Release Notes 2025 R1

Acumatica
The Cloud ERP

Contents

Copyright

3075 112th Avenue NE, Suite 200, Bellevue, WA 98004, USA

Restricted Rights

Disclaimer

Trademarks

Software Version: 2025 R1

Last Updated: 04/15/2025

Introduction

This document provides important information about fixes, enhancements, and key features that are available in Acumatica ERP 2025 R1. The document is designed particularly for those who install Acumatica ERP. All users can benefit from reviewing this content to determine how they may benefit from the changes in this release.

Information about fixes, enhancements, and key features for those who customize Acumatica ERP or develop applications for it can be found in the separate *Release Notes for Developers* document.

Installation and Upgrade Notes

We strongly recommend that before administrators upgrade Acumatica ERP to a newer product version, they back up all configuration files and databases used by the application instances. For a detailed description of the general procedure of updating Acumatica ERP, see *Upgrading of Acumatica ERP: General Information*.

Multiple changes have been made between Acumatica ERP 2024 R2 and Version 2025 R1 that may affect customizations and integrations. For details, see *Release Notes for Developers*.

If the Acumatica ERP instance was integrated with software provided by an independent software vendor (ISV) partner, we recommend that the administrator consult with this partner about the compatibility of its products with Acumatica ERP 2025 R1.

Supported Web Browsers for Acumatica ERP Workstations

Supported web browsers that can be used to work with Acumatica ERP 2025 R1 workstations are listed in the following table.

> Web browsers on mobile devices are not supported. We recommend that the Acumatica mobile app be used. Microsoft Internet Explorer is not supported.

Table: Supported Web Browsers

Web Browser	Version
Microsoft Edge	120 or later
Mozilla Firefox	130 or later
Apple Safari	17 or later
Google Chrome	120 or later

For details on system requirements, see *System Requirements for the Acumatica ERP Installation*.

Deprecated Support for the Authorize.Net Payment Plug-In

Starting in Acumatica ERP 2025 R1, the Authorize.Net plug-in will no longer be supported or available in the system. We encourage companies to take advantage of the Acumatica Payments plug-in, which provides greater functionality, better support, and competitive rates.

The client should contact its partner to create a presales support case to learn more about making the transition.

> If the company have customer credit cards saved in the Authorized.Net gateway, after an upgrade to Acumatica ERP 2025 R1, this data will be lost. The company should contact its partner for help with token migration.

If the company uses Acumatica ERP 2023 R2 or a later version, a system administrator can configure the Acumatica Payments plug-in without making any software changes. For more information about Acumatica Payments, see *Configuring and Using Acumatica Payments* and *To Configure Acumatica Payments*.

Deprecated Third-Party Software

Starting in Acumatica ERP 2025 R1, the system no longer supports the versions of third-party software listed in the following table.

Software	Version
Windows Server	2016 64-bit edition
Microsoft SQL Server	• 2016 Service Pack 1 • 2017
MySQL Community Server	5.7

For details on system requirements, see *System Requirements for the Acumatica ERP Installation*.

Changes to the Report Scheduling

Starting in Acumatica ERP 2025 R1, the report scheduling has been reworked, as described in *System Administration: Email Scheduling for Reports*. The changes to this functionality will be implemented in the stages listed in the following table.

Version	Stage
2025 R1	The **Schedule Template** button has been removed from the report toolbar of all report forms. The report migration functionality has been added.
2025 R2	The *Send Reports* (SM205060) form has been removed.
2026 R2	The report migration functionality has been deprecated. This includes the removal of the **Migrate** command from the *Automation Schedules* (SM205020) form.

After the upgrade to Acumatica ERP 2025 R1, the system administrator will need to migrate automation schedules that have been configured by using the *Send Reports* (SM205060) form. For details, see *After an upgrade to Acumatica ERP 2025 R2 and later, the functionality for sending reports using the Send Reports form will no longer be available*.

Upgrade Policy

On the *Apply Updates* (SM203510) form, only minor updates are available for the currently installed version of Acumatica ERP. The administrator should upgrade the Acumatica ERP instance from previous major versions of the system to Version 2025 R1 manually on the server. (An upgrade through the web interface is not supported because the customization of the Acumatica ERP instance may be incompatible with Version 2025 R1 due to changes in Version 2025 R1.)

Prerequisite Steps

Before administrators install Acumatica ERP 2025 R1 or upgrade to it locally, they need to do the following:

1. Switch the Internet Information Services application pool where the Acumatica ERP 2025 R1 instance will be installed to Integrated mode. (Classic mode is not supported.)
2. Install Microsoft .NET Framework 4.8 on the server where the Acumatica ERP 2025 R1 instance will be installed.

Upgrade Path

The upgrade to Acumatica ERP 2025 R1 must be performed as described in the following table. The upgrade process depends on the version before the upgrade.

Table: Upgrade Paths for Acumatica ERP

From Version	Upgrade Path
2024 R2	A direct upgrade to Acumatica ERP 2025 R1 is supported.
2024 R1	A direct upgrade to Acumatica ERP 2025 R1 is supported.
2023 R2	A direct upgrade to Acumatica ERP 2025 R1 is supported.
2023 R1	An incremental upgrade is required. The following steps must be performed in the listed order: 1. Upgrade to the latest Version 2023 R2 build available. 2. Upgrade to Version 2025 R1.
2022 R2	An incremental upgrade is required. The following steps must be performed in the listed order: 1. Upgrade to the latest Version 2023 R2 build available. 2. Upgrade to Version 2025 R1.

Acumatica ERP 2025 R1 can be upgraded from the following particular versions:

- 2024 R2 Update 8 (Build 24.208.0020) and earlier
- 2024 R1 Update 16 (Build 24.116.0026) and earlier
- 2023 R2 Update 19 (Build 23.219.0006) and earlier

Later versions are compatible with only the 2025 R1 Service Pack. It is not possible to upgrade them to Version 2025 R1.

For the list of upgradable versions for later 2025 R1 updates, see the release notes for the particular 2025 R1 update.

Actions Before the Upgrade

Before performing the upgrade to Acumatica ERP 2025 R1, an administrator should perform the actions described in the following sections.

Inventory and Order Management

If the *Acumatica-LotSerialNbrAttribute* customization project was used in the system before the upgrade, the administrator should contact their Acumatica support provider and request a migration script. For existing stock item records, a user can import lot and serial attributes by creating and using an import scenario on the *Import Scenarios* (SM206025) form.

- In Version 2025 R1, lot and serial attributes are not supported in manufacturing, field services, and retail commerce. If a company has published this customization project to deliver the functionality to these areas before the upgrade, it must continue using the customization project.
- Stock items that have been used in the customization project will not be added to Acumatica ERP if their lot or serial class had the *When Used* assignment method on the *Lot/Serial Classes* (IN207000) form before the upgrade.

Post-Upgrade Changes and Actions

An administrator should be aware of the changes that have been made in the system after the upgrade to Acumatica ERP 2025 R1 has been performed. The following sections describe these changes, as well as any actions that the administrator needs to take after the upgrade.

Finance

After an upgrade to Acumatica ERP 2025 R1, the following changes will be made in the system:

- On the *Payment Methods* (CA204000) form, the **Send Payment Receipts Automatically** check box will be cleared for all existing payment methods.
- On the *Payments and Applications* (AR302000) and *Cash Sales* (AR304000) forms, the **Don't Print** and **Don't Email** check boxes will be selected for existing documents. As a result, these documents will not appear for processing on the *Print/Email AR Documents* (AR508000) form.
- The upgrade script will perform the following changes on the *Credit Terms* (CS206500) form for all existing credit terms with the *Custom* due date type:
  - The **Date From 1** box for the first due day will be set to *1* and made read-only.
  - The **Date To 2** box for the second due day will be set to *31* and made read-only.

