of "NaN%" on the **Input** tile when all items are set to automatic flushing, indicating 0% completion. If any items in the production order are set to manual flushing, the completion percentage will be calculated based on the registered input.

## UI/UX changes

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

- The **Auto Print Label on Output Registration** toggle has been added to the **Posting** FastTab of the **Shop Floor Production Setup** page.
- An alternate search term, **WIW**, has been added for the **Work Instruction Worksheet** page.
- "NaN%" has been replaced with the "-" symbol on the **Input** tile when all items are set to automatic flushing.



# 2503.0.0.0

Release Note • 2/25/2025 • 1 min read

## Features

With this release of the Aptean Shop Floor Production (BC) extension, the system ensures that during output registration in shop floor production, the item displays the relevant unplanned output description, including the variant code description if a variant is used, as defined on the **Unplanned Output Setup** page. For more information, see [What's new in Process Manufacturing, version 2504.0.0.0](#).



# 2502.4.0.0

Release Note • 2/21/2025 • 1 min read

## Resolved issues

The following issue has been resolved in this release.

ID	Description
267723	The system creates duplicate status records when a new production order is opened in multiple windows, and the number of operators on the <b>Status</b> bar is adjusted simultaneously.



# 2502.3.0.0

Release Note • 2/11/2025 • 2 min read

## Enhancements/Modifications

With this release of the Aptean Shop Floor Production (BC) extension, you can:

- View and register input components for both the main output item and its associated co-products. For more information, see [Register co-products as input](#).
- Register outputs for both the main item and co-products, ensuring accurate tracking of production progress and ledger entries. For more information, see [Register co-products as output](#).
- Configure the **Auto Refresh Interval** and **Auto Refresh Idle Timeout** fields to manage how often data refreshes and when automatic refresh pauses due to inactivity. For more information, see [Configure auto-refresh settings](#).

## UI/UX changes

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

- The **Auto Refresh Interval** and **Auto Refresh Idle Timeout** fields have been added to the **Shop Floor Production Setup** page.
- The **Refresh** icon has been added to the following pages.
  - Machine Centers
  - Work Centers
  - Production Orders list
  - Production order card
  - Input
  - Output

## Resolved issues

The following issues have been resolved in this release.

ID	Description
256556	The system incorrectly allows inventory to exist in two bins simultaneously during a consumption correction, with an empty value in the <b>Zone Code</b> field in the positive adjustment line on the <b>Warehouse Entries</b> page.



258047	The system fails to populate the <b>Consumption Reallocation Item</b> page when an unplanned output item is added to a released production order via the <b>Shop Floor Production</b> page.
256544	The system does not refresh the quality check count on returning to the <b>Shop Floor Production</b> page after completing a quality check via the <b>Quality Control Checks</b> or <b>Quality Control App</b> page.



# 2502.2.0.0

Release Note • 1/29/2025 • 1 min read

## Resolved issues

The following issue has been resolved in this release.

ID	Description
262827	The system allows multiple production status records to be created or updated simultaneously when the same production order is accessed in multiple windows. This results in conflicting status changes in the <b>Shop Floor Control Status</b> field on the <b>Shop Floor Production Status</b> page.



# 2502.1.0.0

Release Note • 1/15/2025 • 1 min read

## Enhancements/Modifications

With this release of the Aptean Shop Floor Production (BC) extension, you can use the **Correct Consumption** dialog to adjust consumption entries for license plate (LP) tracked items when the Aptean Beverage [Advanced Warehouse Management](#). For more information, see [To correct consumption entries](#).

## Resolved issues

The following issue has been resolved in this release.

ID	Description
257303	The system incorrectly updates the <b>Quantity</b> field value for non-license plates (lot-tracked) items on the <b>Item Card</b> page.



# 2502.0.0.0

Release Note • 1/10/2025 • 2 min read

## Features

With this release of the Aptean Shop Floor Production (BC) extension,

- You can perform shop floor production activities in Business Central by directly accessing the **Launch Shop Floor Production** tile in the **Shop Floor Production User** role center.
- You can define the rounding precision for batch quantity fields. For more information, see [Set up shop floor production](#).
- The system supports customization through user-defined actions on specific pages. This feature enables customers or third-party developers to add their own actions to the interface using a custom-developed per-tenant extension. These actions are integrated into the Aptean Shop Floor Production (BC) extension's user interface. If no custom actions are defined, the user interface of the extension remains unchanged without any modifications.

## UI/UX changes

The following changes have been made in this release.

- The **Launch Shop Floor Production** tile and **Shop Floor Production User** role center have been added to the Role Center.
- The **Batch Qty. Rounding Precision** field has been added to the **Batching** FastTab of the **Shop Floor Production Setup** page.

## Resolved issues

The following issues have been resolved in this release.

ID	Description
250106	The system allows to select the <b>Save</b> and <b>Save + New</b> buttons multiple times on the <b>Register Output</b> page, leading to duplicate submissions.
251061	The system creates multiple shop floor production status entries when the number of operators is increased, and the <b>Start-Up</b> and <b>Production</b> buttons on the <b>Status</b> bar are selected rapidly.



# 2501.0.0.0

Release Note • 1/8/2025 • 1 min read

## Enhancements/Modifications

This extension has been updated to ensure interoperability with the recent changes in the Aptean Shop Floor Production extension. To know more, see [What's new in Shop Floor Production, version 2501.0.0.0](#).



# 2408.0.0.0

Release Note • 12/9/2024 • 1 min read

## Features

With the features added in this release of the Aptean Shop Floor Production (BC) extension, you can:

- Generate reports such as job cards, material requisitions, shortage lists, and batch worksheets using the print function on the **Shop Floor Production** page. For more information, see [Generate reports](#).
- Use the **Default Report Selection** field to specify the default report to be generated on the **Shop Floor Production Setup** page. For more information, see [Set up shop floor production](#).

## UI/UX changes

The following options have been added to print reports on the **Shop Floor Production** page.

- Print Job Card
- Print Mat. Requisition
- Print Shortage List
- Print Batch Worksheet



# 2407.1.0.0

Release Note • 12/3/2024 • 1 min read

## Enhancements/Modifications

With this release of the Aptean Shop Floor Production (BC) extension, when the Aptean [Advanced Warehouse Management](#) extension is installed, you can manage the source of license plate functionality. For more information, see [Set up shop floor production](#).

## UI/UX changes

The **Restrict Consumption Bin** toggle has been added to the **General** FastTab of the **Shop Floor Production Setup** page.



# 2407.0.0.0

Release Note • 11/26/2024 • 1 min read

## Features

With this release of the Aptean Shop Floor Production (BC) extension, you can correct consumption entries for manually flushed items using the **Correct Consumption** dialog. For more information, see [To correct consumption entries](#).

## UI/UX changes

The **Actions** field has been added to the **Input** page.



# 2406.2.0.0

Release Note • 11/20/2024 • 1 min read

## Enhancements/Modifications

This extension has been updated to ensure interoperability with the recent changes in the Aptean Quality Control (QCA) for Food and Beverage (BC) extension. With this release, you can navigate to quality checks on the **Quality Control App** page from production orders for streamlined quality control during production. For more information, see [What's new in Quality Control \(QCA\), version 2406.0.0.0](#).



# 2406.1.0.0

Release Note • 11/14/2024 • 1 min read

## Resolved issues

The following issues have been resolved in this release.

ID	Description
243092	The system displays inconsistent date formats on the <b>Register Output</b> page. When the Business Central regional setting is configured as New Zealand (NZ), the <b>Expiration Date</b> field value appears in the US format (MM/DD/YYYY) on the <b>Register Output</b> page. However, after registering the output, the expiration date is displayed in the correct NZ format (DD/MM/YYYY) on the <b>Output</b> list page.
243116, 243210	The system incorrectly calculates consumption and completion percentages for components. Before the production order starts, these components appear as partially consumed, and once production begins, the percentage values on the <b>Input</b> page are displayed incorrectly. This issue occurs when the <b>Quantity per</b> field value is zero on the <b>Prod. Order Components</b> page.



# 2406.0.0.0

Release Note • 11/7/2024 • 1 min read

## Features

With this release of the Aptean Shop Floor Production (BC) extension,

- You can copy the error call stack when an error occurs in the Shop Floor Production (BC) interface. Directly select the error message, and a link within the error notification will allow you to copy the call stack to the clipboard. This enhancement simplifies error reporting by enabling you to quickly capture and share the call stack with the support team, helping to streamline troubleshooting and improve issue resolution.
- The **Production Orders** list page displays production orders sorted by start date and time, from the earliest to the latest. This enhancement addresses the issue reported in bug ID #237172.

## UX/UX changes

The **Sort** icon for the **Prod. Order / Quantity**, **Description / Item**, and **Status / Progress** fields has been removed on the **Production Orders** list page.



# 2405.0.0.0

Release Note • 11/5/2024 • 1 min read

## Enhancements/Modifications

This extension has been updated to ensure interoperability with the Aptean Feature Control extension. To know more, see [Highlights of Feature Control, version 2401.0.0.0](#).



# 2404.10.0.0

Release Note • 10/29/2024 • 1 min read

## Enhancements/Modifications

This extension has been updated to ensure interoperability with the recent changes in the Aptean Shop Floor Production extension. To know more, see [What's new in Shop Floor Production, version 2404.10.0.0](#)



# 2404.9.0.0

Release Note • 10/28/2024 • 1 min read

## Resolved issues

The following issues have been resolved in this release.

ID	Description
241415	The system incorrectly displays the <b>License Plate No.</b> field value by including the shipping container code on the <b>Output</b> page. This issue occurs while registering output with an existing license plate.
241466, 241402	The system displays incorrect planned start and end dates on the <b>Production</b> list and detail pages when the system time zone differs from the Central Time Zone.
240130, 240402	A deadlock error occurs when attempting to print output labels.



# 2404.8.0.0

Release Note • 10/24/2024 • 1 min read

## Resolved issues

The following issues have been resolved in this release.

ID	Description
240033	An error related to string length occurs when posting the purchase orders created through the <b>Subcontracting Worksheets</b> page.
235866	An error related to string length occurs when posting the consumption on the <b>Register Input</b> page.



# 2404.7.0.0

Release Note • 10/22/2024 • 1 min read

## Enhancements/Modifications

The translation files for the Danish (da-DK) language have been updated with standard texts for better readability.



# 2404.6.0.0

Release Note • 10/7/2024 • 3 min read

## UI/UX changes

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

- The **Failure Code** page name has been renamed to **Shop Floor Production Failure Code**.
- The **Description** field has been added to the **Shop Floor Production Failure Code** page.
- The following confirmation messages have been added when turning on the **Enable SFP in BC** toggle on the **Shop Floor Production Setup** page.
  - *Ensure all work centers are stopped in the Power App version of SFP to avoid missing any quality checks before enabling this option. Do you want to continue?*
  - *Once you enable this option, you won't be able to switch back to the Power App version of SFP. Do you want to proceed?*
- The following confirmation messages displayed when the **Quality Control Extension** field is set as **Quality Control Power App** on the **Shop Floor Production Setup** page have been modified.
  - *This option cannot be turned on because the Quality Control in Power App is currently active, and it's not supported by Business Central version of SFP. To proceed, switch to Quality Control in BC.*
  - *Ensure that Quality Control in BC is installed, as Quality Control in Power App is not supported. Do you want to continue?*
- The following error messages have been removed.
  - *Not all time entries are posted for Production Order* - The validation for posting all time entries in a production order.
  - *There are unfinished production orders in the Power App version of SFP. Complete or move these orders before enabling this option in Business Central* - The validation for unfinished production orders in the Shop Floor Production Power App version.

## Resolved issues

The following issues have been resolved in this release.

ID	Description
223512	The <b>Weight qty. to subtract (KG)</b> field value is incorrectly calculated for catch weight items on the <b>Correct Output Quantity</b> dialog.



225740	The system fails to create a quality control check when posting the output if the <b>Trigger Action</b> field is set to <i>Post</i> on the <b>Quality Control Trigger Actions</b> page.
235041	The system fails to filter the component lines based on the routing link code value on the <b>Input</b> page.
224664	The system allows to edit the <b>Expiration Date</b> field on the <b>Output</b> page, even when it should be non-editable.
224775	The system fails to automatically populate the <b>Expiration Date</b> field value based on the selected lot number when registering additional outputs on the <b>Output</b> page.
225139	The system incorrectly displays the <b>Weight Quantity (KG)</b> field value after the first output registration when the <b>Lot No. per</b> field is set to <i>User Defined</i> , and the item catch weight setup is <i>Fixed</i> .
224477	The <b>Shipping Container</b> field value gets deleted on the <b>Register Output</b> page. This issue occurs after generating the new license plate number and selecting the shipping container code.
237856	The system fails to open the production order on the <b>Shop Floor Production</b> page when the routing code includes a special character such as /.
237863	The system fails to route label printing to the designated printer based on the machine center configuration on the <b>Label Printer Setup</b> page.



# 2404.5.0.0

Release Note • 9/24/2024 • 1 min read

## Enhancements/Modifications

This extension has been updated to ensure interoperability with the recent changes in the Aptean Shop Floor Production extension. To know more, see [What's new in Shop Floor Production, version 2404.5.0.0](#).



# 2404.4.0.0

Release Note • 9/19/2024 • 1 min read

## Enhancements/Modifications

This extension has been updated to ensure interoperability with the recent changes in the Aptean Quality Control (QCA) extension for BC. To know more, see [What's new in Quality Control \(QCA\) for BC, version 2403.3.0.0](#).



# 2404.3.0.0

Release Note • 9/17/2024 • 2 min read

## Enhancements/Modifications

With this release of the Aptean Shop Floor Production (BC) we bring the Shop Floor Production application from PowerApp platform to Business Central environment. With this app you can:

- View the total number of production orders associated with a work center or machine center. To know more, see [View the released production orders in a work center/machine center](#).
- Collectively read the overview of the production order details. To know more, see [Production order overview](#).
- Register the consumption and view the input components. To know more, see [Registration of input](#).
- Register the output and view the posted output. To know more, see [Registration of output](#).
- Create quality checks for the order during the start and end of the work center. To know more see [Creation of quality checks in work center](#).
- Register the co-product associated with the production BOM. To know more, see [Register Co-Product](#).
- Define the code and reason for the production order failure. To know more, see [Track and record production failure](#).
- Print labels for the output registered items along with comments and license plate information. To know more, see [Print Labels](#).

## UI/UX changes

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

- The **Office365 Users (Related > Work Ctr. > Office365 Users)** action has been removed from the **Work Center Card** page.
- The **Shop Floor Users (Work Center > Shop Floor Users)** action has been added to the **Work Center Card** page.
- The **Active** toggle has been added to the **General** FastTab of the **Work Center Card** page.
- The **Shop Floor Production Comment** card page has been added. This card page is associated with the **Comment** field on the **Shop Floor Production Comments** page.

## Resolved issues

The following issue has been resolved in this release:



ID	Description
232068	The system fails to update the date format in date fields on the <b>Register Input</b> and <b>Register Output</b> pages when the <b>Region</b> field is changed to any option other than <i>English (United States)</i> in the <b>My Settings</b> dialog.



# Introduction

Article • 3/28/2025 • 1 min read

The Aptean Shop Floor Production BC (SFP) extension for Microsoft Dynamics 365 Business Central streamlines the management of production orders by registering their input and output. It displays details, work instructions, and comments per production order, enabling users to track and indicate the order's status, whether it is starting up, paused, or experiencing a failure.

With this extension, you can track order status, log time entries, and visualize progress. It also includes features for triggering quality checks, scanning barcodes or QR codes for lots and license plates, printing labels, and displaying packaging details. This comprehensive approach, built within Microsoft Dynamics 365 Business Central, ensures an efficient, user-friendly experience and enhances accuracy in production operations.

## Note

To set up and use the Aptean Shop Floor Production Power App, refer to the Aptean [Shop Floor Production](#) extension documentation for configuration steps and operational guidance.



# Setup

Article • 11/6/2025 • 1 min read

The following setups are required.

- [Manage permission sets](#)
- [Set up users per work center](#)
- [Set up shop floor production](#)
- [Configure auto-refresh settings](#)



# Manage permission sets

Article • 12/27/2024 • 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 *SHOPFLPRODFDW*.

## 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 *SHOPFLPRODBASICFDW*.

## 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.

The associated fields are automatically updated based on the entered value.

The user has the necessary permissions to use the features of the Aptean Shop Floor Production (BC) extension, ensuring secure and role-based access.