Inventory and Order Management

After an upgrade to Acumatica ERP 2025 R1, on the *Purchase Orders Preferences* (PO101000) form, the state of the **Display the Receive Transfer Tab** check box will be the following:

- Selected if the **Display the Receive Tab** check box was selected before the upgrade
- Cleared if the **Display the Receive Tab** check box was cleared before the upgrade

Projects and Construction

After an upgrade to Acumatica ERP Construction Edition 2025 R1, an administrator should run the recalculation of project balances on the *Recalculate Project Balances* (PM504000) form by clicking **Process All** on the form toolbar. The recalculation of project balances is required before the new date-sensitive cost projections can be used. For more information, see *Projects and Construction: Enhancements to the Cost Projection Functionality*.

CRM

After an upgrade to Acumatica ERP 2025 R1, the *Email* activity type will be selected in the **Activity Type** box of the *Email Templates* (SM204003) form for all email templates except the following:

- *CRCasesPendingClosureNotification*
- *CRNewCaseNotification*
- *New Case Comment from Portal*

For these email templates, the *System Email* option will be selected in the **Activity Type** box.

System Administration

After the upgrade to Acumatica ERP 2025 R1, a system administrator will need to migrate automation schedules that have been configured by using the *Send Reports* (SM205060) form. To locate these schedules, the administrator can filter schedules that have *SM.20.50.60* in the **Screen ID** column on the *Automation Schedule*

Statuses (SM205030) form. The system also displays a warning for these records. The administrator can click a link in the **Schedule ID** column to open the *Automation Schedules* (SM205020) form for the schedule.

On the *Automation Schedules* form, for a schedule that requires migration, the **Migrate** button has been added to the form toolbar. Also, the system displays a warning about the deprecation of the *Send Reports* form and migration instructions.

> The **Migrate** button is available only if for a schedule, the *Send Reports* form is selected in the **Screen ID** box.

The migration process creates an email template for each report template in the schedule and links it to a new schedule. It also deactivates the original schedule and marks as migrated to avoid duplication.

For details, see *System Administration: Email Scheduling for Reports*.

CRM: Implementation of the ISO 20022 Address Format

Acumatica ERP 2025 R1 introduces the extension of postal address data settings system-wide to adhere to the ISO 20022 standard. Adherence to the ISO 20022 standard provides the following advantages:

- Enhanced consistency and accuracy of address data
- Improved interoperability with global systems
- Better data exchange
- More efficient processing of international transactions.

The following section describes the changes in address data settings.

Extended Address Settings

Starting in Acumatica ERP 2025 R1, the following address settings have been added to the system:

- **Department**: The identifier of a large division within an organization or building
- **Subdepartment**: The identifier of a smaller division within a large division in an organization or building
- **Street Name**: The name of the street
- **Building Number**: The numerical or alphanumerical identifier assigned to the building
- **Building Name**: The name of the building
- **Floor**: The number indicating the level within the building
- **Unit Number**: The number identifying the particular unit or apartment if this is a multiunit building
- **Post Box**: The unique identifier for the private mailbox in a post office where mail is delivered
- **Room**: The specific room identifier within the building
- **Town Location Name**: The name of the town location
- **District Name**: The name identifying the subdivision within the city or town

By default, the extended address settings are not displayed on forms containing address data. Users can define which address settings should be displayed on specific forms as follows:

- On inquiry forms: By using the **Column Configuration** dialog box (see the following screenshot)
- On data entry forms: By using a customization project