# Set up users per work center

Article • 10/22/2025 • 4 min read

To register input and output in the Shop Floor Production, the work centers must be visible. You can specify whether a Work Center should be visible in the Shop Floor Production, on a per-Work Center basis.

When using machine centers, the machine center follows the setting of the linked work center.

Furthermore, only users who have been assigned to a Work Center can access it within the app.

You can assign a user to a work center directly from the **Work Center Card** page via **Shop Floor Users** action.



1. Select the Search icon , enter **Work Centers**, and then choose the related link.

The **Work Centers** list page opens.

2. Select the desired **No.**

The **Work Center Card** page opens.

The **Active** toggle automatically inherits the value based on the **Status** toggle on the **Work Centers** list page associated with the **Shop Floor Production** page.

3. In the **Unit of Measure Code** field, select an option. When you turn on the **Show in Shop Floor** toggle, the available options are: *Hours, Minutes, Seconds, Days, and Pieces*. If the field is set to any other unit of measure, the system displays an error message.

## Note

Machine centers inherit the unit of measure type from their parent work center.

4. On the action bar, select **Work Center > Shop Floor Users**.

The **Shop Floor Users** list page for the selected work center opens.

5. In the **User** field, enter or select the desired user ID.

The **Work Center No.** field is automatically populated with the respective work center.

The user is now assigned to the work center. You can view the list of all the work centers and assigned users on the **Shop Floor Users** list page when opened through the tell me function.

On the **Posting** FastTab, if the **Unit Cost Calculation** field is set to *Time*, both the direct and indirect costs from the work center will not be posted, and no capacity ledger entry will be created.

When a work center is deleted, all the users linked to the respective work center also gets deleted.

The number of Shop Floor Production users cannot be more than the quantity of subscriptions on the **Subscription Overview** page.



 Note

To perform all shop floor operations, a **Dynamics 365 Business Central Device license** is required.

Alternatively, users with a **Dynamics 365 Business Central Premium license** can also perform the shop floor activities, along with access to the full suite of Business Central functionalities.



# Set up shop floor production

Article • 10/22/2025 • 18 min read

The following steps outline the shop floor production setup.



1. Select the Search icon  , enter **Shop Floor Production Setup**, and then choose the related link.

The **Shop Floor Production Setup** page opens.

## Note

It is recommended to use Shop Floor Production (BC) in tablet mode for better performance.

2. You can set up how a lot number will be assigned to the output lines of a production order when an output is registered on the Shop Floor Production. On the **General** FastTab, in the **Lot No. Per** field, choose the relevant option from the dropdown:

- *Production Order*: The same lot number will be assigned to all output lines in the production order.
- *Output Journal*: A different lot number will be assigned to each output line in the production order.
- *User Defined*: This method offers more flexibility. You can manually change the suggested lot number on the **Register Output** page using the **Generate new lot no.** button.

## Note

If the **Manual Nos.** checkbox is selected on the **No. Series** page of the lot number setup, users can manually edit the lot number on the **Register Output** page in the Shop Floor Production.

When an item with a lot number profile is produced, the lot number assigned to the related output lines is based on the lot number profile setup. For more information, see [Create Lot No. with Lot No. Profile](#).

3. Select the **Output Lot Preview** field value which specifies how the lot number is previewed or generated in the shop floor production process before posting. This field value determines whether the system auto-increments, previews the number series, or requires manual entry for the **Lot No.** field value on the **Register Output** page, based on the selected option in the **Output Lot Preview** field value.

The **Lot No. per** field value is set to *Production Order* or *Output Journal* or *User Defined* and the **Output Lot Preview** field value is set to *Increment*. The **Lot No.** field value is automatically incremented each time when the **Register Output** page is opened on the shop floor production.

- When the **Lot No. per** field value is set to *Production Order*, and the **Output Lot Preview** field value is set to *Peek No. Series*, the **Lot No.** field value is peeked when the **Register Output** page is opened on the Shop Floor Production, and the lot number should post based on the **Last No. Used** field value on the **No. Series** page when the **SAVE** button is selected.



The lot number remains the same for that particular production order even **SAVE** button is selected for the multiple times on the **Register Output** page.

- When the **Lot No. per** field value is set to *Output Journal*, and the **Output Lot Preview** field value is set to *Peek No. Series*, the **Lot No.** field value get peeked every time when the **Register Output** page is opened on the Shop Floor Production, after selecting the **SAVE** button and the lot number should posted in the **Last No. Used** field value on the **No. Series** page.
- When the **Lot No. per** field value is set to *User Defined* and the **Output Lot Preview** field value is *None* the **Lot No.** field value remains blank when the **Register Output** page is opened in the shop floor production. When the **OUTPUT** section is selected, the **Lot No.** field value on the **Register Output** page of the shop floor production will be increased and also the lot number value in the **Last No. Used** field on the **No. Series** page will be updated.  
When the **Lot No. per** field value is set to *Production Order* or *Output Journal* and trying to select *None* option in the **Output Lot Preview** field, then it is not a valid combination.  
When the **Lot No. per** field value is set to *User Defined*, selecting the *Peek No. Series* option in the **Output Lot Preview** field is not a valid combination.

4. Enter the **Date Formula Show Prod. Orders** field value with the period length. It shows the period length of the production orders to send to the Shop Floor Production. If the field is not filled, the period length of the production orders will be the system date plus one day.

This field specifies the period length in which the production orders. Here, you can work with the same date formulas as known within Dynamics 365 Business Central. If this field is not filled, the period length of the production orders is the system date + 1 day.

5. In the **Default No. of Operators** field, select the value to update the **Operators** field value on production orders automatically.

### Note

When changing the **Default No. of Operators** value, a confirmation dialog appears:

- Selecting **Yes** updates the **No. of Operators** field for all production orders with the status *Not Started* to the new default value.
- Selecting **No** does not update any existing production orders, and the new default value will only apply to newly created production orders.

When the **Concurrent Capacities** field is configured with a decimal value on the **Prod. Order Routing** page, and the **Default No. of Operators** field on the **Shop Floor Production Setup** page is set to *Concurrent Capacities*, the **Default No. of Operators** field on the **Input** page will display a value of *0*. However, the default value of this field is *1*.

- In the **Job Queue Category Code** field, choose the code from the dropdown menu which is used for the Job Task that creates the Quality Checks.
- In the **Max Recurring Quality Checks** field, enter the number of recurring quality checks that may exist with an open status for a production order. When the maximum number is reached, no new recurring quality checks are



created for the production order by the Aptean [Quality Control](#) extension. If the value entered is zero, then there is no limit to the maximum number of quality checks. The maximum value applies to both trigger actions Recurring (Time) and Recurring (Output Quantity).

To post the registration entries in Dynamics 365 Business Central, the journal templates for output and consumption are used. For posting time as capacity, the batch names on which the postings takes place must be specified (Output and Error Batch).

8. In the **Display Barcode on Production Order Screen** field, select an option from the dropdown to specify the type of barcode to be displayed on the **Production Order** screen of the Shop Floor Production. The options are:

- *Do not display* – In this case, neither barcode nor QR code will be displayed on the **Production Order** screen.
- *Display Barcode* – The barcode will be displayed on the **Production Order** screen.
- *Display QR Code* – The QR code will be displayed on the **Production Order** screen.

9. When the **Allow Manual Input of License Plate Number** toggle is turned on, the **License Plate No.** field on the **Register Output** screen of the Shop Floor Production can be entered manually for a license plate tracked item.

 **Note**

Using the manual mode, you can enter any license plate number. Use caution to input accurate information and avoid potential issues.

10. Turn on the **Allow New License Plate in Consumption Correction** toggle to specify whether a new license plate can be assigned during consumption correction instead of the license plate used in the original consumption. The system applies the correction to the original license plate and then moves the corrected quantity to the specified license plate.

11. In the **Consumption Correction Reclassification Journal Template Name** field, enter or select the name of the journal template used for posting reclassification journal entries related to consumption correction.

 **Note**

The above toggle and field are visible only when the Aptean Beverage [Advanced Warehouse Management](#) extension, Drink-IT Edition, is installed.

12. In the **Output Expiration Date Calc.** field, select an option based on which the expiration date is calculated in the Aptean Shop Floor Production. The options are:

- *Routing Start Date* – The expiration date will be calculated based on the date value in the **Starting Date – Time** field of the last routing line in the **Prod. Order Routing** page associated with the production order line.
- *Posting Date* - The expiration date will be calculated based on the system date.
- *Item Expiration Setup* - The expiration date is calculated based on the selection made in the expiration setup for specific items. This option is available only when the Aptean [Expiration Management](#) extension is



installed in conjunction with the Aptean Shop Floor Production extension. To know more, see [Item Expiration Setup](#).

 Note

For this functionality, it is important that the Aptean [Expiration Management](#) extension is updated to version [2402.0.0.0](#).

13. In the **Default Report Selection** field, select the required option to generate reports. The available options are:

- Job Card
- Mat. Requisition
- Shortage List
- Batch Worksheet

The default value is set as *Job Card*.

 Note

The *Batch Worksheet* option is visible only when the Aptean [Process Manufacturing](#) extension is installed.

14. In the **Auto Refresh Interval** field, enter the required time interval in seconds to refresh data on the **Shop Floor Production** page automatically.

15. In the **Auto Refresh Idle Timeout** field, enter the desired idle timeout in minutes, after which automatic refresh will be suspended.

For more information, see [Configure auto-refresh settings](#).

16. Turn on the **Enable SFP in BC** toggle to enable the Aptean Shop Floor Production extension features in Business Central and disable the Shop Floor Production Power App.

For more information, see [Migrate from Aptean Shop Floor Production Power App](#).

17. In the **Default Search Behavior Navigation** field, select the appropriate option from the dropdown. This setting determines which screen you are taken to when searching for a production order in the shop floor production. When you enter a keyword in the search bar and press Enter, the system redirects you based on the selected navigation behavior:

- *Production Order* – Opens the production order start page.
- *Input* – Opens the **Register Input** page. If multiple components are found, the **Input** list page is displayed.
- *Output* – Opens the **Register Output** page. If multiple outputs are found, the **Output** list page is displayed.



 Note

- This functionality works when you enter a production order number and press **Enter** in the search bar. If you don't press **Enter**, the search bar functions as a filter. This behavior also supports the use of wedge scanners to scan barcodes of production order numbers.
- You can scan production orders with statuses other than *Production*, but you must change the status to *Production* before registering inputs or outputs.

18. Turn on the **Prevent Finish Navigation** toggle to stay on the production order after marking it as *Finished* when selecting the **Finish** button. The system refreshes the production order instead of navigating back to the **Production Orders** list page. You can perform follow-up tasks, such as reviewing quality checks or printing instructions, without leaving the page.

Finished production orders opened from the production order list view directly open the order in read-only mode, with only relevant actions enabled (For example, PO details, work instructions, and quality checks).

 Note

When a production order is marked as *Finished* using the **Finish** button, the button label automatically changes to **Reopen**. Users can select the **Reopen** button to reopen the finished order and perform specific actions such as reviewing quality checks or making further updates.

19. On the **Performance** FastTab, turn on the **Hide Image Previews in SFP** toggle to replace images of item with simple placeholder icons to reduce loading time across all the pages in the shop floor production.

20. Turn on the **Enable Row Virtualization** toggle to improve performance when you work with large production order lists. The system renders only the visible rows on the **Production Orders** list page, which makes scrolling and navigation faster.

When the toggle is turned off, the system automatically scrolls to the previously selected production order.

21. On the **Posting** FastTab, in the **Output Journal Template Name** field, select the required journal template used for posting output and time entries.

22. In the **Time Entries Error Journal Batch Name** field, select the required error journal batch used for storing fault posting lines of the time entries.

23. In the **Consumption Journal Template Name** field, select the required journal template used for posting consumption.

24. Turn on the **Post Time Shop Floor** toggle to post the time registrations as capacity entries.

25. Turn on the **Restrict Consumption Bin** toggle to filter license plate information in the selected bin.

26. In the **Production Registration Entry Nos.** field, select the required number.

This number series will be used when shop floor production registration entries will be created from shop floor production time entries.



27. In the **Capacity Unit of Measure Minutes** field, select the required Unit of Measure Code.

This is the Unit of Measure Code which reflects the minutes setting. The time duration in the time registrations from the Shop Floor Production are in minutes.

28. Turn on the **Auto Print Label on Output Registration** toggle.

The system will automatically select the **Print Label** checkbox on the **Output Registration** page, ensuring labels are printed upon output registration. If you prefer not to print labels automatically during production, you can manually deselect the checkbox during output registration.

29. In the **Consumption Correction Destination Bin** field, select the required value. The available options are:

- *Component Bin*: Returns the product to the bin defined on the production order component line.
- *Original Bin*: Returns the product to the bin from which it was most likely consumed. The system uses a best-match approach to determine the bin, based on attributes such as item number, variant code, lot number, location code, and production order details on the **Warehouse Entries** page. While the selected bin is typically accurate, this method does not guarantee an exact match to the original bin used during consumption.

 **Note**

If the **Restrict Consumption Bin** toggle is turned on, you cannot change the **Consumption Correction Destination Bin** field value. The system defaults to the *Component Bin* option. You must turn off the **Restrict Consumption Bin** toggle to make changes in the **Consumption Correction Destination Bin** field.

30. In the **License Plate Consumption Mode** field, you can specify how the system processes entire license plate consumption for production orders. The available options are:

- *Disabled*: The **+ LICENSE PLATE** button is hidden, and the license plate consumption feature cannot be used.
- *Strict*: The system prevents posting if any item or quantity differs from the production order component requirements.
- *Allow Quantity Difference*: The system registers the quantities on the license plate exactly, allowing over- or under-consumption.

To know more, see [Register consumption for a license plate](#).

31. On the **Batching** FastTab, turn on the **Default Batch Consumption Quantity** toggle to auto-populate the batch quantity of the component during input registration on the shop floor production.

32. Turn on the **Default Batch Output Quantity** toggle to auto-populate the batch quantity of the production order line during output registration on the shop floor production.

33. In the **Batch Consumption Quantity Warning** field, you can specify whether to display the warning message if the entered consumption quantity does not match the defined batch quantity for the component line.

34. In the **Batch Output Quantity Warning** field, you can specify whether to display the warning message if the entered output quantity does not match the defined batch quantity for the production order line.



35. In the **Batch Qty. Rounding Precision** field, enter the number of decimal places to round batch quantities, which will be displayed on the corresponding pages related to the shop floor production process.

The rounding precision applies to the batch quantity fields across the following pages:

- Production order list
- Input list
- Register Input
- Register Output

 **Note**

- Enter a value between 0 and 5 decimal places. Common values include 0 (no decimal places), 0.1, 0.01, 0.001, 0.0001, and 0.00001. A value of 0 will set the rounding precision to the highest level (for example, 0.00001).
- The rounding precision does not apply to the default value of the **Quantity (UOM)** field on the **Register Input** page.

36. On the **Shop Floor Production Setup** page, turn on the **Input Screen Default In Batch View** toggle. Open the **Input** page with **Batch View** toggle turned on by default.

On the shop floor production **Input** page, when the **Batch View** toggle is enabled, the system calculates the **Planned Batches**, **Registered Batches**, and **Remaining Batches** fields based on the **Batch Qty. Rounding Precision** field configuration on the **Shop Floor Production Setup** page. These calculations are no longer derived from the **Rounding Precision** field value specified on the **Item Card** page.

You can manually register the consumption on the **Input** page when the **Flushing Method** field of the item is set to *Backward* on the **Prod. Order Components** page.

You can edit **Lot No. field** value on the **Register Output** page when the **Lot No. Profile** is defined on the **Item Card** page and the **Lot No. Per** field is set to *User Defined* on the **Shop Floor Production Setup** page.

1. Use the **Utilize Graph API for SharePoint connection** toggle to choose between using delegated permissions and application permissions via the Graph API. The system uses delegated permissions by default, but you can switch to application permissions based on your requirements.

Refer to the following points to understand the difference between delegated and application permissions.

- **Delegated Permissions:** SharePoint is accessed on behalf of the signed-in user. The user must have direct access to the SharePoint site and its contents.
- **Application Permissions:** SharePoint is accessed independently of the signed-in user, using a registered app. The app must have permission to access the SharePoint site, even if the user does not.

If the toggle is turned on, the system retrieves work instructions using the Graph API. Changing the connection method clears existing SharePoint connection information.



If the toggle is turned off, the system retrieves work instructions using the existing SharePoint connection.