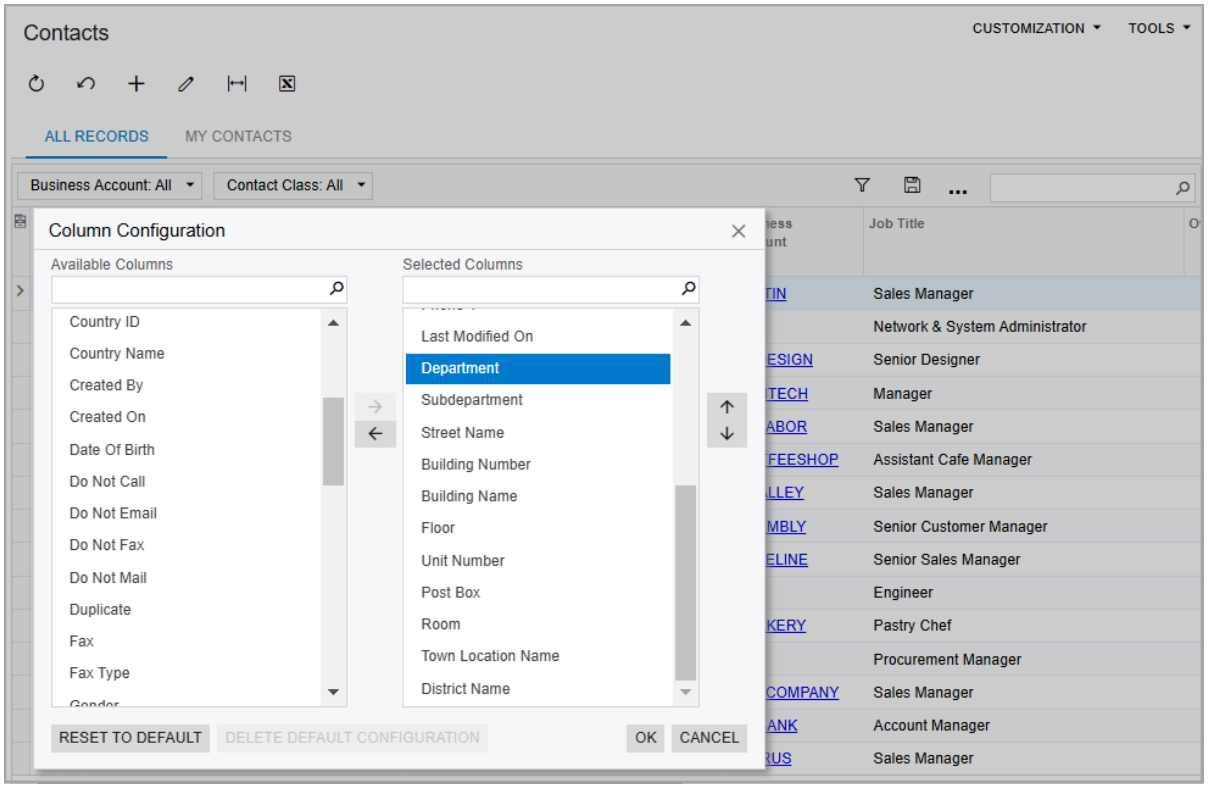


Figure: The extended address settings in the Column Configuration dialog box

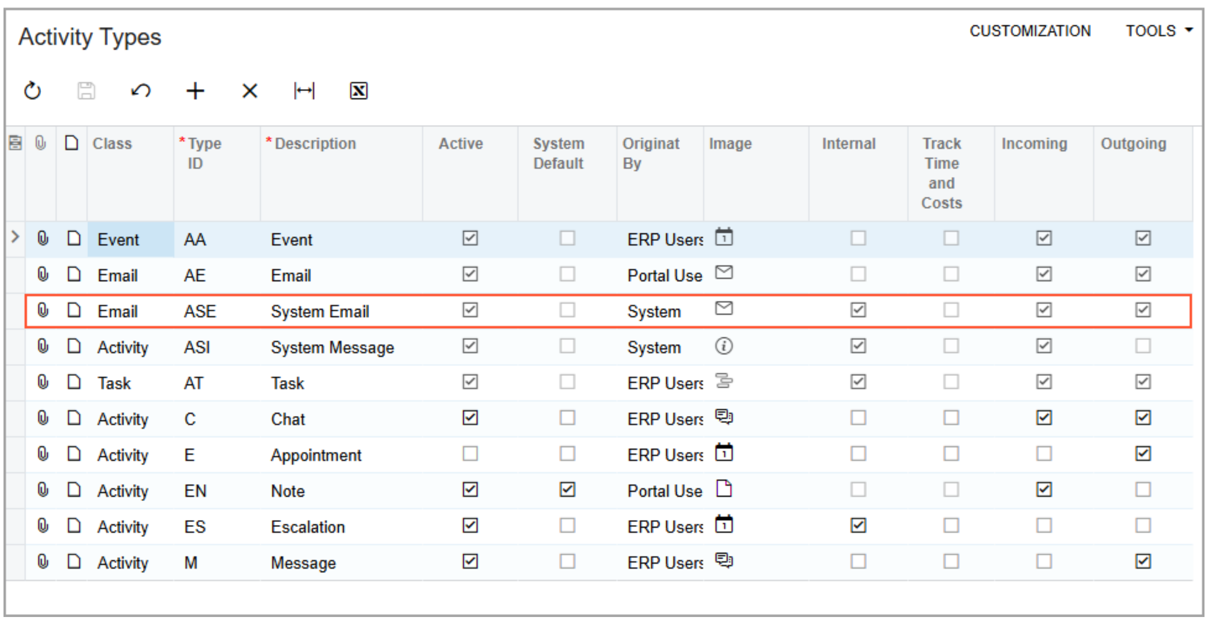
CRM: Improvements to the Calculation of Case Commitments

In previous versions of Acumatica ERP, the calculation of case commitment statistics was affected by outgoing emails that the system created based on email templates. The system treated these emails as response activities —that is, activities of the *Email* type with the **Outgoing** check box selected on the *Activity Types* (CR102000) form. Thus, the system recognized the system email date and time as the response date and time, stopped tracking the time for fulfilling case commitments, and cleared the **Initial Response Due** and **Response Due** boxes for the case on the *Cases* (CR306000) form.

Starting in Acumatica ERP 2025 R1, the changes described in the sections below have been made to exclude system emails from the calculation time of fulfilling case commitments.

Enhancements to Email Activity Types

To distinguish emails created by the system from other outgoing emails, the *System Email* activity type with the *ASE* type ID has been added to the *Activity Types* (CR102000) form. (The following screenshot shows this type.) Users cannot change the settings of this type or remove the type from the *Activity Types* form.


Activity Types

CUSTOMIZATION TOOLS

Class	*Type ID	*Description	Active	System Default	Originat By	Internal	Track Time and Costs	Incoming	Outgoing
Event	AA	Event	☑	☐	ERP Users	☐	☐	☑	☑
Email	AE	Email	☑	☐	Portal Use	☐	☐	☑	☑
Email	ASE	System Email	☑	☐	System	☑	☐	☑	☑
Activity	ASI	System Message	☑	☐	System	☑	☐	☑	☐
Task	AT	Task	☑	☐	ERP Users	☑	☐	☑	☑
Activity	C	Chat	☑	☐	ERP Users	☐	☐	☑	☑
Activity	E	Appointment	☐	☐	ERP Users	☐	☐	☐	☑
Activity	EN	Note	☑	☑	Portal Use	☐	☐	☑	☐
Activity	ES	Escalation	☑	☐	ERP Users	☑	☐	☐	☐
Activity	M	Message	☑	☐	ERP Users	☐	☐	☐	☑

Figure: The System Email activity type

On the *Email Templates* (SM204003) form, the **Activity Type** box has been added (see the following screenshot). In this box, users can select the type of email activity for which the selected email template is created.

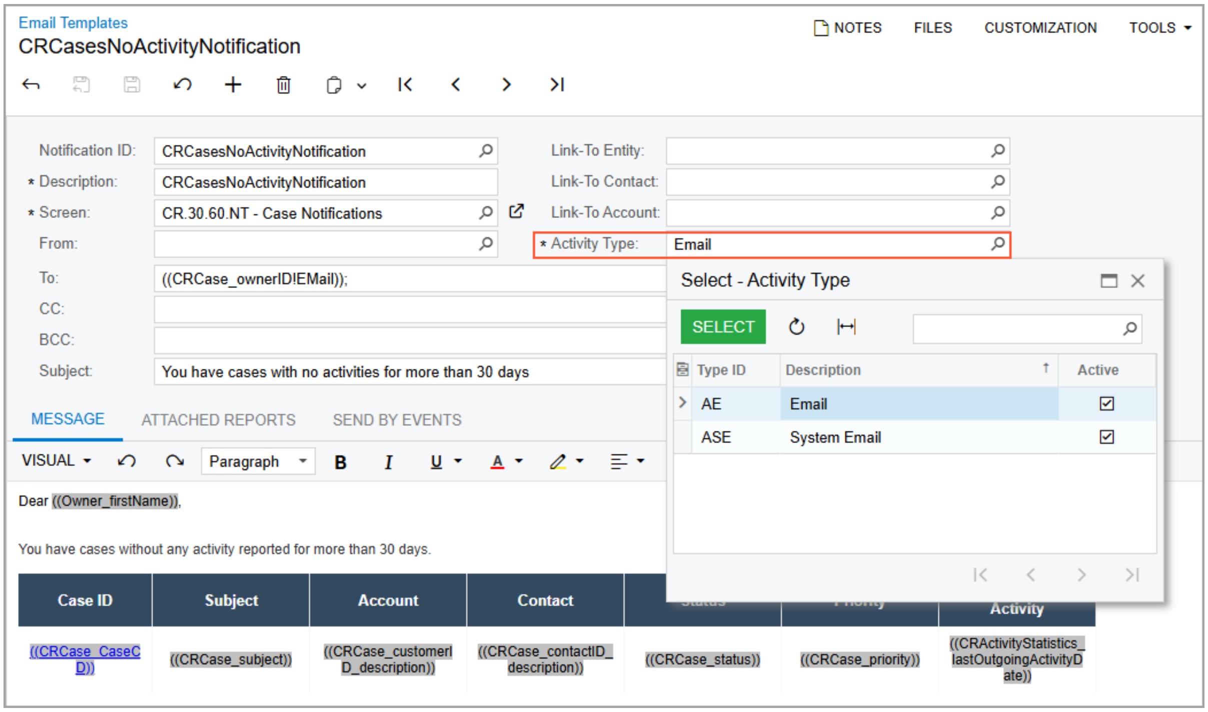


Figure: The Activity Type box on the Email Templates form

The **Activity Type** box has the following options:

- *Email* (default): The email template is intended for emails created by users.
- *System Email*: The email template is intended for emails created by the system.

The *System Email* activity type is selected by default in the following predefined email templates on the *Email Templates* form:

- *CRCasesPendingClosureNotification*
- *CRNewCaseNotification*
- *New Case Comment from Portal*

If an email template has the *System Email* activity type, it cannot be selected in the **Select Template** dialog box on the *Email Activity* (CR306015) and *Mass Emails* (CR308000) forms.

The read-only **Type** box has been added to the *Email Activity* form (see the following screenshot). This box displays the activity type of an email.

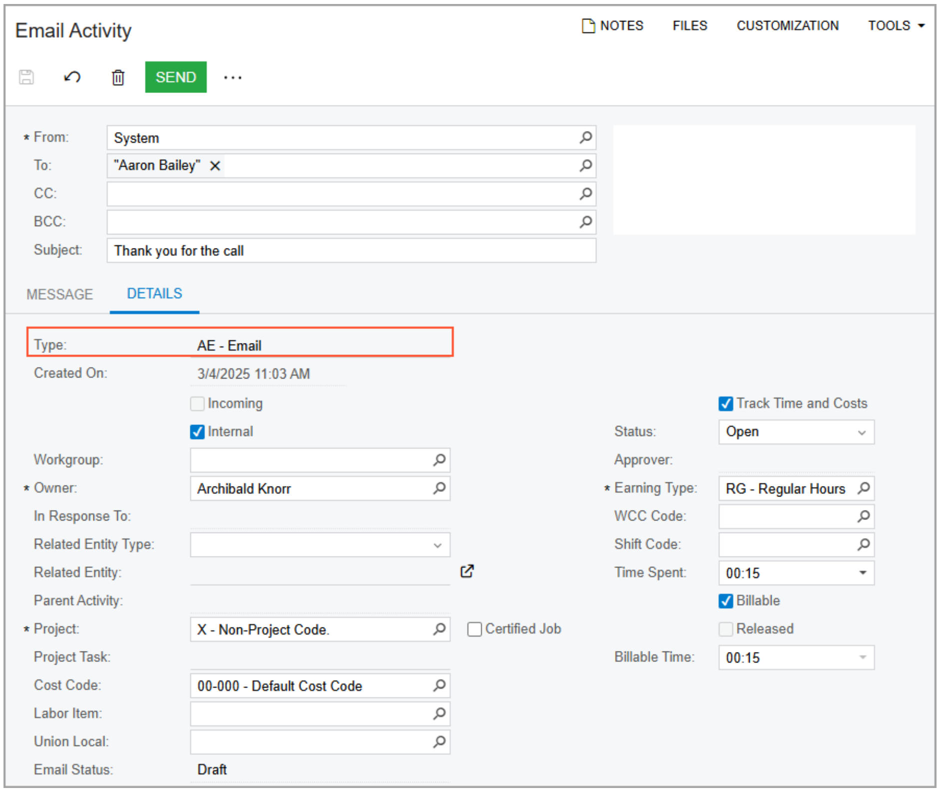


Figure: The Type box on the Email Activity form

By default, the *Email* option is selected.

Enhanced Case Commitment Calculations

The **Include System Activities in Response Time Calculation** check box has been added to the **Commitments** tab of the *Case Classes* (CR206000) form, as shown in the following screenshot. This check box gives users greater flexibility in calculating response time for the fulfillment of case commitments.

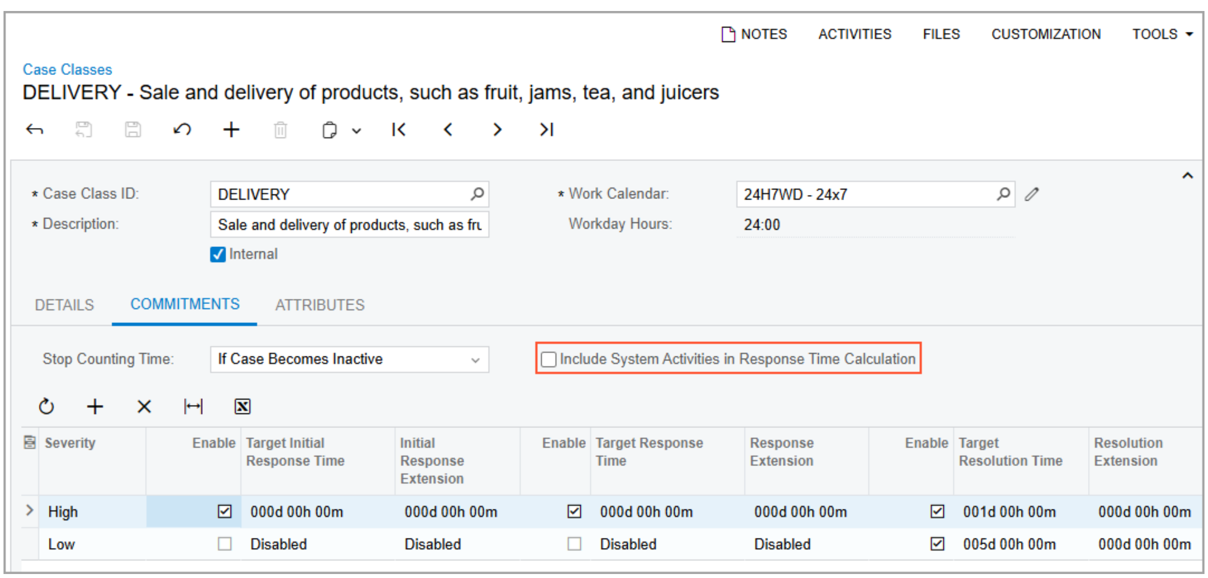


Figure: The Include System Activities in Response Time Calculation check box

If the check box is selected, the system includes emails with the *System Email* activity type in the response time calculations in cases of the case class. This means that the system considers these emails to be responses, records their date and time for statistical purposes, and stops counting time for fulfilling case commitments. (This is the way the system worked prior to Acumatica ERP 2025 R1, which may cause unintended inaccuracies in case fulfillment statistics.)

By default, the **Include System Activities in Response Time Calculation** check box is cleared, meaning that system emails are excluded from the calculation of response time for fulfilling case commitments.

Upgrade Notes

After an upgrade to Acumatica ERP 2025 R1, the *Email* activity type will be selected in the **Activity Type** box of the *Email Templates* (SM204003) form for all email templates except the following:

- *CRCasesPendingClosureNotification*
- *CRNewCaseNotification*
- *New Case Comment from Portal*

For these email templates, the *System Email* option will be selected in the **Activity Type** box.

Additional Information

For more information about setting up the calculation of the case commitment statistics, see *Case Classes: Case Commitments*.

DeviceHub: Polling Frequency Settings for DeviceHub Scales

In Acumatica ERP 2025 R1, users can now specify the frequency of polling for scales in DeviceHub.

Specifying the Polling Frequency

A user can now change the frequency of polling for DeviceHub scales in the new **Polling delays for weight retrieval** section, as shown in the following screenshot.

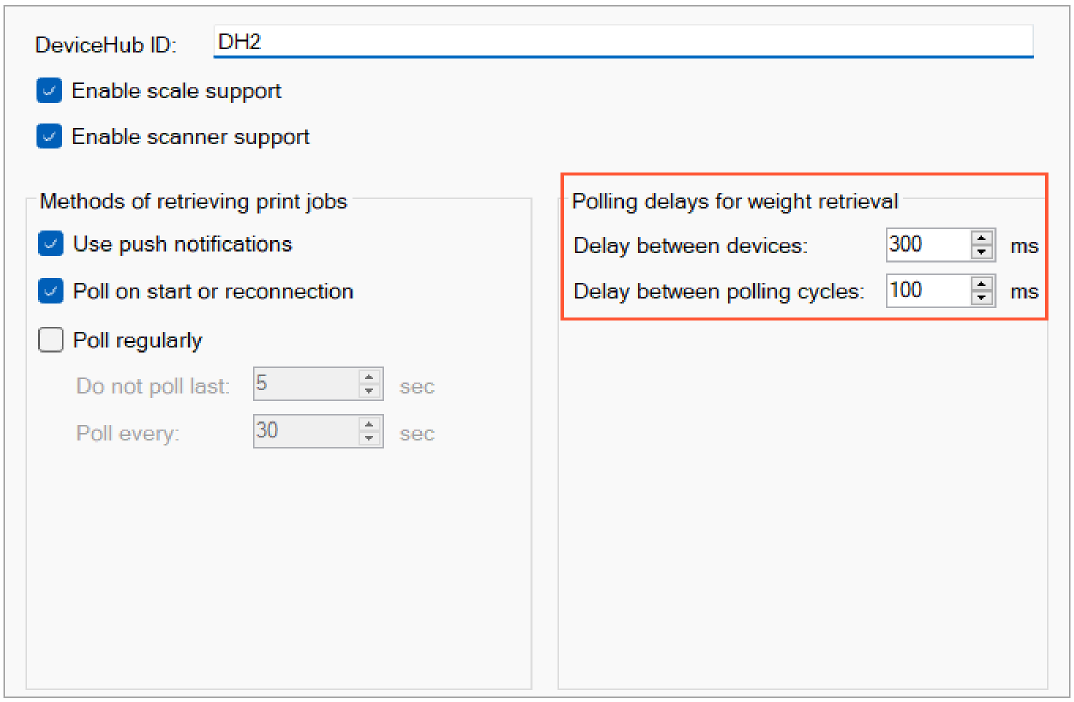


Figure: The Polling delays for weight retrieval section

The section contains the following boxes:

- **Delay between devices**: This setting defines the minimum delay in milliseconds before DeviceHub can poll another scale and send the result to Acumatica ERP.
- **Delay between polling cycles**: The application polls all scales added to DeviceHub one by one. A single polling request to all of the scales constitutes a cycle. Once every scale has been polled, the application starts a new cycle. This setting defines the minimum delay in milliseconds before DeviceHub can start another cycle of polling.