 Note

- This toggle is visible only when the **Enable SFP in BC** toggle is turned on.
- Always run the **Work Instruction Connection Assisted Setup** wizard after switching to application permissions to re-establish the SharePoint link.

2. On the **Work Instructions** FastTab, in the **Client ID** field, enter the unique identification number assigned to the application user.
3. In the **Client Secret** field, enter the secure credentials applications to authenticate and authorize access to Azure resources.
4. In the **Site URL** field, enter the webpage address used for the login process.
5. In the **Document Library Name** field, enter the document library name containing the work instruction PDFs or specify where you want to store them.

For more information, see [Set up work instructions in shop floor production](#).

When you execute the **Post Shop Floor Production Time Entries** action for a released production order, the system uses the **Capacity Unit of Measure** field value configured on the work center in the **Shop Floor Production Setup** page to determine which duration field to use for populating the **Quantity** field value on the **Capacity Ledger Entries** page.

The system then calculates the labor cost by multiplying the labor duration by the direct unit cost configured on the labor work center.

 Note

Shop floor production only supports work centers where the **Capacity Unit of Measure** field is set to *Hours*, *Minutes*, or *Seconds* on the **Shop Floor Production Setup** page. Work centers with other units of measure types (such as *Days* or *Pieces*) are not supported.



# Configure auto-refresh settings

Article • 6/16/2025 • 2 min read

You can configure the **Auto Refresh Interval** and **Auto Refresh Idle Timeout** field values to control how often the system must refresh data, and when it should pause due to inactivity. It provides an automatic data refresh feature to ensure you always see up-to-date information.

## Note

This feature is accessible only when the **Enable SFP in BC** toggle on the **Shop Floor Production Setup** page is turned on.

## Configure auto-refresh interval

To specify how often the **Shop Floor Production** page or its associated pages update data automatically, follow these steps:

1. Open the **Shop Floor Production Setup** page.
2. On the **General** FastTab, in the **Auto Refresh Interval** field, enter a value greater than *15* (in seconds) to enable automatic refresh. By default, the value is set to *0*, meaning data will not refresh automatically.

Data updates at the specified interval, ensuring visibility of new production orders and changes.

## Note

- If you enter *0* or a value less than *15*, the system displays an error message.
- Even when auto-refresh is disabled, you can manually refresh data using the **Refresh** icon.

## Configure auto-refresh idle timeout

To define how long the system should wait before pausing automatic refresh due to inactivity, follow these steps:

1. Open the **Shop Floor Production Setup** page.
2. In the **Auto Refresh Idle Timeout** field, enter a value between *5* and *30* (in minutes).

Auto-refresh stops after the specified idle time. To resume automatic refresh, interact with the **Shop Floor Production** page or its associated pages, or manually refresh the data.



## Manual refresh

You can use the **Refresh** icon that allows you to manually update data on any page. This ensures that the most recent information is retrieved from Business Central without waiting for an automatic refresh.

 Note

The **Refresh** icon is available on all pages except the **Register Input** and **Register Output** pages.



# Migrate from Aptean Shop Floor Production Power App

Article • 11/26/2025 • 4 min read

You can smoothly transition from the current Shop Floor Production Power App to the new Shop Floor Production (BC).

Before you migrate, we suggest that you complete all production orders and disable the work centers in the Shop Floor Production Power App. The following procedure outlines the migration process.



1. Select the Search icon  , enter **Shop Floor Production Setup**, and then choose the related link.

The **Shop Floor Production Setup** page opens.

2. On the settings icon, select **Personalize**.

3. Search for **Enable SFP in BC** toggle, drag and drop it on the page.

This toggle is editable when:

- The status of all the production orders in the Shop Floor Production Power App has the status of *Finished*.
- All work centers are stopped, ensuring that the required quality checks are created.
- The Aptean Quality Control Power App is installed and integrated instead of the Aptean Quality Control (BC).

## Note

It is suggested that the Aptean [Quality Control \(BC\)](#) is installed as Quality Control (Power App) is not supported with this version of Shop Floor Production (BC).

- There are unposted entries on the Aptean **Shop Floor Production Time Entries** page.

When the **Enable SFP in BC** toggle on the **Shop Floor Production Setup** page is turned on, the system will display a confirmation message to ensure that all work centers in the Power App version of SFP are stopped beforehand to avoid missing any quality checks. It is important to note that once this option is enabled, switching back to the Power App version of SFP will no longer be possible, and the user will be prompted to confirm their action before proceeding.

The following confirmation messages are displayed when the **Quality Control Extension** field is set as *Quality Control Power App*.

- *This option cannot be turned on because the Quality Control in Power App is currently active, and it's not supported by Business Central version of SFP. To proceed, switch to Quality Control in BC.*
- *Ensure that Quality Control in BC is installed, as Quality Control in Power App is not supported. Do you want to continue?*



When you install the Aptean Shop Floor Production (BC), you cannot migrate back to the Aptean Shop Floor Production Power App. Additionally, you cannot use Aptean Quality Control Power App, instead you can use only the Aptean [Quality Control \(BC\)](#).

Once enabled, the system will transfer user information from the Office365 User table to the Shop Floor Users table. However, work instructions from SharePoint will not be transferred and must be migrated manually.

## Set up and migrate work instructions

You can set up and migrate work instructions into the shop floor production module. It enables management and access to documentation, streamlining production processes and ensuring instructions are readily available for specific items or work centers.

For more information, see [Work instructions](#).



# Routing Line for Labor Costs

Article • 9/16/2024 • 4 min read

In the Shop Floor Production, the duration of a routing line in the status Start-up, Production and Failure is registered as time registration entries. These entries are sent to Dynamics 365 Business Central and it is possible to post these time entries as capacity costs. Capacity costs are the costs that are associated with internal labor and machine costs. These capacity costs will be registered for the setup time and production time.

The machine costs for the setup time are calculated by the total duration of time entries for a routing line in the status 'Start-up', for the production time the total duration of all time entries with the status 'Production' are used.

The labor costs for the setup time are calculated by the total duration of all time entries for a routing line in the status 'Start-up' times the number of operators who worked on it. This also applies to the calculation of labor costs for the production time, using the total duration of the time entries with the status 'Production'.

Machine costs are posted directly on the linked work center, for the labor costs a separate work center must be created. This work center must be added to the routing and linked to the routing line to which the labor costs apply.



1. Select the Search icon  , enter **Routings**, and then choose the related link.
2. Select and click the required **No** from the Routings list to open the **Routing** page.
3. In the **Operation No.** field, enter the operation number for the specified routing line.
4. In the **Routing Line Labor Cost** field, select the required **Routing No.**

When capacity entries are created for labor costs, these will be posted on the routing line linked as routing line labor cost.

## ⚠ Important

The last routing line for a Production Order Line should be used to Show in Shop Floor. Only one Show in Shop Floor Routing Line is supported per Production Order Line.

The Labor Routing Line should be linked to this Show in Shop Floor Routing Line and only one Labor Routing Line is supported per Production Order Line.

In relation to the PRM integration, only the main item may have a Show in Shop Floor Routing Line and/or Labor Routing Line Setup. This doesn't apply for the Co-Product or Unplanned Output Lines.

SFP v2.0 supports scenarios involving multiple routing lines. However, it's important to note that the output quantities are posted only on the last routing line. In cases where it's not the last routing line, the system will generate a capacity ledger entry, aligning with the standard behavior of Business Central.



# Create a production order

Article • 6/4/2025 • 2 min read

When all setup is done, a production order can be created to use in the Shop Floor Production. The production order is shown in the Shop Floor Production if it meets the following points:

- The production order has the status *Released*.
- The **Show in Shop Floor** toggle on the work center card is turned on for the work centers linked in the routing of the production order and also it will be last routing line in the production order line.
- The user who has logged in to the Shop Floor Production is linked to the work centers linked in the routing of the production order.

If the status of a production order with the status 'Firm Planned' or 'Planned' will be changed to the 'Released' status, the system does several checks and add some extra data that is required for the Shop Floor Production. The system performs the following checks when changing the status of a production order to 'Released':

- In the **Inventory Setup**, if the **Location Mandatory** is true, check whether the Location is filled in the Prod. Order Line and Component lines.
- In the **Location Setup**, if the **Bin Mandatory** is true, check whether the Bin Code is filled in the Prod. Order Line.

These checks are performed after changing the status of the production order to 'released'. When creating a released production order immediately and the location and/or bin code is required, an error occurs when registering the output or consumption.

The system also fills the predefined lot number in the production order Line with the next lot number from the lot no. series from the Item card. If no lot no. series exists, the system will give an error.

## Note

The shop floor production accepts the production orders with the **Source Type** field value set as *Item, Sales Header, or Family*.



# View the status of a released production order

Article • 10/22/2025 • 2 min read

You can access the Shop Floor Production Order Status page from the **Released Production Order** page. You can also view shop floor production order status for each line type individually.

The following procedure describes how to perform this activity.



1. Select the Search icon  , enter **Released Production Orders** and then choose the related link.

The **Released Production Orders** page opens.

2. Select the preferred **No.**

The **Released Production Order** page opens.

3. On the **Lines** FastTab, select **Line > Routing**.

The **Prod. Order Routing** page opens.

4. Select the preferred **Operation No.** and then select **Shop Floor Production Status** on the action bar.

The **Shop Floor Production Status** page opens.

This page displays the status of the production orders associated with the defined entry in the **Prod. Order Routing** page.

5. In the **Total Production Time in Hours** field, enter the total production time in hours. The value is automatically calculated by dividing the total production time in minutes by 60.

6. In the **Total Production Time in Seconds** field, enter the total production time in seconds. The value is automatically calculated by multiplying the total production time in minutes by 60.



# Shop floor production registration entries

Article • 10/22/2025 • 15 min read

When consumption and/or output registrations are made in the shop floor production, they are recorded in Business Central as consumption and/or output registrations.

When all entries are posted for a production order, the production order can be finished in Dynamics 365 Business Central. When the status of a production order is changed which have existing unprocessed shop floor registration entries entry type Time, an error is shown.

## Shop floor production time entries

Shop floor production time entries will be created when the user selects one of the following production routing status in the Shop Floor Production:

- Start-up
- Production
- Failure

When a production routing status is selected in shop floor production, a time entry is created and the start time is recorded. When the status changes, the end time is automatically filled.



Select the Search icon  , enter the **Shop Floor Production Time Entries**, and then choose the related link.

All created time entries are shown.

You can also access Shop Floor Production Time Entries from Released Production Order. The following procedure describes how to perform this activity.



1. Select the Search icon  , enter **Released Production Orders** and choose the related link.

The **Released Production Orders** page opens.

2. Select the preferred No.

The **Released Production Order** page opens.

3. On the action bar, select **Related > Order > Entries > Time Entries**.

The **Shop Floor Production Time Entries** page opens.

You can view the following details associated with the defined released production order.

Field	Description
Entry No.	Specifies the number of the production time entry.



Prod. Order No.	Specifies the number of the production order related to this entry.
Prod. Order Line No.	Specifies the line number of the production order that is related to the entry.
Operation No.	Specifies the number of the production operation related to the entry.
Work Center	Specifies the number of the work center that is related to this entry.
Work Center Name	Specifies the name of the work center that is related to this entry.
Machine Center	Specifies the number of the machine center that is related to this entry.
Number of Operators	Specifies the number of operators who worked on the production order.
Shop Floor Control Status	Specifies the status of the production order routing line that is related to this entry.
Starting Date Time	Specifies the starting date and starting time of this time entry.
Ending Date Time	Specifies the ending date and ending time of this time entry.
Duration in Hours	Specifies the duration of this time entry in hours. This is the time that the routing line had the specific Shop Floor Production Status.
Duration in Seconds	Specifies the production time duration in seconds. The system automatically calculated by multiplying the duration in minutes by 60. If the <b>Duration in Minutes</b> field is left blank, this field also remains blank.
Duration in Minutes	Specifies the duration of this time entry in minutes. This is the time that the routing line had the specific Shop Floor Production Status.
Labor Duration in Hours	Specifies the labor duration of this time entry in hours. This is the total time that the operators have worked on a routing line in a specific status.
Labor Duration in Minutes	Specifies the labor duration of this time entry in minutes. This is the total time that the operators have worked on a routing line in a specific status.
Labor Duration in Seconds	Specifies the labor duration in seconds. The system automatically updates this field value based on the <b>Labor Duration in Minutes</b> field value.
Posted	Specifies if a Production Registration Entry has been created.



Production Registration Entry No.	Specifies the Production Registration Entry No. in which the Time Entry is processed to post as Capacity Cost.
Production Registration Labor Entry No.	Specifies the Production Registration Entry No. in which the Time Entry is processed to post as Capacity Labor Cost.
Corrected	Specifies if the time entry was corrected in Business Central.
Item No.	Specifies the number of the item that is related to this entry.
Item Description	Specifies the description of the item related to the entry.

 **Note**

The entries will be displayed only if the **Show in Shop Floor** toggle is turned on in the associated **Work Center Card** page.

1. On the action bar of the **BC Time Entries** Subpage, select **New**.

The **BC Time Entries** page opens.

 **Note**

The **BC Time Entries** Subpage is only visible when the **Shop Floor Production Time Entries** are accessed from the **Released Production Order** page.

The **BC Time Entries** subpage is only visible when there are existing entries on the **Shop Floor Production Time Entries** for the associated **Released Production Order**.

Once the **Posted** checkbox is selected in the **Shop Floor Time Entries**, you cannot edit the time entries, whereas to register further operations, you can create a new entry in **BC Time Entries**.

2. On the **General** FastTab, fill in the following fields.

Field	Description
Entry No.	Specifies the number of the production time entry.
Prod. Order No.	Specifies the number of the production order related to this entry. It gets inherited from the specified released production order.
Prod. Order Line No.	Specifies the line number of the production order that is related to the entry.
Operation No.	Specifies the number of the production operation related to the entry.
Work Center	Specifies the number of the work center that is related to this entry. The value is inherited from the production routing line associated with the production order.



Work Center Name	Specifies the name of the work center that is related to this entry. The value is inherited from the production routing line associated with the production order.
Machine Center	Specifies the number of the machine center that is related to this entry. The value is inherited from the production routing line associated with the production order.
Number of Operators	Specifies the number of operators who worked on the production order.
Shop Floor Control status	Specifies the status of the production order routing line that is related to this entry.
Starting Date Time	Specifies the starting date and starting time of this time entry.
Ending Date Time	Specifies the ending date and ending time of this time entry.
Duration in Hours	Specifies the duration of this time entry in hours. This is the time that the routing line had the specific Shop Floor Production Status. This value is calculated automatically based on the starting date time and ending date time. This field cannot be edited.
Duration in Seconds	The system displays the production time duration in seconds in this field. The value is automatically calculated by multiplying the duration in minutes by 60. If the <b>Duration in Minutes</b> field is blank, this field value also remains blank.
Duration in Minutes	Specifies the duration of this time entry in minutes. This is the time that the routing line had the specific Shop Floor Production Status. This value is calculated automatically based on the starting date time and ending date time. This field cannot be edited.
Labor Duration in Hours	Specifies the labor duration of this time entry in hours. This is the total time that the operators have worked on a routing line in a specific status. This value is calculated automatically based on the starting date time, ending date time, and number of operators. This field cannot be edited.
Labor Duration in Minutes	Specifies the labor duration of this time entry in minutes. This is the total time that the operators have worked on a routing line in a specific status. This value is calculated automatically based on the starting date time, ending date time, and number of operators. This field cannot be edited.
Labor Duration in Seconds	The system displays the labor duration in seconds in this field. The value is automatically calculated by multiplying the <b>Labor Duration in Minutes</b> field value by 60.
Posting Date Method	Determines how the <b>Posting Date</b> is populated on the <b>Capacity Ledger Entries</b> and <b>Shop Floor Production Registration Entries</b> pages.



Posting Date	Select the date to post the production manually in the <b>Posting Date</b> field on the <b>Capacity Ledger Entries</b> and <b>Shop Floor Production Registration Entries</b> pages. The <b>Posting Date</b> field is visible when the <i>Manual</i> option is selected in the <b>Posting Date Method</b> field.
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The available options are:

- *Work Date*: The system uses current work date as the posting date.
- *Ending Date*: The system uses the end date as the posting date.
- *Manual*: Enter the posting date in the **Posting Date** field manually.

## Post shop floor production time entries

When the Production Time Entries are created, you can post these as capacity entries. To be able to post the time entries the **Post Time Shop Floor** Checkbox on the **Shop Floor Production Setup** page must be turned on.