Documentation: Improvements in User Guides

In Acumatica ERP 2025 R1, significant improvements have been made to the content and structure of the guides that make up the documentation, as described in the following sections.

Accounts Payable

In the *Accounts Payable* Guide, the following changes have been made:

- The former *Configuring Predefined Mailings for Customers and Vendors* chapter has been reworked into the *Configuring Predefined Mailings for Vendors* chapter. This chapter describes how to configure predefined mailings for vendors and how to use these mailings for sending and printing documents.
- The former *Configuring the Reclassification of Expenses* chapter has been reworked into the *Configuring Reclassification of Expenses* chapter. This chapter describes how to create a document with the default expense account and reclassify this expense.
- The former *Managing Vendor Relations* chapter has been reworked into the *Managing Vendor Relations* chapter. This chapter describes how to set up the vendor relations functionality and process a purchase from one vendor and the payment for the purchase to a different vendor.
- The former *Rounding of Document Amounts* chapter has been reworked into the *Rounding of AP Document Amounts* chapter. This chapter describes how to set up document amount rounding and process an AP document with a rounded amount.
- The former *Configuring Schedules for Recurring Documents* chapter has been reworked into the *Creating Recurring AP Documents* chapter. This chapter describes how to configure a schedule for document generation, run this schedule, and process the generated documents.
- The former *Applying Payments to Particular Lines of AP Documents* chapter has been reworked into the *Applying Payments to Particular Lines of AP Documents* chapter. This chapter describes how to create an AP bill that can be paid by line and pay one of its lines.
- The former *Performing Period-End Procedures in AP* chapter has been reworked into the *Performing Period-End Procedures* chapter. This chapter describes how to perform account reconciliation and how to close a financial period in accounts payable.

All the added chapters include activities that users can perform by using the *U100* dataset.

Accounts Receivable

In the *Accounts Receivable* Guide, the following changes have been made:

- The *Configuring Predefined Mailings for Customers* chapter has been added. This chapter describes how to configure predefined mailings for customers and how to use these mailings for sending and printing documents.
- The former *Types of AR Documents* chapter has been replaced with the *Processing Cash Sales and Cash Returns* chapter. This chapter explains how to process a cash sale and a cash return.
- The former *Rounding of Document Amounts* chapter has been reworked into the *Rounding of AR Document Amounts* chapter. This chapter describes how to set up document amount rounding and process an AR document with a rounded amount.
- The former *Configuring Schedules for Recurring Documents* chapter has been reworked into the *Creating Recurring AR Documents* chapter. This chapter describes how to configure a schedule for document generation, to run this schedule, and process the generated documents.
- The former *Applying Payments to Particular Lines of AR Documents* chapter has been reworked into the *Applying Payments to Particular Lines of AR Documents* chapter. This chapter describes how to create an AR invoice that can be paid by line and pay one of its lines.
- The former *Performing Period-End Procedures in AR* chapter has been reworked into the *Performing Period-End Procedures* chapter. This chapter describes how to close a financial period in accounts receivable.

- The former *Managing Commissions* chapter has been reworked into the *Managing Commissions* chapter. This chapter describes how to set up salesperson commissions in the system, create a commissionable document, and calculate a commission for a salesperson.
- The former *Managing Parent-Child Relationships* chapter has been reworked into the *Managing Parent-Child Relationships*. This chapter describes how to set up parent and child relationships between existing customer accounts, process the documents of child accounts and parent accounts, and run a consolidated report to review the balances.

All the added chapters include activities that users can perform by using the predefined *U100* dataset.

Service Management

The new *Integrating Field Services with Projects* chapter has been added. This chapter explains how to integrate the service management functionality with the project management functionality to enhance users' ability to effectively manage project tasks and resources. The chapter describes in detail the setup and use of the service management functionality in projects.

Route Management

The following chapters have been added to the guide:

- *Route Executions with Service Delivery*
- *Route Executions with Item Delivery*

In these chapters, users will learn how to do the following:

- Create a route execution that involves service delivery or the movement of inventory items
- Add appointments to a route
- View a route on the map
- Modify the route execution document
- Edit the order of appointments in the route execution
- Start, complete, and close the route execution
- Run route appointment billing

Data Migration

The new *Finance Data Migration* guide has been added. The chapters of this guide describe how to prepare the system for migrating data from a legacy ERP system to Acumatica ERP, as well as how to migrate financial data by using import scenarios. Additionally, users will learn how to verify the results of migration by reconciling the accounts' balances and cross-checking the imported records.

Field Services: Support of Stock Items With Lot or Serial Numbers Assigned in Appointments

Appointments often include stock items. In some cases, lot or serial numbers need to be assigned to these stock items at the time they are used during an appointment, rather than when they are received in the warehouse. This is often necessary when, for example, the specific item to be installed at the customer location is unknown beforehand, and the technician needs to enter the relevant number during installation.

In previous versions of Acumatica ERP, appointments that included stock items tracked by lot or serial numbers could not be processed if stock items had the *When Used* assignment method. This method is specified in the stock item's lot or serial class on the *Lot/Serial Classes* (IN207000) form. This was because a lot or serial number had to be specified for a stock item in the appointment's detail line. However, stock items with the *When Used* lot or serial number assignment method were not supported in appointments and therefore, a lot or serial number could not be specified for them.

Starting in Acumatica ERP 2025 R1, the *Appointments* (FS300200) form has been enhanced. Users can do the following for stock items whose lot or serial class has the *When Used* lot or serial number assignment method specified on the *Lot/Serial Classes* (IN20700) form:

- Manually generate lot or serial numbers for stock items, if the **Auto-Generate Next Number** check box is cleared in the stock item's lot or serial class on the *Lot/Serial Classes* form.
- View the auto-generated lot or serial numbers for stock items, if the **Auto-Generate Next Number** check box is selected in the stock item's lot or serial class on the *Lot/Serial Classes* form.

The functionality is available only if the *Lot and Serial Tracking* feature is enabled on the *Enable/ Disable Features* (CS100000) form.

Changes to the Appointments Form

On the *Appointments* (FS300200) form, a lot or serial number can now be assigned to a stock item with the following settings specified in the stock item's lot or serial class on the *Lot/Serial Classes* (IN207000) form:

- The *Track Serial Numbers* or *Track Lot Numbers* tracking method (Item 1 in the following screenshot)
- The *When Used* assignment method (Item 2)

(The following screenshot is provided to illustrate the settings closely related to the new functionality. However, no new elements have been added to the *Lot/Serial Classes* form.)