1. Select the Search icon , enter **Post Shop Floor Production Time Entries**, and then choose the related link.

The **Post Shop Floor Production Time Entries** report page opens.

2. On the **Options** FastTab, turn on both the **Process Time Entries** and **Post Shop Floor Production Registration Entries** toggles to combine all the time entries with **Entry Type** as *Time* into Shop Floor Production Registration Entries. Subsequently, these merged entries will be posted as Capacity. This reflects the available resources or capacity in your system.

Alternatively, turn on only the **Post Shop Floor Production Registration Entries** toggle, which instructs the system to specifically identify unposted Shop Floor Production Registration Entries with **Entry Type** as *Time* and **Status** as *Not Processed*. Then, the system will proceed to post all the entries as Capacity.

### Note

The system throws errors during the initial posting of time entries because of missing setup information (e.g., General Ledger accounts). This can result in unposted Shop Floor Production registration entries with the *Not Processed* status. The **Post Shop Floor Production Registration Entries** toggle enables you to post unprocessed entries.

3. On the **Filter** FastTab, set filters based on which time entries should be posted.

4. Select **OK**.

After posting the time entries, a Shop Floor Registration Entry of type Time is created. This entry is posted as a capacity entry by means of an item journal.

You have two possibilities while posting time in shop floor:



- If you select **No**, then time entry will be shown in Business Central in the production order and can be used for reporting purposes. The registered time is not posted as a capacity entry
- If you select **Yes**, then the time will be posted as a capacity entry. This requires a special setup of the Routing:
  1. First, create one or multiple Labor Work Centers. *Show on Shop Floor* must be false.
  2. The efficiency factor of this labor work center must have a high value, so the run time of this operation doesn't influence the lead time of the production order.  
Alternatively, you can work with parallel routings.
  3. Add the labor work center as a separate line to the routing, but don't do this on the last line of the routing. The last line is always used for registering the output in the inventory and this must contain the work center that is shown in the Shop Floor Production.
  4. Create a link to the Labor Work Center in the routing line which contains the Work Center which is shown in the Shop Floor Production in the field *Routing Line Labor Cost*.

The time entry is created automatically in Business Central, but posting has to be done manually or by scheduling the report as a recurring job queue entry. You can't change a production order to Finished before capacity is posted (if *Post Time in Shop Floor* is set as yes).

 **Note**

If you also use the [Aptean Food and Beverage License Plating](#) extension, the Job Queue copies the entry to the Shop Floor Registration table, including the License Plate No.

While creating Item Journal Output or Item Journal Consumption record, if the item is license plate tracked, then the Item Tracking line will also contain the License Plate No.

The **Posted** checkbox on the **Shop Floor Production Time Entries** page is only selected for the *Start-Up* and *Production* operations of the associated **Released Production Order**.

## Post capacity for time entries

The Shop Floor Production Registration Time Entry allows recording the time dedicated to production time for each cost calculation. Linking the costs to the recorded time ensures accurate financial tracking and auditing.

1. Create a **Released Production Order** in Business Central.
2. **Register** the time by changing its status after a few minutes.
3. **Finish** the open order.
4. Run the **Post Shop Floor Production Time Entries** report in Business Central to process the created time entries as Shop Floor Production Registration Entries and then post them via the **Output Journal** as Capacity Costs.



 Note

The report will skip the **Shop Floor Production Registration Entries** created for time entries that have already been posted.

5. Time entry shows the **Shop Floor Production Registration Entry No.** and **Shop Floor Production Registration Entry Labor No.** of the entries that have been created.

The **Total Set-Up** and **Run-Time** of the combined Time Entries for the **Set-Up** and **Production Time** are also created.

Now, the time entries with the **Shop Floor Production Registration Entry No.** and **Shop Floor Production Registration Entry Labor No.** are created, and the **Capacity Ledger Entries** based on the setup are posted.

 Note

You can run the report manually when it is scheduled for the *Job Queue* processing.

The report can only be executed when the **Post Shop Floor Production Registration Entries** toggle is turned on. This condition ensures that entries can be posted after corrections have been made on the Shop Floor Production Registration Entry Type. For example, **Entry Type** as *Time* which was previously in an error state has now been reset to the status of *Not Processed*. When the **Post Shop Floor Production Registration Entries** toggle is turned on, the report will not generate any new **Registration Entries**. Instead, it will solely post the Shop Floor Production Registration Entry Type as *Time* that will be pending as capacity.

 Note

If you run the **Post Shop Floor Production Time Entries** report in Business Central after manually creating **BC Time Entries** with the status *Production* and *Start-up*, the system creates **Capacity ledger Entries** accordingly. For more information, see [Post Shop Floor Production Time Entries](#).



# Use of number series

Article • 8/12/2025 • 1 min read

On the **Shop Floor Production Setup** page, on the **Posting** FastTab, in the **Production Registration Entry No.** field, select or enter the required value.

This value defines the number series for creating shop floor production registration entries based on time entries. Use a unique number series (for example, a–z or A–Z).



# Error handling

Article • 9/16/2024 • 2 min read

While handling the **Shop Floor Registration Entries** to post the time as Capacity, they run into an error. Depending on the cause of the error, the **Item Journal Line** will not be created, or posted.

## Note

The cause of the issue is visible in the **Error Text** field on the **Shop Floor Production Registration Entries** page. Then, while posting, the failed **Item Journal Lines** will be moved to the **Output Error Journal**. After resolving the cause of the error, you can post the **Error Journal**. In this case, the Shop Floor Production Entries will be changed to status *Processed*, and the Capacity will be posted.

1. You can also delete the lines from the **Error Journal**. In this case, the Shop Floor Production Registration Entries will be changed to the status *Not Processed*, and the **Post Shop Floor Production Time Entries** report can be run again with the **Post Shop Floor Production Registration Entries** toggle turned on. This report will post all the **Shop Floor Production Registration Entries** with the status *Not Processed*. As a result, the status will be changed to *Processed*, and the Capacity will be posted.
2. When the error blocks the creation of the **Item Journal Line**, the status of the lines can be changed back to *Not Processed* after resolving the error. Then, the **Post Shop Floor Production Time Entries** report can be run again with the **Post Shop Floor Production Registration Entries** toggle turned on. This report will post all the **Shop Floor Production Registration Entries** with the status *Not Processed*. As a result, the status will be changed to *Processed*, and the Capacity will be posted.

## Note

- If an error occurs during creating the item journal line, a roll back will be done and the number of attempts will be increased in the Production Registration Entry. Three attempts are made before the status of the entry changed to Error. After resolving the error journal batch, post the **Item Journal** manually. The status in the Production Registration Entry will be changed to *Processed*.
- You can change the status of the entries by performing the **Change Status Processed** action on the **Shop Floor Production Registration Entries** page.



# Production order routing lines status

Article • 9/16/2024 • 2 min read

In the Shop Floor Production, you can indicate the status of the production order routing line. The production order information of all released production orders with the status the routing line is currently in from the Shop Floor Production.



Select the Search icon  , enter **Prod. Order Routing Status**, and then choose the related link.

The routing line information of all released production orders with the current status from the Shop Floor Production are shown. The current status of the routing line is also shown on the production order routing line page in the production order.

## Note

The **Capacity Ledger Entries** are updated with each Routing Line to track resources, such as labor hours, machine usage, and overhead costs from previous operations. However, the **Item Ledger Entries** are updated only against the final Routing Line.



# Shop floor production order status

Article • 9/16/2024 • 3 min read

You can see the status of any released production order on the Shop Floor Production Status page. This page gives an overview and the latest routing status regarding the associated released production order. The following procedure describes how to perform this activity.



Select the Search icon  , enter **Shop Floor Production Status** and then choose the related link.

The **Shop Floor Production Status** page opens.

The following fields are displayed on this page:

Field	Description
<b>Entry No.</b>	Specifies the number of the production status entry.
<b>Prod. Order No.</b>	Specifies the number of the production order related to this entry.
<b>Prod. Order Line No.</b>	Specifies the line number of the production order that is related to the entry.
<b>Item</b>	Specifies the default name assigned to the item on related documents such as orders or invoices. This description can be translated to show up in the language of the customer or vendor.
<b>Description</b>	Specifies the description of the defined item.
<b>Operation No.</b>	Specifies the number of the production operation related to the entry.
<b>Number of Operators</b>	Specifies the number of operators who worked on the production order.
<b>Shop Floor Control Status</b>	Specifies the status of the prod. order routing. This status is set up in the Shop Floor Production app.
<b>Starting Date Time</b>	Specifies the starting date and starting time of this time entry.
<b>Ending Date Time</b>	Specifies the ending date and ending time of this time entry.
<b>Recurring Value</b>	Specifies the recurring value of this time entry.
<b>Total Production Time in Minutes</b>	Specifies the total production time in minutes of this time entry. This is the time that the routing line had the specific Shop Floor Production Status.
<b>Quality Trigger Recurring Check</b>	Specifies the quality trigger recurring check of this time entry.



Work Center No.	Specifies the work center number associated with the time entry.
Total Output Quantity	Specifies the total output quantity of this time entry.
Failure Code	Specifies the code stating the reason behind the failure of the Released Production Order.
Failure Text	Specifies the descriptive text that accompanies the failure code. It provides further details regarding the failure code.

 Note

The value of **Failure Code** and **Failure Text** fields are in sync with **Shop Floor Production Time Entries** associated with the **Released Production Order**.



# View the released production orders in a work center/machine center

Article • 4/23/2025 • 3 min read

In the Shop Floor Production, you can view and manage released production orders for specific work centers.



1. Select the Search icon , enter **Shop Floor Production**, and then choose the related link.

The **Work Centers** list page opens. It displays the names of all the work centers, their statuses and the number of production orders associated with each work center.

 **Note**

Only the work centers with the **Show in Shop Floor** toggle (on the work center card) turned on are displayed. If the **Status/Progress** field value is set to any values other than *Not Started* or *Finished* for any of the associated production orders listed in that work center on the **Production Orders** page of shop floor production, the **Show in Shop Floor** toggle cannot be turned off.

2. Select the desired work center **Name**.

The work center name is populated from the work center card description. If no description is added, the system will display the work center code on the list page.

The **Production Orders** list page opens.

When a work center has associated machine centers, selecting the work center will display a list of those machine centers.

The production orders list page displays the following fields:

Field	Description
Starting (grouped)	Specifies the starting date and time of the production order based on the system date and range set by the date filter in the <b>Date Formula Show Prod. Order</b> field on the <b>Shop Floor Production Setup</b> page.
Prod. Order / Quantity	Specifies the production order number, quantity represented in related unit of measure code and the batches associated with the selected work center.
Description / Item	Specifies the description of the production order and the item number associated to the production order.
Status / Progress	Specifies the status of the production order. The available statuses are <i>Not Started</i> , <i>Started</i> , <i>Production</i> , <i>Paused</i> , <i>Failure</i> , <i>Stopped</i> , and <i>Finished</i> .



When you turn on the **Show finished orders** toggle, you can view the finished production orders in addition to all the other production orders with different statuses.

3. Select the desired production order.

The production order card page opens.



# Production order overview

Article • 9/16/2024 • 1 min read

The production order page provides an overview of the selected production order.

The tile on the production order page displays the item number, item description, planned start-end date and comments associated with the production order.

## Display barcode or QR code

The production order displays the barcode or QR code of the associated order based on the value defined in the **Display Barcode on Production Order Screen** on the **Shop Floor Production Setup** page.

## Number of operators

To record time entries for labor costs, it is important to indicate how many operators (employees) are working on the order. By default, one employee is selected.

You can click the plus or minus icon to enter the number of employees working on the order. You can change the number of operators when the production order routing status is *Not started*, *Paused*, or *Stopped*.



# Setting the status of the production order

Article • 9/16/2024 • 2 min read

The status of each production order routing line can be tracked and communicated to Shop Floor Production (BC), ensuring it is always up to date.

The duration spent in *Start-Up*, *Production*, or *Failure* is tracked and saved as time entries, which are sent to Shop Floor Production (BC). These entries can be used for information or posting capacity entries.

You can select statuses like *Production*, *Pause*, *Failure*, and *Stop*. The duration for *Start-up*, *Production*, and *Failure* will be shown in hours and minutes.

Status	Description
Start-Up	This is the default status of any production order. You can change the status to any other statuses.
Production	You can change the status from Production to any other statuses except Start-Up.
Pause	You can change the status to any other statuses.
Failure	You can change the status to any other statuses. But the system will prompt you to enter the cause of the failure as remarks. To know more, see Track and record production failure.
Stop	You can change the status from <i>Stop</i> to any other status, except <i>Pause</i> . Once you stop production, the system will prompt you to confirm the order is finished.



# Generate reports

Article • 12/9/2024 • 2 min read

You can generate reports directly from the **Shop Floor Production** page to monitor and manage various aspects of production, including work in progress, material requirements, shortages, and periodic batch activities.

Follow the below steps to generate the reports.

1. Open the **Shop Floor Production** page.
2. Navigate to the desired production order.

The system displays options on the action bar to generate reports based on the configuration set in the **Default Report Selection** field on the **Shop Floor Production Setup** page. The **PRINT JOB CARD** button is displayed by default.

3. Select **PRINT JOB CARD**.

The system automatically opens the **Production Order Report** page.

After specifying the necessary details and printing the report, you can view the work in progress for the production order, including information on output, scrapped quantities, and production lead times for each operation.

4. To open a different report, select the dropdown, and choose from the following options:

- **PRINT MAT. REQUISITION:** Access a comprehensive list of material requirements for each production order. The report includes the production order status, the quantities of end items and components needed, and their required quantities.
- **PRINT SHORTAGE LIST:** View a detailed list of missing quantities for each production order. The report outlines how inventory levels are planned to develop from the current date to the specified end date, including the status of open orders.
- **PRINT BATCH WORKSHEET:** Perform periodic activities where batch jobs handle calculations such as determining the time between batches, adjusting, and calculating unit measures. The system displays an error if the selected production order is not configured for batch production.

## Note

The **PRINT BATCH WORKSHEET** option is visible only when the Aptean [Process Manufacturing](#) and Aptean [Reporting](#) extensions are installed.



# Registration of input

Article • 10/22/2025 • 11 min read

You can register the input for the production order in the shop floor production. The **Input** page displays all the items from the BOM associated with the production order.

Select the **Input** cues on the production order.

This cue provides the percentage of the input items registered for the production order and flushing method associated with it.

On the **Shop Floor Production** page, the component lines are consumed based on their flushing method, which is configured on the **Item Card** page and reflected in the production order component lines. Flushing methods are broadly classified into:

- Manual: Requires input registration by the user.
- Automatic: Includes methods like backflush and consolidated consumption, which are handled through system processes.

Items marked for consolidated consumption are consumed through a batch process using the **Calculate Consolidated Consumption** page and are not eligible for manual registration. To improve visibility, such lines are displayed in the **Automatic** or **Consolidated** group on the **Input** page, similar to backflushed items.

## Note

The system displays “–” on the **Input** tile when all items are set to automatic flushing, indicating 0% completion. If any items in the production order are set to manual flushing, the completion percentage will be calculated based on the registered input.

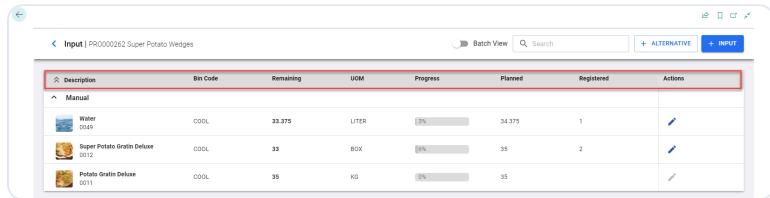
The automatic flushing method includes *Backward*, *Forward*, *Pick + Forward*, and *Pick + Backward*. As these are not used in input registration, the number of available items with the respective flushing method are displayed.

The **Input** page displays the following fields:

Field	Description
Description	Specifies the description of the item.
Bin Code	Specifies the bin code associated with the production order component line.
Remaining	Specifies the remaining quantity of the item after registering the input. This is the difference between the <b>Planned</b> and <b>Registered</b> field values. When the registered value is greater than the planned value, the remaining field is updated as 0.