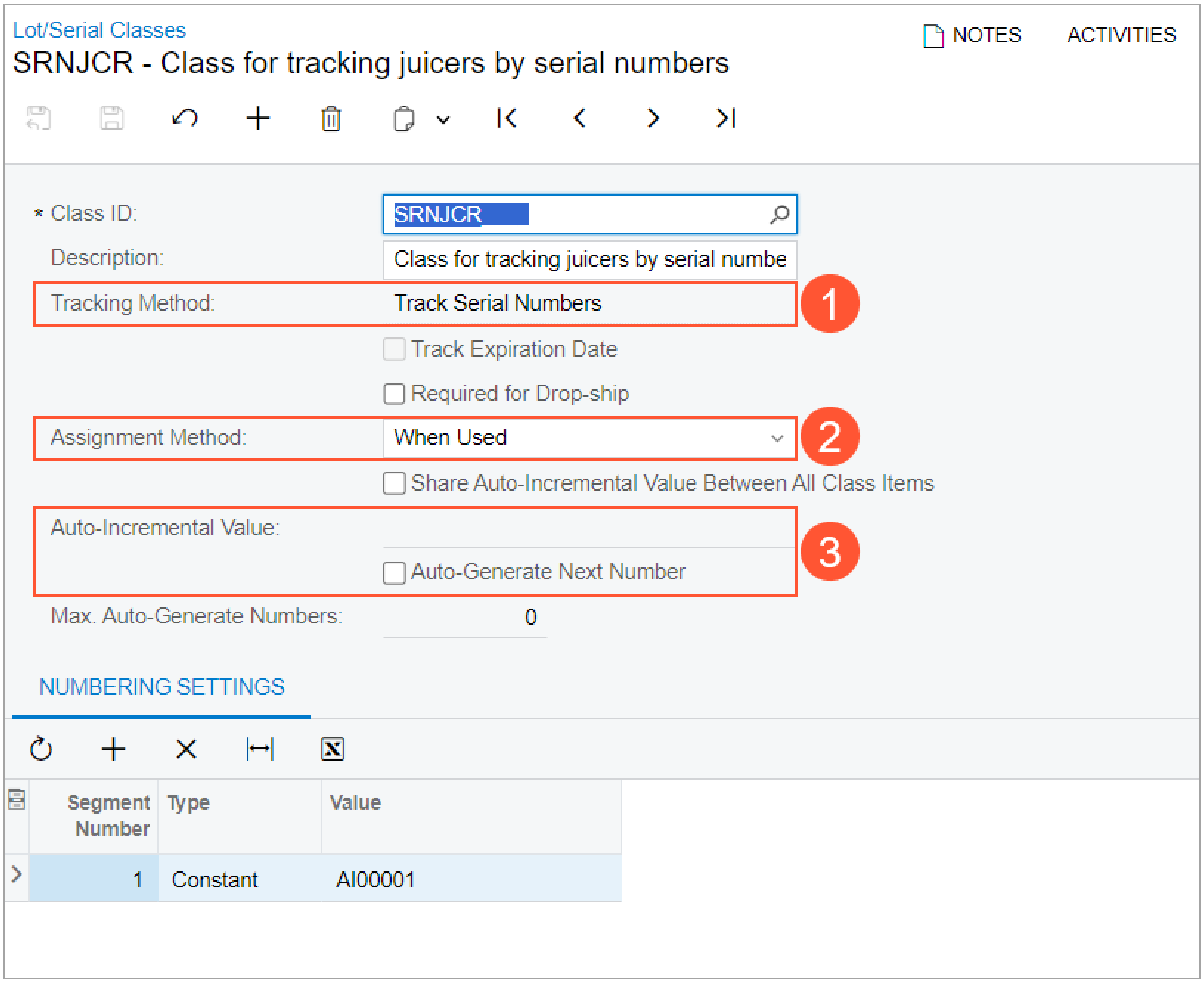


Figure: The stock item's lot or serial class settings

This functionality applies only to customers with a billing cycle set up to process billing for appointments.

The way a lot or serial number can be assigned to a stock item depends on the state of the **Auto-Generate Next Number** check box (Item 3 in the screenshot above) in the settings of the stock item's lot or serial class. The number is assigned as follows:

- If the **Auto-Generate Next Number** check box is selected, the system generates a lot or serial number for the stock item automatically and inserts it in the **Lot/Serial Nbr.** column in the item's line on the **Details** tab of the *Appointments* form.
- If the **Auto-Generate Next Number** check box is cleared, a user can initiate the generation of the lot or serial number on the *Appointments* form. To do this, the user first selects the detail line with the stock item and clicks **Lot/Serial Nbrs.** on the table toolbar of the **Details** tab. The user then clicks **Generate** in the Selection area of the **Line Details** dialog box.

In the **Line Details** dialog box, the following elements have been added to the Selection area (see the following screenshot):

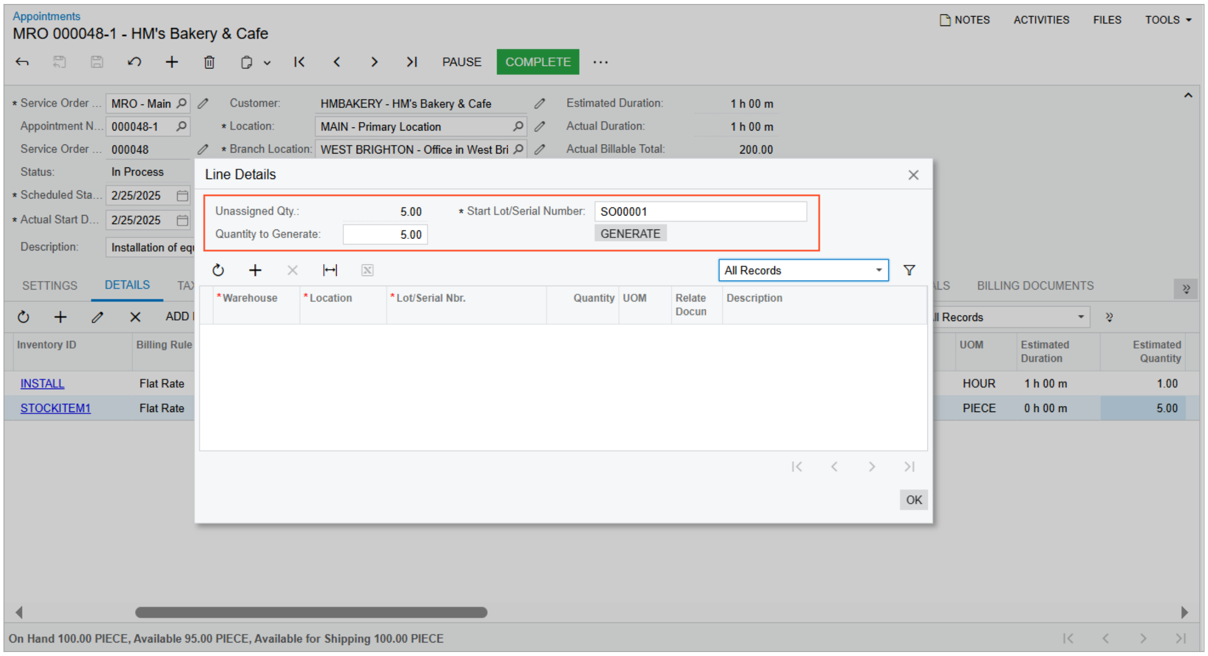


Figure: The new UI elements in the Line Details dialog box

- **Unassigned Qty.**: The quantity of stock items that have no lot or serial numbers assigned.
- **Quantity to Generate**: The quantity of stock items for which lot or serial numbers will be generated. The system automatically inserts the value copied from the **Actual Quantity** column in the stock item's detail line on the **Details** tab. The user can edit this value. If the user specifies a smaller number than the actual quantity, the system generates the specified number of lot or serial numbers. When the user opens the dialog box again to generate lot or serial numbers for the remaining stock items, the system displays the actual quantity minus the number of items for which lot or serial numbers have already been generated.