UOM	Specifies the unit of measure code based on the value of the <b>Item Card</b> page.
Progress	Specifies the progress of the production order as a percentage. The percentage is calculated by dividing the registered value by the planned value and then multiplying the result by 100.
Planned	Specifies the quantity of the item configured in the <b>Quantity per</b> field on the <b>Production BOM</b> page. This value is multiplied by the <b>Quantity</b> field on the respective production order.
Registered	Specifies the quantity of items registered on the <b>Input</b> page through the <b>Input</b> action.
Actions	Includes options to edit the input line. When you click the <b>Edit</b> icon, the <b>Correct Consumption</b> dialog opens, allowing you to modify the consumption details. The <b>Edit</b> icon is only accessible for items with the flushing method set to <i>Manual</i> . If no consumption has been recorded for an item, the <b>Edit</b> icon will be disabled.



## To correct consumption entries

You can correct consumption entries for manually flushed items. By selecting the **Edit** icon, you can view and manage all consumption entries, including deleting an entry (complete undo) or making specific edits.

Follow the steps below to correct the consumption entries.

1. Open the **Input** page.
2. Select the **Edit** icon.

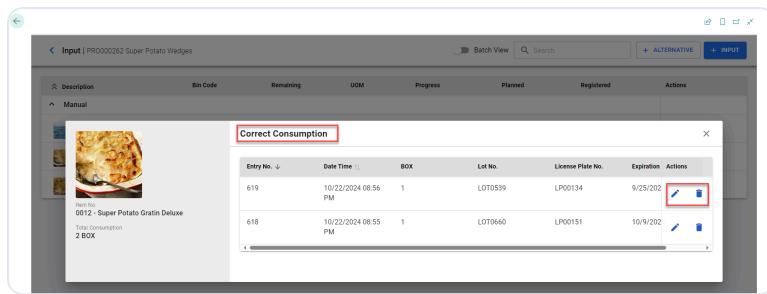
The **Correct Consumption** dialog opens, displaying a list of all consumption entries for the selected item.

### Note

If only one consumption entry exists, the system automatically opens the **Correct Consumption** dialog.

Each entry includes the following options:





- **Edit icon:** Select the **Edit** icon for the entry you want to modify. The system will open the **Correct Consumption** dialog for the selected entry, allowing you to update quantities and other details. The **Qty. to Subtract** field is automatically filled based on the original consumed quantity.

Additionally, in the **Leftover Quantity** field, you can enter the desired leftover quantity directly.

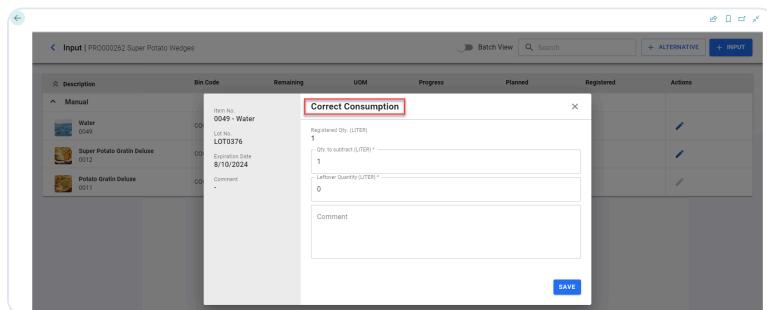
## ! Note

The system sets the **Leftover Quantity** field to zero by default. You can update this field as needed, and the **Qty. to Subtract** field is automatically updated.

The **Qty. to Subtract** field automatically adjusts to reflect the change, ensuring *Qty. to Subtract + Leftover Quantity = Total Quantity Consumed*.

## ! Note

Corrections will automatically apply to the same license plate used in the original consumption entry for license plate-tracked items.



- **Bin icon:** If you select the **Bin** icon, a confirmation message appears stating that the action will undo the entire consumption item ledger entry. If you proceed, the system creates a correction in the item ledger, fully reversing the selected consumption entry.

The license plate number, lot number, and expiration date details are automatically populated based on the item tracking setup.



 Note

If you attempt to correct a quantity greater than the consumed quantity for the selected entry, the system will display an error message.

- Select **Save** to apply the correction.

 Note

The system will validate the consumption correction for non-license plates (lot-tracked) items.

The system creates a new item ledger entry for the adjusted quantity and update the remaining, progress, and registered quantities on the **Input** list page.

When you select the **ALTERNATIVE** action, an **Add Alternative Item** dialog opens where you can add an alternative item for the items that are displayed on the **Input** page. You can also mention the quantity of the alternative item directly on the **Input** page.

This is applicable only when the Aptean [Process Manufacturing](#) extension is used in conjunction with the Aptean Shop Floor Production extension.

The system filters the component lines based on a single **Routing Link Code** field value defined on the routing lines on the **Input** tile, **Item** dropdown on the **Register Input** page, and **Item to be replaced** dropdown on the **Add Alternative Item** dialog.

You can perform registration of the input by selecting the **Input** action. You can also click any line on the **Input** page to perform the register input function.

 Note

You can perform the **Input** action only when the status of the selected production order is set to *Production*.

## Register consumption for a license plate

To consume all items on a license plate, follow these steps:

1. On the **Input** page, select **+ LICENSE PLATE**.  
The **Register License Plate** window opens.
2. In the **License Plate No.** field, enter the desired license plate number.



 Note

You can specify how the system processes entire license plate consumption for production orders in the **License Plate Consumption Mode** field on the **Shop Floor Production Setup** page.

3. Select **SEARCH**.

If the entered number is invalid or empty, the system displays an error message.

If the license plate is valid, the system displays the license plate details for each item on the license plate, including:

- Item No.
- Description
- Lot No.
- Quantity
- Unit of Measure
- Expiration Date

4. Review the list and select **CONFIRM** to proceed with consumption or **CANCEL** to exit without changes.

After you confirm:

- Each item on the license plate is registered individually.
- If one or more items cannot be registered, those items are skipped. The system displays the items that failed to register along with the reason for each failure.

After processing is complete, the **Input** screen automatically refreshes to display updated quantities.

 Important

This functionality is not supported when using the Aptean Beverage [Advanced Warehouse Management](#) extension, Drink-IT Edition, is installed.

## Correct consumption with AWM license plates

You can correct the consumption of license plate-tracked items onto a different advanced warehouse management license plate. This enables flexibility in handling inventory adjustments during consumption corrections.



 Note

- Make sure to configure the *Aptean Beverage Advanced Warehouse Management for Drink-IT Edition* application name on the **Feature Control** page. For more information, see [Overview of feature control](#).
- Turn on the **Allow New License Plate in Consumption Correction** toggle on the **Shop Floor Production Setup** page.
- Configure the **Adv. Warehouse Setup** page and the **Advanced Warehouse Management** FastTab on the **Item Card** page. For more information, see [Setup advanced warehouse management](#).

To correct the consumption with the advanced warehouse management license plates, follow these steps:

1. Open the **Input** page for consumption.

2. Select the required record.

The **Register Input** page opens.

3. In the **License Plate No.** field, select the required value.

The dropdown displays the available advanced warehouse management license plates.

4. In the **Quantity** field, enter the required quantity for consumption.

5. Save the changes to register the input.

6. Once registered, you can correct the consumption for the registered input line by using the edit icon.

The **Correct Consumption** page opens.

7. In the **Qty. to Subtract** field, you can modify the value to correct the consumption quantity.

8. The **To License Plate** field displays the advanced warehouse management license plate number (original consumption license plate number) for which the input is registered.

9. You can also execute the **GET NEW LICENSE PLATE NO.** action to generate a new advanced warehouse management license plate number for the corrected consumption quantity.

The system sends a request to Business Central to generate a new license plate number.

10. Select **Save**.

The system corrects the consumption onto the original license plate first.

If a new license plate is assigned, the system creates an item reclassification journal transaction to move the corrected quantity to the new license plate.

The journal entry uses the template specified in the **Consumption Correction Reclassification Journal Template Name** field on the **Shop Floor Production Setup** page.

You can view the created entries for the corrected consumption on the **Detailed Warehouse Entries** page.



# Register input

Article • 6/4/2025 • 4 min read

The Register Input page displays the information of the individual item on the production BOM. The left navigation section displays the combined information of all data available for the selected item such as Batching, Location, Bin Code and so on.

You can enter the required information in the following fields:

1. In the **Item** field, select an item from the dropdown. All the items in a production BOM are available. Based on the item selected, the details associated with it are displayed on the left navigation.

 **Note**

The items with the **Flushing Method** field on the **Item Card** page set to Manual are only available in the dropdown.

1. In the **License Plate** field, select a license plate from the dropdown. This includes only the license plates associated with the selected item.

You can view this field only when the Aptean [License Plating](#) extension is installed in conjunction with this extension, the associated location supports license plate tracking, and the linked item is also a license plate tracked item.

2. In the **Lot No.** field, select a lot from the dropdown. This includes only the lots associated with the selected item.

The **Inventory**, **Expiration Date** and **Bin Code** field values get inherited based on the selection of value in the **Lot No.** field.

The **Lot No.** field is visible only when the linked item is lot tracked.

Consumption of items that are not lot tracked is not supported for locations where **Bin Mandatory** = True.

 **Note**

When selecting a non-lot tracked item or non-license plate tracked item to register, the **Bin Code** field is automatically populated with the bin code assigned to the component item.

- If the **Restrict Consumption Bin** toggle on the **Shop Floor Production Setup** page is turned off, you can change the **Bin Code** field value to any bin that has an existing bin content record for the selected item.
- If the toggle is turned on, the **Bin Code** field is non-editable.

3. In the **Quantity (UOM)** field, enter the quantity of the item you want to register as input.

When this registered value differs from the planned value, the differences are represented in the Registered field value with following colour code:

Grey – Indicates that the registered field value is less than or equal to the planned field value.



*Orange* - Indicates that the registered field value is greater than the planned field value.

This colour code is also applicable to the progress bar in the Progress field on the **Input** page.

The **Weight from scale (UOM)** and **Tare weight (UOM)** fields are updated based on the **Quantity (UOM)** field and the configuration on the **Production BOM** page.

 **Note**

The **Tare weight (UOM)** field value is set to *0* by default. You can also enter a non-zero tare weight if required. However, the system displays an error if the **Tare weight (UOM)** field value is less than *0*.

Execute the **GET WEIGHT** action to update the weight fields.

These fields are visible only when the Aptean [Weigh Scale](#) extension is installed with this extension and the input item's unit of measure matches the weigh scale unit of measure

The **Quantity Weight (UOM)** field is updated based on the quantity of the item and the field values associated to catch weight on the **Inventory** FastTab of the **Item Card** page.

4. In the **Comments** field, you can add any comments or details as additional information.

5. Select **Save** or **Save + New**.

Selecting **Save** will register the input and close the page, whereas **Save + New** will register the input and open a new **Register Input** page.

This is applicable only when the flushing method is set to manual.



# Register co-products as input

Article • 2/11/2025 • 2 min read

During production processes, co-products are often produced alongside the main output item.

You can view and register input components for both the main items and any associated co-products. This functionality ensures accurate tracking of materials consumed across production orders.

If the production of an output item also involves the generation of co-product(s), these co-product items can be configured within the Aptean [Process Manufacturing](#) extension.

Follow the steps below to register the input for co-products.

1. Open the **Shop Floor Production** page.
2. On the **Work Centers** page, select the appropriate work center.
3. On the **Production Orders** list page, the system generates entries for the main item and any associated co-products. However, the visibility of co-products as separate entries depends on their routing configuration.
  - If the routing number on the co-product line is filled, the co-product will have a separate entry on the **Production Orders** list page.
  - If the **Routing No.** field is blank, only the main item is displayed on the **Production Orders** list page, but the consumption and output of the co-product can still be accessed from the main item.

Then, select the relevant production order.

4. Select the **Input** tile.

If the routing number on the co-product line is filled, only the components for the co-product will appear with the co-product entry, and only the components for the main item will appear with the main item entry.

If the **Routing No.** field is blank, the components for the co-product will appear along with the main item's components, but they will be associated with the co-product.

The system displays a list of all components based on this routing configuration.

When an unplanned input item is consumed for a co-product using the **+ ALTERNATIVE** button, the system adds it beneath the corresponding co-product line.

5. Select the line item to register the input.  
For each input line, record the actual consumption.
6. Enter the required details on the **Register Input** page.
7. Save the input registration.  
For more information on registering the input, see [Register input](#).



 Note

Ensure the **Routing No.** field on the **Released Production Order** page has a defined value. If a routing line is defined for a co-product, the system considers it as a separate item rather than a co-product. In such cases, the **Shop Floor Production** page represents each output line as an individual production order entry.

Once consumption is registered, all input items, including those for co-products, are recorded.



# Registration of output

Article • 9/16/2024 • 2 min read

You can register the output for the production order in the Aptean Shop Floor Production (BC) extension. The **Output** page displays all the items associated with the production order available for output registration along with the expiration date and print function.

Select the **Output** cues on the production order.

This cue provides the percentage of the output items registered for the production order and the registered output quantity in the configured unit of measure code.

Field	Description
Date Time	Specifies the system time and date when the output is registered.
UOM	Specifies the unit of measure code in which the output is registered based on the configuration on the Item Card page.
Lot No.	Specifies the lot number associated with the item in output registration.
License Plate No.	Specifies the lot number associated with the item in output registration. This is visible only when the Aptean <a href="#">License Plating</a> extension is installed with this extension.
Expiration Date	Specifies the date of expiration of the output. This is based on the option selected in the <b>Output Expiration Date Calc.</b> field and the <b>Expiration Calculation</b> field values from the item card. This field is non-editable.
Actions	Includes functions to edit the output line and print them. If you click the edit icon, the <b>Correct Output Quantity</b> dialog opens where you can modify the registered quantity and also add comments to it. If you click the print icon, the system checks for the label printing functionality. This is applicable only when the Aptean <a href="#">Labeling</a> extension is installed with this extension. When performing an output correction for a catch weight item, the weight is determined based on the item's average weight and the item weight ledger entry is updated accordingly.

On the action bar, select **Output**.

The **Register Output** page opens.



# Register output

Article • 7/2/2025 • 5 min read

The **Register Output** page displays the information of the individual output item on the production order. The left navigation section displays the combined information of all data available for the selected item such as Batching, Location, Bin Code and so on.

## Note

On the **Item Card** page, on the **Replenishment** FastTab, enter the **Default Output Quantity (Base Unit of Measure)** field value, to register the output.

The Register output page registers both the output item and the capacity utilization by posting the capacity ledger entries. To know more, see [Shop Floor Time Entries](#) and [Posted Shop Floor Time Entries](#).

If there are multiple Routing Lines in the production order, then:

- For the Routing lines which are not the last work center/machine center, system will create only capacity entries
- For the Last work center/machine center, system create both the capacity entries and the output entries

You can enter the required information in the following fields:

1. On the **Production Orders** page, select **Output**.

The **Output** page opens.

You can view the output items and co-products details(if available) on the left pane.

2. Select an item and then select **+ OUTPUT**.

The **Register Output** page opens.

3. In the **Lot No.** field, you can enter a value, or it is automatically updated based on the option selected in the **Lot No. Per** field on the **Shop Floor Production Setup** page.

When you select the **GENERATE NEW NO.** action, the system will generate the lot number as per the setup.

## Note

The **Lot No.** field is visible only if the following conditions are met:

- The output item is lot tracked item
- The output work center/machine center is the last line on the routing of the production order.

4. In the **License Plate No.** field, select a license plate from the dropdown. This includes only the license plates associated with the selected item.

You can view this field only when the Aptean [License Plating](#) extension is installed in conjunction with this extension and the associated location and output item both are license plate tracked.



The **Shipping container** and **Expiration Date** fields are automatically updated based on the selection of lot number.

The **Expiration Date** field is updated when generating the lot number and the **Shipping Container** field is updated when generating the license plate number, only if the setup in the default packaging for the output item is correctly defined.

 **Note**

These fields are available only when the Aptean [SSCC](#) and [Expiration Management](#) extensions are installed.

5. In the **Quantity (UOM)** field, enter the quantity of the item you want to register as output.

When this registered value differs from the planned value, the differences are represented in the Registered field value with following colour code:

- Grey – Indicates that the registered field value is less than to the planned field value.
- Green- Indicates that the registered field value is equal to the planned field value.
- Orange - Indicates that the registered field value is greater than the planned field value.

The **Weight from scale (UOM)** and **Tare weight (UOM)** field values are updated based on the **Quantity (UOM)** field value.

 **Note**

The **Tare weight (UOM)** field value is set to 0 by default. You can also enter a non-zero tare weight if required. However, the system displays an error if the **Tare weight (UOM)** field value is less than 0.

6. Execute the **GET WEIGHT** action to update the weight fields.

These fields are available only when the Aptean [Weigh Scale](#) extension is installed.

7. Turn on the **Add Scrap Quantity** toggle to display the scrap quantity details on the **Output** page. You can add the scrap quantity in the **Scrap Qty.** field.

8. Select the **Print Label** checkbox to print this page.

This functionality is available only when Aptean Labeling extension is installed and configuration for the labels are done properly. Else, error occurs. To know more see Print labels.

9. In the **Comment** field, enter the additional information related to the output registered.

You can view all comments on the **Register Input** and **Register Output** pages from the **Shop Floor production Comments** list page.

10. Select **Save** or **Save + New**.

Selecting **Save** will register the output and close the page, whereas **Save + New** will register the input and open a new **Register Output** page.



## Register output with lot attributes

To register output and enter advanced lot attributes, follow these steps:

1. Open the **Shop Floor Production** page.
2. On the **Production Orders** list page, select the desired production order.
3. Select the **Output** tile.  
The **Output** list page opens.
4. Select the required entry to register the output.
5. On the **Output Registration** page, select or enter the lot number for the item.
6. Select the **ATTRIBUTES** button.  
The **Lot Attributes** page opens.
7. Review or update the list of attributes populated from the global lot attributes and the item's lot attribute template.  
For each attribute:
  - If the attribute is editable, enter or select a value using the provided input field.
  - If the attribute has a fixed value, the field becomes non-editable.
  - If the attribute has allowed values only, the system displays the options in a dropdown.
  - The attribute field values get updated automatically based on the changes in the production order lines.
8. Select **SAVE**.



# Register co-products as output

Article • 2/11/2025 • 2 min read

You can register the co-products as output when these items are produced alongside the main output item.

Depending on the routing setup on the **Released Production Order** page, co-products can appear as part of the main output or as separate production orders.

Follow the steps below to register the output for co-products.

1. Open the **Shop Floor Production** page.
2. On the **Work Centers** page, select the appropriate work center.
3. On the **Production Orders** list page, the system generates two entries for the main item and the associated co-products.  
Then, select the relevant production order.
4. Select the **Output** tile.

If the **Routing No.** field is not defined on the associated **Released Production Order** page, the system displays the main and co-product item(s) on the **Output** page.

5. Register the output.

For more information on registering the output, see [Register output](#).

The system updates the output percentage on the **Output** tile to indicate the progress of the main item and co-product.

6. Save the output registration.

The system updates the entries on the **Capacity Ledger Entries** page for the recorded quantities.

## Note

Labels cannot be printed for non-last routing lines.

If a routing line exists for the co-product, the system treats it as a separate item rather than a co-product. On the **Shop Floor Production** page, each co-product output is represented as an individual production order entry.

If the associated work center is defined as the last routing line on the **Prod. Order Routing** page, you can enter the following details on the **Register Output** page.

- Quantity (If applicable)
- Lot number (If applicable)
- Expiration Date (If applicable)
- License Plate No. (For lot tracked locations, if applicable)



The system updates the **Item Ledger Entries** page for the registered output in addition to the **Capacity Ledger Entries** page.



# View the production order details

Article • 6/16/2025 • 2 min read

The **PO Details** page provides an overview of the production order, including packaging information and customer details.

Select the **PO Details** cues.

On the **General** group, the following fields are displayed:

Field	Description
Item No.	Specifies the main output item in the production order.
Description	Specifies the description of the main item in the production order.
Variant Code	Specifies the variant (if applicable) of the main item in the production order.
Production Order	Specifies the number of the production order.
Order line No.	Specifies the routing line number used to define the work center to which it is associated.
Operation No.	Specifies the number assigned to each operation in the routing.
Routing description	Specifies the routing through which the production order is processed.
Location	Specifies the location where the production order is stored.
Bin Code	Specifies the bin code where the production order is stored.
Status	Specifies the status of the production order.
Quantity Planned	Specifies the number of items planned to be produced.
Quantity output registered	Specifies the number of finished items at the output registration.

If the Aptean [Packaging](#) extension is installed in Business Central, you can view the following fields on the **Packaging** group.

Field	Description
Packaging Code	Specifies the code associated with the package used in the production order. It also indicates whether the package is Item Bound or Order Bound.
Item No.	Specifies the item number and description associated with the selected packaging code.



Total needed	Specifies the total number of packaging items required for the selected production order.
Items Per Packaging	Specifies the number of items that can be accommodated per package for the associated order.

The **Customer** group displays the information of the customer associated with the production order.



# Process production orders with family profile

Article • 5/7/2025 • 2 min read

You can perform shop floor activities for production orders that use the *Family* source type or items with a family profile on the **Shop Floor Production** page in Business Central, the same way you process other production items.

To process production orders with a family, see [Create production document with family](#).

When you process a production order that uses the *Family* source type, the system treats related items as a group. This simplifies production management and standardizes how information appears across the application.

- On the **Production Orders** list page, the system displays one line for the entire family-based production order. All outputs are processed in the same order.
- On the **PO Details** page,
  - Certain field values, such as **Variant** and **Order Line No.**, are not applicable to family orders and are displayed as “–”.
  - Packaging information is displayed for all items within the family.
- Work instructions apply to all items in the family and cover all variants.
- Input items appear as one line only if they're defined as components on the family record. If the same input item, such as *Milk*, is listed separately for each output item and not on the family record, it appears multiple times, once for each output. To streamline the input view and avoid duplicates, add it as a component on the **Family** page.
- Components of a specific item in the family are also listed.
- The name of the finished good appears in the component description.

Avoid the following actions when working with family-based production orders. These actions aren't supported and result in errors in the shop floor.

- Adding unplanned outputs, co-products, or manual production order lines.
- Registering time for capacity on the **Shop Floor Production** page. The shop floor production time entries are not recorded for family orders completed through shop floor production.



# Work instructions

Article • 11/6/2025 • 3 min read

Work instructions are essential resources for the Aptean Shop Floor Production (BC) extension and are primarily designed to be managed and stored within SharePoint. The system connects to SharePoint via app registration in the Azure portal, which acts as a bridge using a client ID and client secret. These instructions can be associated specifically with items or work centers within the Business Central environment, allowing them to be displayed based on operational requirements.

## Difference between delegated and application permissions

In the Microsoft identity platform, permissions govern how applications gain access to protected resources, such as email or calendar data. Applications can access organizational data in two primary modes.

### Delegated permissions

Delegated permissions (access on behalf of a user) are used in the delegated access scenario, where a client application accesses resources on behalf of a signed-in user.

Aspect	Details
Identity Context	The application acts on behalf of a signed-in user.
Other Names	Scopes or OAuth2 permission scopes.
Authentication	Requires the user to sign in and grant consent (OAuth 2.0 Authorization Code Flow).
Permission Scope	The access of the application is determined by two factors: the delegated permissions or scopes granted to the client application, and the existing privileges of the signed-in user for the resource. The application cannot access any data or resource beyond what the user is authorized to access.
Use Case	User-centric applications, such as Web, Mobile, or single-page apps (SPA).
Consent	Users can consent their own data, or administrators can consent for all users. Consent methods can be static (configured list on app registration) or dynamic (requesting individual permissions at sign-in).
Visibility in Logs	Appears as user activity.

For example, an application granted the **Files.Read.All** delegated permissions can only read files that the signed-in user can personally access.



## Application permissions

Application permissions (access without a user), also known as app roles or app-only permissions, are used in the app-only access scenario, where the application acts independently, without a signed-in user present. This model is typically used for backend scenarios like automation or background services (daemons).

Aspect	Details
Identity Context	The application acts as its own service principal, using its own identity.
Other Names	App roles, App-only permissions.
Authentication	Use the application credentials (client secret, certificate, or managed identity) via the Client Credentials Flow.
Permission Scope	Defined entirely by the application-level permissions granted by an administrator. The application is able to access any data that the permission is associated with.
Use Case	Web applications or daemon applications used for background daemons, automation scripts, or data sync agents.
Consent	Only an administrator can consent application permissions. The consent method is static only (configured list on app registration).
Visibility in Logs	Appears as a service principal activity.

For example, an application granted the Microsoft Graph API's application permission **Files.Read.All** can read any file in the tenant using Microsoft Graph.

## Determine the required permissions

You can choose the permission type based on how you want users to access work instructions.

- Delegated permissions: Select this option if you want users to access work instructions only when they have permission to view the corresponding files in SharePoint.
- Application permissions: Select this option if you want work instructions to be accessible in shop floor production, regardless of the user's SharePoint permissions.



# Delegated permissions

Article • 11/6/2025 • 20 min read

## Prerequisites

- Set up and configure App registration in Azure Portal. This acts as a bridge between Business Central and SharePoint.
- SharePoint site and its associated document library.
- Configure the **Shop Floor Production Setup** page in Business Central.

To connect Aptean Food and Beverage to SharePoint, you need the following information:

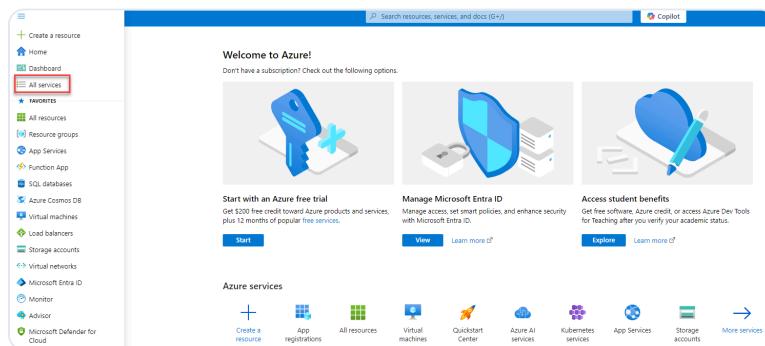
- Client ID of the app registration
- Client secret of the app registration
- SharePoint URL
- Document library name

After completing these steps, upload your PDF work instructions and assign each document to a specific work center and item in Business Central.

## App registration

To get started, follow the below steps:

- Open the [Azure Portal](#) and log in with your credentials.
- Once logged in, select the **All Services** menu.



The **All services** page opens.

- On the search bar, enter **App registrations** and then select the related link from the results.



4. On the App registration page, select **New registration**.

5. In the **Name** field, enter the name of the desired application.

6. In the **Supported account types** field, select *the Accounts in this organizational directory only (....)* option.

7. In the **Redirect URI (Optional)** section, in the **Select a platform** dropdown, select *Web*.

8. Enter `https://businesscentral.dynamics.com/OAuthLanding.htm` as the redirect URL.

9. Select **Register** to complete the application registration process.



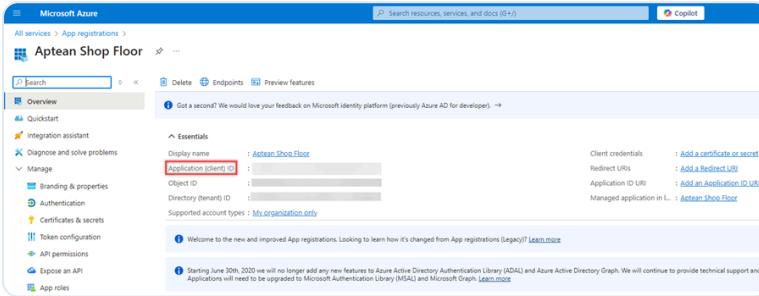
## Shop Floor Production (BC)

Redirect URI (optional)  
We'll return the authentication response to this URI after successfully authenticating the user. Providing this now is optional and it can be changed later, but a value is required for most authentication scenarios.

Web	✓	https://businesscentral.dynamics.com/OAuthLanding.htm ✓
Public client/native (mobile & desktop)	Integrate gallery apps and other apps from outside your organization by adding from <a href="#">Enterprise applications</a> .	
Web		
Single-page application (SPA)	<a href="#">Platform Policies</a>	

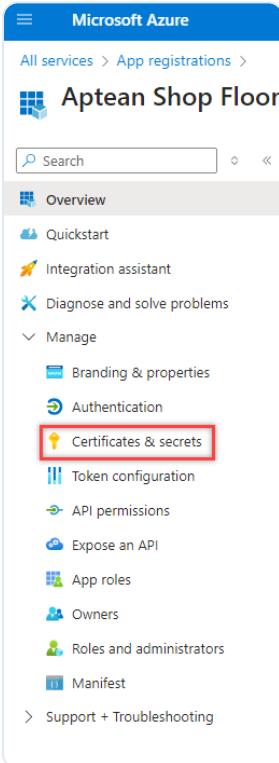
**Register**

Your desired application has been registered. You can view the client ID and the related information on the page. Make sure to note this value, as it will be required later in the setup process.



The screenshot shows the 'Aptean Shop Floor' application registration in the Azure portal. The 'Certificates & secrets' section is highlighted with a red box. The page displays the application's display name, object ID, and directory (tenant) ID. It also shows the supported account type as 'my.organization.onmicrosoft.com'. The 'Client credentials' section is visible but empty.

### 10. On the menu bar, select Certificates & secrets.

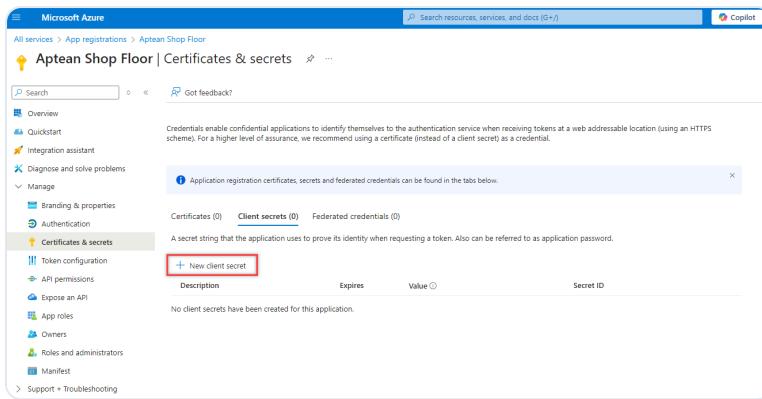


The screenshot shows the 'Aptean Shop Floor' application registration in the Azure portal. The 'Certificates & secrets' section is highlighted with a red box. The page displays the application's display name, object ID, and directory (tenant) ID. It also shows the supported account type as 'my.organization.onmicrosoft.com'. The 'Client credentials' section is visible but empty.

### 11. Select New client secret.



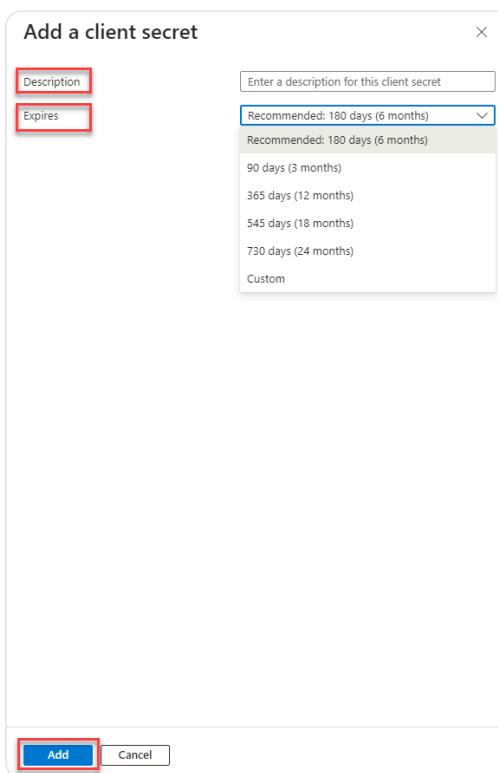
## Shop Floor Production (BC)



The screenshot shows the Microsoft Azure portal interface for managing an application named 'Aptean Shop Floor'. The 'Certificates & secrets' tab is selected. Under the 'Client secrets' tab, a red box highlights the '+ New client secret' button. Below it, the 'Description' and 'Expires' fields are also highlighted with red boxes. The 'Value' field is empty. The 'Secret ID' field is also highlighted with a red box. The left sidebar shows various management options like Overview, Quickstart, Integration assistant, Manage, Branding & properties, Authentication, Certificates & secrets (which is selected), Token configuration, API permissions, Expose an API, App roles, Owners, Roles and administrators, and Manifest.

The **Add a client secret** window opens.