  For stock items whose lot or serial class settings require auto-generation of the lot or serial number, the **Unassigned Qty.** and **Quantity to Generate** boxes contain *0* by default. This is because the lot or serial numbers are automatically generated by the system when the appointment is saved.
- **Start Lot/Serial Number**: The alphanumeric value to be used as a start number for the lot or serial numbers. The system uses the value specified in the stock item's settings.
- **Generate**: A button that initiates the process of generating lot or serial numbers. When a user clicks this button, the system generates lot or serial numbers for the specified quantity of stock items, and lists them in the **Lot/Serial Nbr.** column, as shown in the following screenshot.

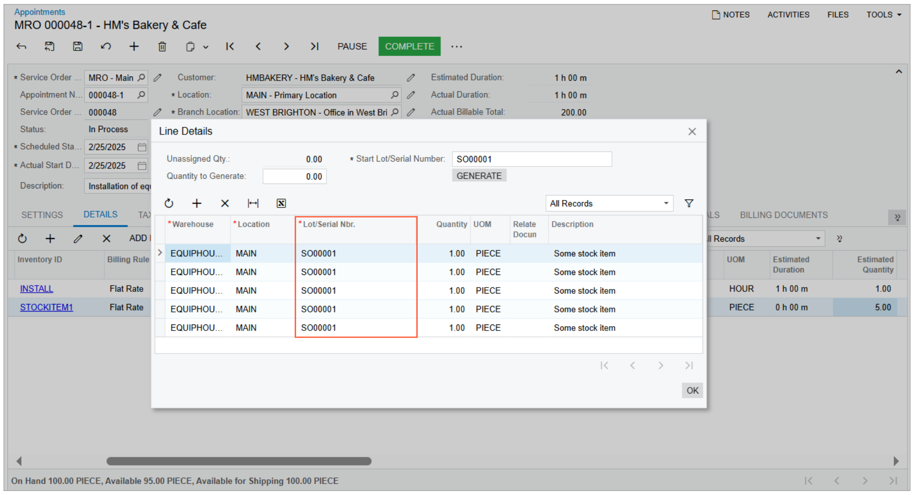


Figure: The generated serial numbers

For stock items with the *When Used* assignment method, lot or serial numbers cannot be generated and assigned in service orders on the *Service Orders* (FS300100) form. Additionally, the serial or lot numbers for stock items with the *When Used* assignment method generated in appointments on the *Appointments* form are not copied to related service orders.

The described functionality is not available in the Acumatica mobile app.

Field Services: Improvements in Managing Project-Specific Inventory

In previous versions of Acumatica ERP, the project-specific inventory functionality was not fully integrated with the service management functionality.

When an appointment or a service order was linked to a project with *Track by Project Quantity and Cost* selected in the **Inventory Tracking** box on the **Summary** tab of the *Projects* (PM301000) form, the system had the following limitations:

- For project stock items (those with the *Project* cost layer) whose lot or serial class had the *Track Serial Numbers* or *Track Lot Numbers* specified as the **Tracking Method** on the *Lot/Serial Classes* (IN207000) form, serial or lot numbers were not available on the **Details** tab of the *Service Orders* (FS300100) and *Appointments* (FS300200) forms.
- For project stock items whose lot or serial class had *Not Tracked* selected as the **Tracking Method** on the *Lot/Serial Classes* form, inventory allocations for the item plans *FS Booked* and *FS Allocated* were created in the system with the *Normal* cost layer. As a result, the available quantities for a specific project displayed in the table footer of the *Service Orders* and *Appointments* forms for a selected item could be inaccurate before the appointment or service order was billed.

Starting in Acumatica ERP 2025 R1, the *Service Orders* and *Appointments* forms have been enhanced to support projects where *Track by Project Quantity and Cost* is specified in the **Inventory Tracking** box on the *Projects* form. These enhancements include the following:

- Serial and lot numbers for project stock items are now available for selection on the *Service Orders* (FS300100) and *Appointments* (FS300200) forms.
- For lines with stock items and a specified project task, the system now displays project-specific quantities in the table footer at the bottom of the **Details** tab of the *Service Orders* and *Appointments* forms.
- The *Project* cost layer is now assigned to inventory allocations created for service documents.

> To make it possible to manage project stock items, the *Project-Specific Inventory* feature must be enabled on the *Enable/Disable Features* (CS100000) form.

These enhancements are described in detail in the next section of this topic.

Improvements to Managing Project Stock Items in Service Documents

For service orders and appointments linked to projects with *Track by Project Quantity and Cost* specified in the **Inventory Tracking** box on the *Projects* (PM301000) form, the following changes have been implemented:

- In the **Line Details** dialog box of the *Service Orders* (FS300100) form, serial or lot numbers are now available in the **Lot/Serial Nbr.** column for a project stock item tracked by serial or lot number. The **Line Details** dialog box opens when a user selects a detail line and click the **Line Details** button on the table toolbar of the **Details** tab (see the following screenshot).

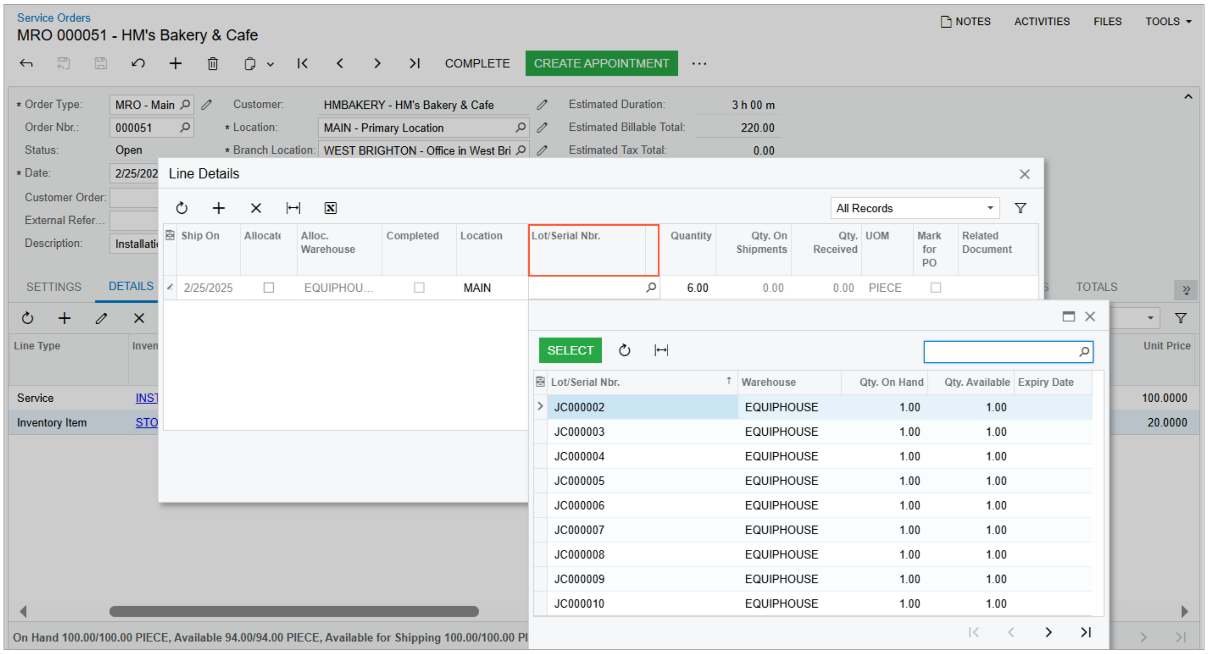


Figure: The lot or serial numbers for a project-reserved stock item

For stock items whose lot or serial class has the *When Used* assignment method specified on the *Lot/Serial Classes* form, a serial or lot number can be assigned only on the *Appointments* (FS300200) form.