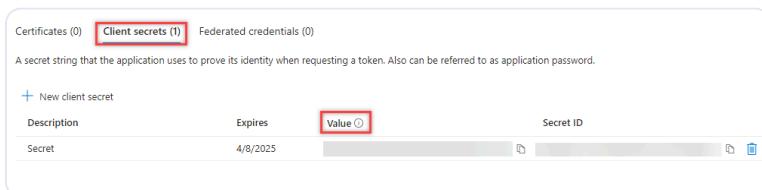
12. In the **Description** field, enter a description for the client secret.
13. In the **Expires** field, select the desired expiration period for the client secret.



The screenshot shows the 'Add a client secret' dialog box. The 'Description' and 'Expires' fields are highlighted with red boxes. A dropdown menu for 'Expires' is open, showing options: Recommended: 180 days (6 months), 90 days (3 months), 365 days (12 months), 545 days (18 months), 730 days (24 months), and Custom. The 'Add' button at the bottom left is also highlighted with a red box.

14. Select **Add**.

15. After the secret is added, copy the data in the **Value** field to your clipboard from the **Client secrets** tab. Make sure to save this value, as it is needed later in the setup. Once you navigate away, it is no longer visible. If the secret value is lost, create a new secret key.



The screenshot shows the 'Client secrets' tab in the Azure portal. The 'Value' field is highlighted with a red box. The 'Secret' value is '4/8/2025'. The 'Certificates' and 'Federated credentials' tabs are also visible.

16. On the menu bar, select **Overview**.



## Configure API permissions

To configure the necessary API permissions, follow these steps:

On the menu bar, select **API permissions**.

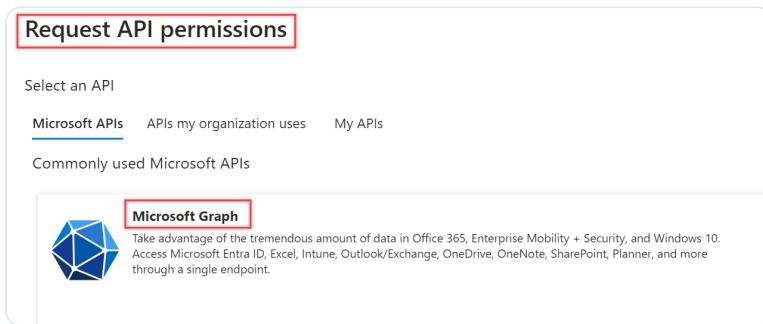
### Add Microsoft Graph permissions for sites

1. Select **+ Add a permission**.

The **Request API permissions** page opens.



2. On the **Request API permissions** page, select **Microsoft Graph > Delegated permissions**.



3. In the **Select permissions** filter, enter *Sites* to view the list of permissions for sites.

4. Select the **Sites.ReadWrite.All** checkbox.



**Request API permissions**

What type of permissions does your application require?

**Delegated permissions**

Your application needs to access the API as the signed-in user.

Select permissions

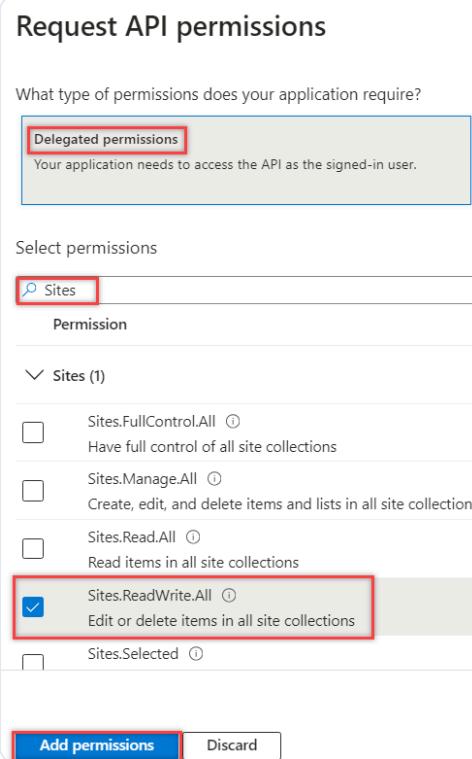
**Sites**

Permission

▼ Sites (1)

- Sites.FullControl.All ⓘ Have full control of all site collections
- Sites.Manage.All ⓘ Create, edit, and delete items and lists in all site collections
- Sites.Read.All ⓘ Read items in all site collections
- Sites.ReadWrite.All ⓘ** Edit or delete items in all site collections
- Sites.Selected ⓘ

**Add permissions** **Discard**



5. Select **Add permissions**.

## Add Microsoft Graph permissions for user

1. Select + Add a permission.
2. Select Microsoft Graph > Delegated permissions.
3. In the **Select permissions** filter, enter *User* to view the list of permissions for user.
4. Select the **User.Read** checkbox.
5. Select **Add permissions**.



Request API permissions

User (1)

<input type="checkbox"/> User.DeleteRestore.All ⓘ	Delete and restore users	Yes
<input type="checkbox"/> User.EnableDisableAccount.All ⓘ	Enable and disable user accounts	Yes
<input type="checkbox"/> User.Export.All ⓘ	Export user's data	Yes
<input type="checkbox"/> User.Invite.All ⓘ	Invite guest users to the organization	Yes
<input type="checkbox"/> User.ManageIdentities.All ⓘ	Manage user identities	Yes
<input checked="" type="checkbox"/> User.Read ⓘ	Sign in and read user profile	No
<input type="checkbox"/> User.Read.All ⓘ	Read all users' full profiles	Yes
<input type="checkbox"/> User.ReadBasic.All ⓘ	Read all users' basic profiles	No
<input type="checkbox"/> User.ReadWrite ⓘ	Read and write access to user profile	No

**Add permissions** **Discard**

## Add SharePoint permissions for all sites (Read)

1. Select + Add a permission.

The Request API permissions page opens.

2. On the Request API permissions page, select SharePoint > Delegated permissions.

3. In the Select permissions filter, enter *All Sites* to view the list of permissions for all sites.

4. Select the **AllSites.Read** checkbox.

5. Select Add permissions.

## Add SharePoint permissions for all sites (Write)

1. Select + Add a permission.

2. Select SharePoint > Delegated permissions.

3. In the Select permissions filter, type *All Sites* to view the list of permissions for all sites.

4. Select the **AllSites.Write** checkbox.

5. Select Add permissions.



**Request API permissions**

◀ All APIs **SharePoint** https://microsoft.sharepoint.com Docs

What type of permissions does your application require?

Delegated permissions  
Your application needs to access the API as the signed-in user.

Select permissions

Start typing a permission to filter these results

Permission

▽ AllSites (2)

- AllSites.FullControl ⓘ  
Have full control of all site collections
- AllSites.Manage ⓘ  
Read and write items and lists in all site collections
- AllSites.Read ⓘ  
Read items in all site collections
- AllSites.Write ⓘ  
Read and write items in all site collections

EnterpriseResource

MyFiles

Project

ProjectWebApp

**Add permissions** **Discard**

Once all the necessary permissions are added, your API permissions will be configured.

Diagnose and solve problems

Manage

Branding & properties

Authentication

Certificates & secrets

Token configuration

**API permissions**

Expose an API

App roles

Owners

Roles and administrators

Manifest

**Configured permissions**

Applications are authorized to call APIs when they are granted permissions by users/admins as part of the consent process. The list of configured permissions is displayed here. Learn more about permissions and consent.

+ Add a permission **Grant admin consent**

API / Permissions name	Type	Description	Admin consent required
Sites.ReadWrite.All	Delegated	Edit or delete items in all site collections	No
User.Read	Delegated	Sign in and read user profile	No
▽ SharePoint (2)			
AllSites.Read	Delegated	Read items in all site collections	No
AllSites.Write	Delegated	Read and write items in all site collections	No

App registration is complete. Make sure to record the following two fields to proceed:

- Client ID
- Secret Value

## ! Note

Admin consent is not required but providing it can make the setup process more convenient.



# Application permissions

Article • 11/6/2025 • 8 min read

## Prerequisites

For application permissions, you do not need to specify the SharePoint URL or document library name. Running the **Work Instruction Connection Setup** wizard is recommended. You must still enter the **Client ID** and **Client Secret** field values on the **Shop Floor Production Setup** page.

For application permissions, follow the same steps described in the [App registration](#) section to register the application in the Azure portal.

## Configure API permissions

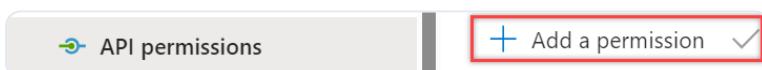
To configure the necessary API permissions, follow these steps:

On the menu bar, select **API permissions**.

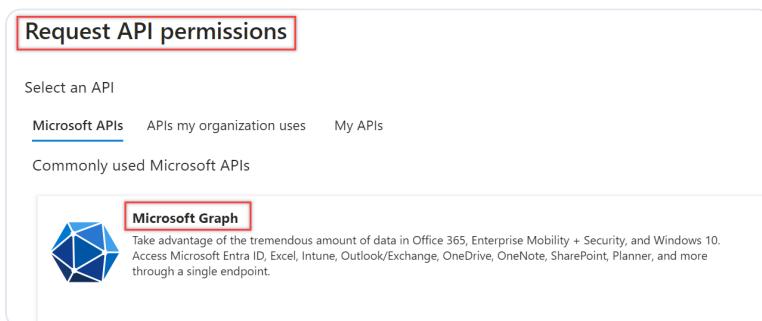
### Add Microsoft Graph permissions for sites

1. Select **+ Add a permission**.

The **Request API permissions** page opens.



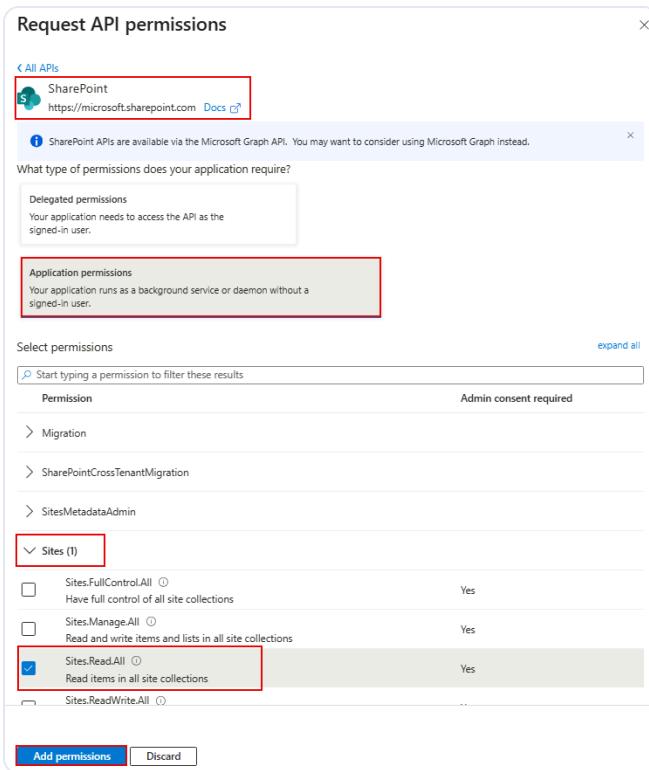
2. On the **Request API permissions** page, select **Microsoft Graph > Application permissions**.



3. In the **Select permissions** filter, enter **Sites** to view the list of permissions for sites.

4. Select the **Sites.ReadWrite.All** checkbox.



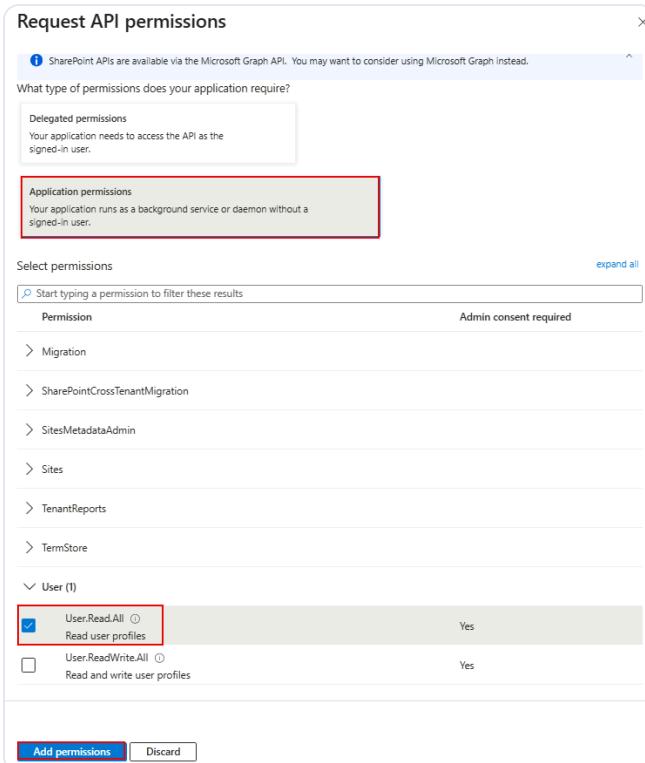


5. Select Add permissions.

## Add Microsoft Graph permissions for user

1. Select + Add a permission.
2. Select Microsoft Graph > Application permissions.
3. In the Select permissions filter, enter *User* to view the list of permissions for user.
4. Select the **User.Read.All** checkbox.
5. Select Add permissions.





## Add SharePoint permissions for all sites (Read)

### 1. Select + Add a permission.

The Request API permissions page opens.

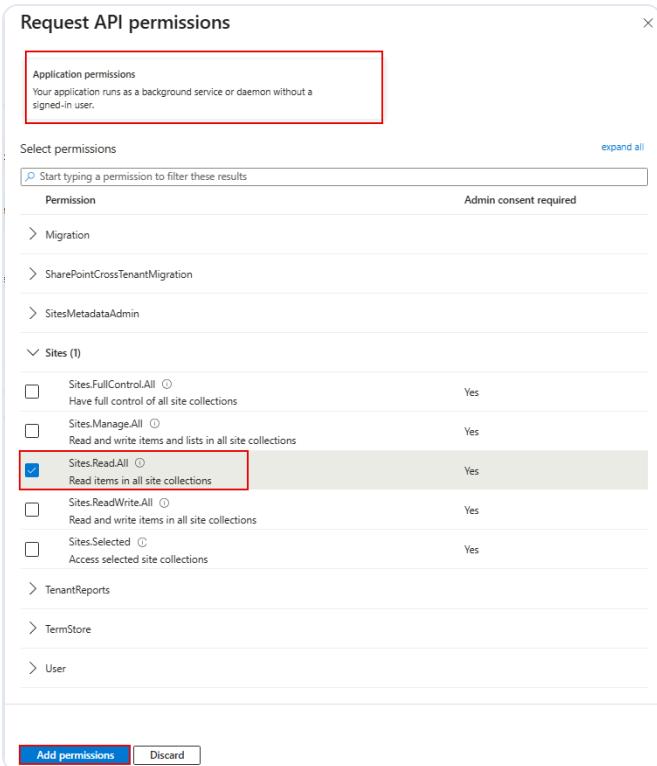
### 2. On the Request API permissions page, select SharePoint > Application permissions.

### 3. In the Select permissions filter, enter *Sites* to view the list of permissions for all sites.

### 4. Select the *Sites.Read.All* checkbox.

### 5. Select Add permissions.





## Add SharePoint permissions for all sites (Write)

1. Select + Add a permission.
2. Select **SharePoint > Application permissions**.
3. In the **Select permissions** filter, type *Sites* to view the list of permissions for all sites.
4. Select the **Sites.ReadWrite.All** checkbox.
5. Select **Add permissions**.



Request API permissions

Application permissions  
Your application runs as a background service or daemon without a signed-in user.

Select permissions expand all

Start typing a permission to filter these results

Permission	Admin consent required
> Migration	
> SharePointCrossTenantMigration	
> SitesMetadataAdmin	
▼ Sites (1)	
<input type="checkbox"/> Sites.FullControl.All ⓘ Have full control of all site collections	Yes
<input type="checkbox"/> Sites.Manage.All ⓘ Read and write items and lists in all site collections	Yes
<input type="checkbox"/> Sites.Read.All ⓘ Read items in all site collections	Yes
<input checked="" type="checkbox"/> Sites.ReadWrite.All ⓘ Read and write items in all site collections	Yes
<input type="checkbox"/> Sites.Selected ⓘ Access selected site collections	Yes
> TenantReports	
> TermStore	
> User	

Add permissions Discard

Once all the necessary permissions are added, your API permissions will be configured.

App registration is complete. Make sure to record the following two fields to proceed:

- Client ID
- Secret Value

### Note

Admin consent is required for the application registration to function correctly.



# Set up SharePoint connection using assisted setup

Article • 6/4/2025 • 3 min read

The **Work Instruction Worksheet Assisted Setup** wizard provides a guided, user-friendly method to configure the SharePoint connection for shop floor production using Graph API. It allows you to enter connection credentials, select a SharePoint site and document drive, and then confirms successful integration.

## Note

The **Utilize Graph API for SharePoint connection** toggle on the **Shop Floor Production Setup** page is turned on.

To set up SharePoint connection, follow these steps:

1. Open the **Assisted Setup** page and then select the *Set up Shop Floor Production Setup* title.  
The **Work Instruction Worksheet Assisted Setup** wizard opens.  
Alternatively, you can access the **Work Instruction Worksheet Assisted Setup** wizard by selecting **Related > Work Instruction Connection Setup** on the action bar of the **Shop Floor Production Setup** page.
2. Select **Next**.
3. On the **Connector Integration** section, in the **SharePoint Application Client ID** field, enter the client ID used to authenticate the connection between shop floor production and SharePoint.
4. In the **Client Secret** field, enter the secure credentials to authenticate and authorize access to Azure resources.
5. Turn on the **Allow HTP Client Requests** toggle to allow the extension to communicate with SharePoint using the HTTP Client data type, especially when connecting to SharePoint via Graph API.  
The wizard retrieves a list of SharePoint sites associated with your tenant.
6. In the **SharePoint Site Selection** section, select the desired SharePoint site from the list.
7. Select **Next** to continue.  
The wizard queries the selected site for available document libraries (drives).
8. In the **SharePoint Drive Selection** section, select the required drive.
9. Select **Next**.  
A completion message appears.
10. Select **Finish** to save your selection.  
You can view the related work instruction files on the **Work Instruction Worksheet** page.

File names displayed in red indicates that the previously uploaded files that are no longer accessible through the SharePoint connection. This typically occurs when files are deleted directly from SharePoint instead of using the work instruction worksheet. When the connection is set up correctly, switching to the Graph API connection does not cause any file names to appear in red. This visual distinction helps you easily identify which files are linked through the established SharePoint integration and which are not.



Based on this setup, the **Client ID**, **Client Secret**, **Site URL**, and **Document Library Name** field values are automatically updated on the **Shop Floor Production Setup** page.

 **Note**

- If the wizard is rerun, all previously stored values are cleared, and you must complete the assisted setup again.
- If the connection to SharePoint fails at any step, the system displays an error message, prompting you to verify your credentials.



# Set up work instructions in shop floor production

Article • 11/6/2025 • 1 min read

You can use the Client ID, client secret, and SharePoint URL and document library name on the **Shop Floor Production Setup** page in Business Central.

Additionally, work instructions can be associated specifically with items or work centers, allowing you to upload and manage instructions based on your operational requirements.

1. Open the **Shop Floor Production Setup** page.
2. On the **Work Instructions** FastTab, in the **Client ID** field, enter the unique identification number assigned to the application user.
3. In the **Client Secret** field, enter the secret credentials to authenticate and authorize access to Azure resources.
4. In the **Site URL** field, enter the SharePoint site URL where the document folder is created.
5. In the **Document Library Name** field, enter the document library name containing the work instruction PDFs or specify where you want to store them.

 **Note**

Create a direct folder on SharePoint and save all files in PDF format within it. Subfolders are not supported.



# Work instruction worksheet and migration

Article • 11/6/2025 • 5 min read

Work instructions help ensure accuracy in production processes. In Business Central, you can manage these documents by uploading them to SharePoint or directly through the work instruction worksheet. The following sections describe how to upload, identify missing, and migrate work instruction files, ensuring all documents are properly linked to their respective items and work centers.

## Upload work instructions to Business Central or SharePoint document library

You can upload the work instructions files to Business Central by following the steps below.



1. Select the Search icon , enter **Work Instruction Worksheet** or **WIW**, and then choose the related link. The **Work Instruction Worksheet** page opens.
2. On the action bar, select **Upload Attachment**. You can select the required file from the device and upload the attachment to SharePoint.
3. In the **Work Center** field, select the required work center number associated with the work instruction.
4. In the **Item** field, select the item number from the dropdown for which the work instruction is displayed.

### Note

When you execute the **Edit in Excel** action, the work instruction worksheet data opens in an Excel file. You can modify the item number, additional description, and work center details, but you cannot add new records or delete existing ones. For more information, see [Edit data in Excel](#).

Once configured, the system automatically saves these instructions to the designated SharePoint site and folder, as specified on the **Shop Floor Production Setup** page.

Alternatively, you can upload the PDF files directly to the designated SharePoint site and folder. Once the files are uploaded, open the **Work Instruction Worksheet** page in Business Central. The system will display all the documents stored in the SharePoint folder, allowing you to apply the necessary work center and item filters.

The work instructions associated with the work center or item can be viewed on the **Instructions** page from the **Production Order** start page.

For more information about the service limits in SharePoint for Microsoft 365, see [SharePoint limits](#).



## Identify missing work instruction files

The work instruction worksheet is used to upload and manage work instructions in SharePoint. If a work instruction file is deleted from SharePoint, its mapping data remains in the worksheet. The system highlights these records in red to help you quickly identify and manage missing files. You can then choose to remove the missing records either manually or automatically.

To identify and remove missing work instruction files, follow these steps:

1. On the **Work Instruction Worksheet** page, select the desired record.
2. On the action bar, select **Delete Attachment** to remove the record from Business Central.

It only removes the mapping data from Business Central and does not affect SharePoint.

### Note

If the record has a matching document in SharePoint, executing the **Delete Attachment** action also deletes the document from SharePoint. If the file is missing from SharePoint, this action has no effect on SharePoint.

3. Select **Resolve Instructions**.
- A confirmation message appears, stating the number of missing records found.
4. Select **Yes** to remove all missing records from the mapping table.

## Migrate work instruction documents from the SFP Power App

To transition from Shop Floor Production Power App work centers to Business Central, it is crucial to configure the work instructions within Business Central. All existing PDF work instruction files must be consolidated into a single SharePoint folder (the document library folder) specified on the **Shop Floor Production Setup** page.

During the migration process:

- Gather all the work instruction PDFs currently used in the Shop Floor Production Power App. Ensure that these files are organized and labeled appropriately for easy identification.
- Manually upload all the collected PDF files into a single folder within SharePoint. The folder should match the one specified on the **Work Instructions** FastTab of the **Shop Floor Production Setup** page in Business Central. This step is crucial, allowing the system to locate and associate the work instructions files.
- After uploading the files to SharePoint, open the **Work Instruction Worksheet** page in Business Central. The system will display all the documents stored in the specified SharePoint folder. You can assign the appropriate



work center and item filters to each file, ensuring the instructions are correctly linked to the corresponding work centers and items in Business Central.



# Creation of quality checks in work center

Article • 9/16/2024 • 2 min read

In the Quality Control Application, automated quality checks are essential to ensure product standards and operational efficiency. Whenever you install the Aptean Quality Control (BC) extension along with the Aptean Shop Floor Production, the system triggers the quality checks whenever a work center is started or stopped.

This is achieved by configuring the **Status** toggle on the **Work Centers** page.

A quality alert is triggered only once at the start of the work center. The system will check for existing quality checks for the associated work center, ensuring that duplicate quality checks are not triggered.

You will receive an error if you try to start a production order without turning on the **Status** toggle or if you try to turn off the toggle while a production order is active.

The quality checks are also created during the various actions of the production order such as *Start Production Order*, *Post*, *Recurring Time*, *Recurring Output Quantity*, *Finish Production Order*, and *Failure Work Center*.

## Note

If the Aptean [Quality Control](#) extension is not installed with the Aptean Shop Floor Production extension, the conditions related to the toggle configuration remain the same, except that quality alerts will not be created.



# Access quality checks from production orders

Article • 11/27/2024 • 1 min read

Follow the steps below to access the quality checks from the production orders.

1. Open the **Shop Floor Production** page.
2. Navigate to the **Production Orders** list page associated with the work center or machine center.
3. Select the required production order from the list.
4. Select the **Quality Checks** tile.

Based on the quality control trigger, any quality control checks associated with the selected production order will be displayed on the **Production Order** page.

The system redirects you to the **Quality Control App** page, with a filter applied to the selected production order.

## Note

The number displayed on the **Quality Checks** tile specifies the number of quality checks associated with the production order.



# Register co-product

Article • 9/16/2024 • 1 min read

You can register the co-products in using the Aptean Shop Floor Production (BC) when they are included in the production BOM. When co-products are included during the production of an output item, they are processed in Aptean Process Manufacturing extension.

The co-products can be registered on the Input and Output pages as other items and the details of the co-product are visible on the registered lines. You can also correct a registered output line via the **Correct Output Quantity** dialog and register output if the routing line status is *Production*.



# Track and record production failure

Article • 9/24/2025 • 1 min read

You can now track and record information about production failures in a manufacturing or production environment. It helps you to track the failure codes and reason for failure when setting the status to *Failure* and when production resumes after a failure. To achieve this, turn on the Show in Shop Floor toggle on the associated **Released Production Order** page.

When you change the status from failure to another, the **What is the Cause of the Failure?** dialog opens. In the **Failure Code** field, you can select the available failure codes from the dropdown. Only failure codes marked as active on the **Shop Floor Production Failure Code** page in Business Central appears in the **Failure Code** field. In the **Remarks** field, you can enter the reason for the failure of the order.

You can view this information on the **Shop Floor Production Failure Time Entries** and **Shop Floor Production Status** pages in Business Central.



# Print labels

Article • 8/12/2025 • 3 min read

If the Aptean [Labeling](#) extension is installed in Dynamics 365 Business Central, you can print labels after registering output. An example output label is available in the *APTFB 26 LBL Labels* package.

The label setup must be configured correctly to enable label printing from the **Shop Floor Production** page (70234100).

To configure the label setup to print labels from shop floor production, follow these steps.

1. Open the **Labels** page.
2. On the **General** FastTab, in the **Label Type** field, select *Custom*.
3. In the **Label Subtype** field, enter 70234053.
4. On the **Lines** FastTab, in the **Level** field, make sure the value is set as 0.
5. In the **Source No.** field, select 70238162.

This configuration ensures seamless label printing from shop floor production using the Aptean [Labeling](#) extension. For more information about label printing, see [Labels](#).

You can also print the comments added when registering output. The character limit for the comment is 400 characters. These comments added on the **Register Output** page are distributed across the Extra Text Fields of the labels, each with a maximum character length of 100 characters.

If you also install the Aptean [License Plating](#) extension, you can print the License Plate information directly on the label from the application based on the setup.

The comments and the license plate information are added to the labels when the **Print Label** checkbox is selected on the **Register Output** page.

The quantity reflects how many times the print function is used, not the number of labels printed, which is determined in Dynamics 365 Business Central. However, the Snackbar notification confirms when a label is printed.

## Printer selection

The selection of the label printer to print labels is based on the combination of fields on the **Label Printer Setup** page.

The label printer selection follows two levels of hierarchy:

### First level:

- Both warehouse employee and label code matches
- Only label code matches (the warehouse employee is left blank in the setup)



- Only warehouse employee matches (the label code is left blank in the setup)
- Both warehouse employee and label code are left blank

If any of the above conditions match, it will proceed to the second level of hierarchy.

## Second level:

- Work center, machine center, location code, and bin code
- Work center, machine center, and location code
- Work center and machine center
- Work center

If no matches are found as per the setup on the **Label Printer Setup** page, then an error is thrown.



# Integrations

Article • 7/2/2025 • 1 min read

The Aptean Shop Floor Production (BC) extension has been integrated with the following extensions:

- [Aptean Labeling](#)
- [Aptean Quality Control](#)
- [Aptean License Plating](#)
- [Aptean Catch Weight](#)
- [Aptean Packaging](#)
- [Aptean SSCC](#)
- [Aptean Process Manufacturing](#)
- [Aptean Advanced Comments](#)
- [Aptean Expiration Management](#)
- [Aptean Weigh Scale](#)
- [Aptean Quality Control \(BC\)](#)
- [Aptean Beverage Advanced Warehouse Management](#)
- [Aptean Lot Management](#)
- [Aptean Advanced Attributes](#)



# Aptean Labeling

Article • 3/13/2025 • 1 min read

When the Aptean Shop Floor Production (BC) extension is used in conjunction with the Aptean [Labeling](#) extension, you can print labels automatically after registering the output. To know more see [Print Labels](#).



# Aptean Quality Control

Article • 3/13/2025 • 1 min read

When the Aptean Shop Floor Production (BC) extension is used in conjunction with the Aptean [Quality Control](#) extension, the system automatically triggers quality alerts at the start and stop of the work center. To know more, see [Creation of quality checks in work center](#).



# Aptean License Plating

Article • 10/22/2025 • 1 min read

When the Aptean Shop Floor Production (BC) extension is used in conjunction with the Aptean [License Plating](#) extension, you can assign license plates for the items on the production order during the input and output registration process.

Additionally, you can register the consumption of all inventory items associated with a license plate in one step. To know more, see [Register consumption for a license plate](#).



# Aptean Catch Weight

Article • 3/13/2025 • 1 min read

When the Aptean Shop Floor Production (BC) extension is used in conjunction with the Aptean [Catch Weight](#) extension, you can view the weight quantity of the item in the selected production order.



# Aptean Packaging

Article • 3/13/2025 • 1 min read

When the Aptean Shop Floor Production (BC) extension is used in conjunction with the Aptean [Packaging](#) extension, you can view the default packaging of the item is shown on the packaging card on the **PO Details** page.



# Aptean SSCC

Article • 3/13/2025 • 1 min read

When the Aptean Shop Floor Production (BC) extension is used in conjunction with the Aptean [SSCC](#) extension, the system generates the shipping container codes on the **Register Output** page.



# Aptean Process Manufacturing

Article • 3/13/2025 • 1 min read

When the Aptean Shop Floor Production (BC) extension is used in conjunction with the Aptean [Process Manufacturing](#) extension, you can register the output of the co-product item. To know more, see [Register co-product](#).



# Aptean Advanced Comments

Article • 3/13/2025 • 1 min read

When the Aptean Shop Floor Production (BC) extension is used in conjunction with the Aptean [Advanced Comments](#) extension, you can add comments related to the item on the **Register Input** and **Register Output** pages.



# Aptean Expiration Management

Article • 3/13/2025 • 1 min read

When the Aptean Shop Floor Production (BC) extension is used in conjunction with the Aptean [Expiration Management](#) extension, the system calculates the expiration date of the item after output registration in the production order.



# Aptean Weigh Scale

Article • 3/13/2025 • 1 min read

When the Aptean Shop Floor Production (BC) extension is used in conjunction with the Aptean [Weigh Scale](#) extension, the system calculates the tare weight and weight from scale fields during the output registration.



# Aptean Quality Control (BC)

Article • 5/8/2025 • 1 min read

When the Aptean Shop Floor Production (BC) extension is used in conjunction with the Aptean [Quality Control \(BC\)](#) extension, you can navigate to quality checks on the **Quality Control App** page from production orders for streamlined quality control during production. To know more, see [Access quality checks from production orders](#).

Further, you can navigate from production orders to quality checks on the **Quality Control App** page for streamlined quality control during production and set up recurring job queue checks using the **Create Job Queue Entry for Recurring Quality Control Checks – QCA** action on the **Shop Floor Production Setup** page. For more information, see [Integration with Aptean Shop Floor Production \(BC\)](#).



# Aptean Beverage Advanced Warehouse Management

Article • 3/13/2025 • 1 min read

When the Aptean Shop Floor Production (BC) extension is used in conjunction with the Aptean Beverage [Advanced Warehouse Management](#) extension, Drink-IT Edition, you can specify an alternative license plate (license plates created through advanced warehouse management) during consumption correction in shop floor production. To know more, see [Correct consumption with AWM license plates](#).



# Aptean Lot Management

Article • 7/2/2025 • 1 min read

When the Aptean Shop Floor Production (BC) extension is used in conjunction with the Aptean [Lot Management](#) extension, you can define the format in which the lot number appears the **Shop Floor Production Setup** page. For more information, see [Set up shop floor production](#).



# Aptean Advanced Attributes

Article • 7/2/2025 • 1 min read

When the Aptean Shop Floor Production (BC) extension is used in conjunction with the Aptean [Advanced Attributes](#) extension, you can record advanced lot attributes while registering outputs. The system allows you to view and enter relevant attribute details for output lots as required.