- On the *Appointments* form, in the lookup table of the **Lot/Serial Nbr.** column on the **Details** tab, only the serial or lot numbers for the selected project stock item are displayed (see the following screenshot.) A user can select the serial or lot number in this lookup table.

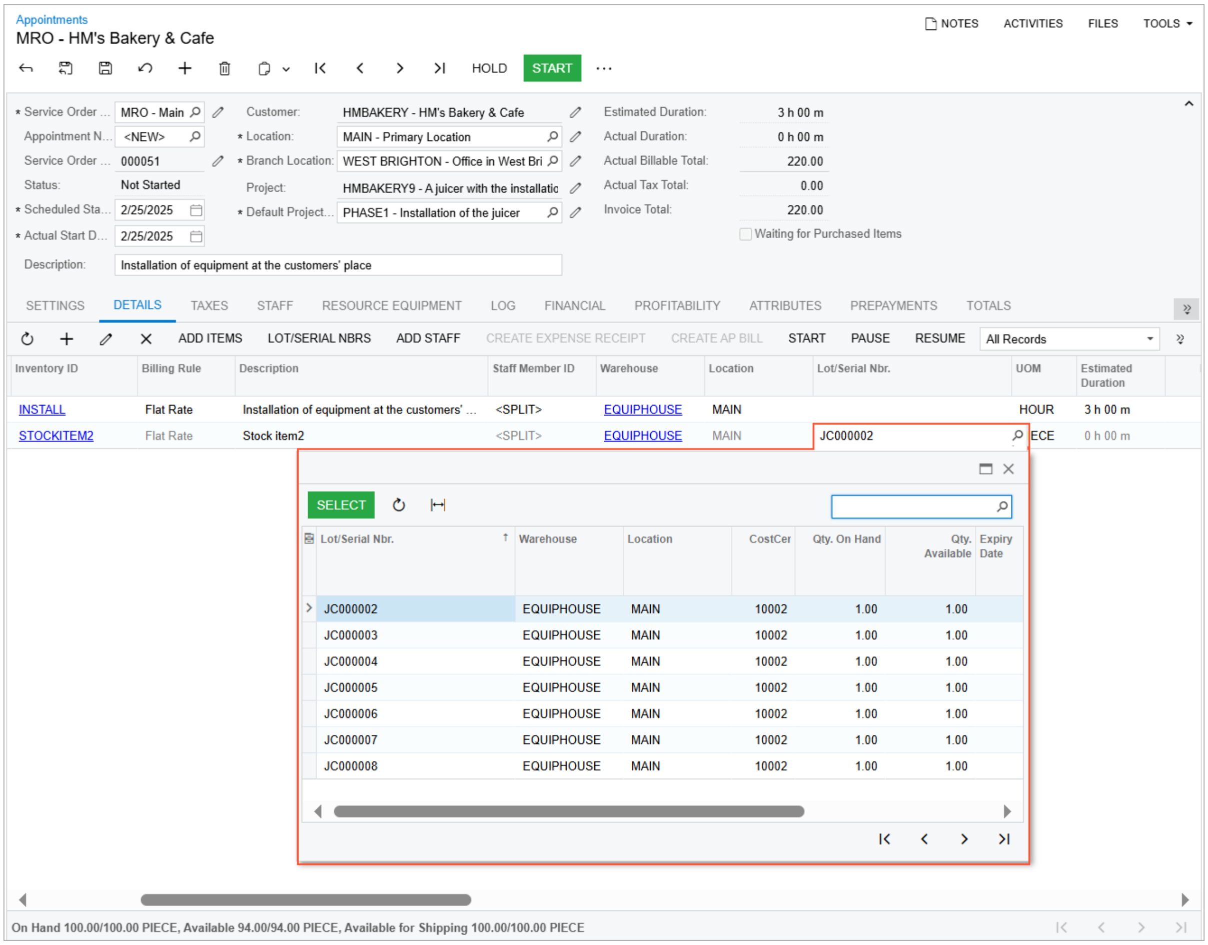


Figure: The list of serial numbers available for the selected project-specific stock item

- On the *Appointments* form, in the **Line Details** dialog box, only serial or lot numbers of the selected project stock item are displayed. (This dialog box opens when a user selects a detail line and clicks **Lot/Serial Nbrs** on the table toolbar.) A user can view the serial or lot number in this box.
- On the *Service Orders* and *Appointments* forms, at the bottom of the **Details** tab, the table footer displays the project stock quantities and free stock quantities of the selected item (see the following screenshot) as follows:
  - The first value (before the slash) shows the available quantity of stock items in the *Project* cost layer related to the selected project and project task.
  - The second value (after the slash) shows the quantity of free stock items (that is, of the *Normal* cost layer) and project stock items stored in the warehouse location that is specified in the line.

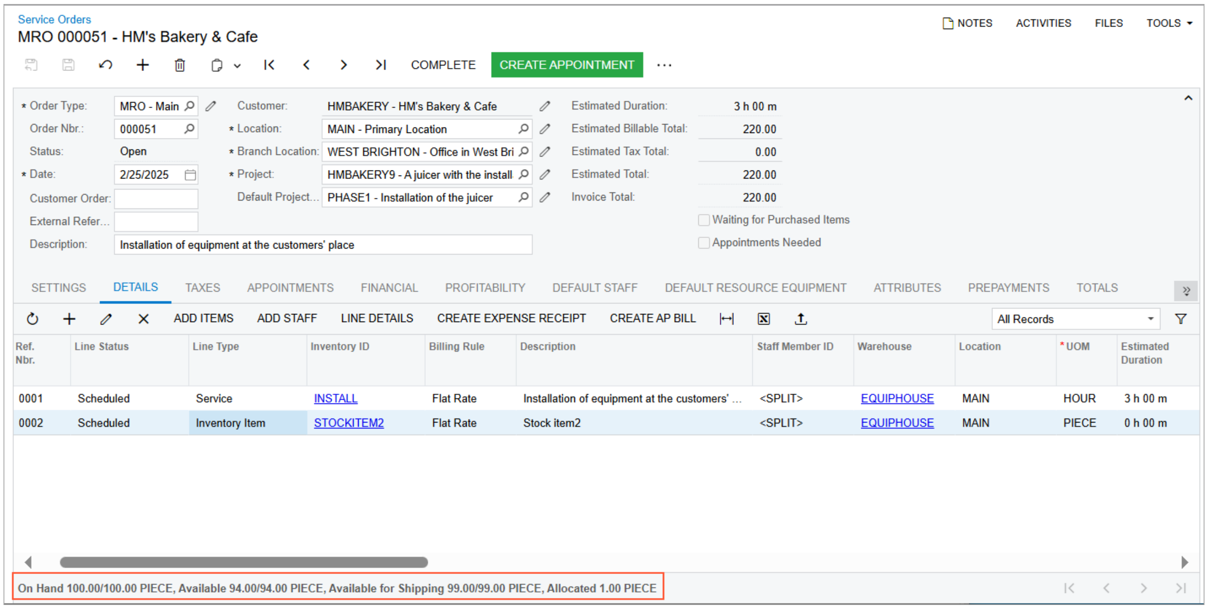


Figure: Project-specific and free stock quantities displayed in the table footer

- The system can now manage the allocation of stock items with a *Project* cost layer type. It automatically determines and assigns the appropriate allocation type (for example, *FS Prepared*, *FS Booked*, and *FS Allocated*) along with the *Project* cost layer when creating allocations for service documents that include project stock items tracked by serial or lot number. Users can view these allocations on the *Inventory Allocation Details* (IN402000) form.

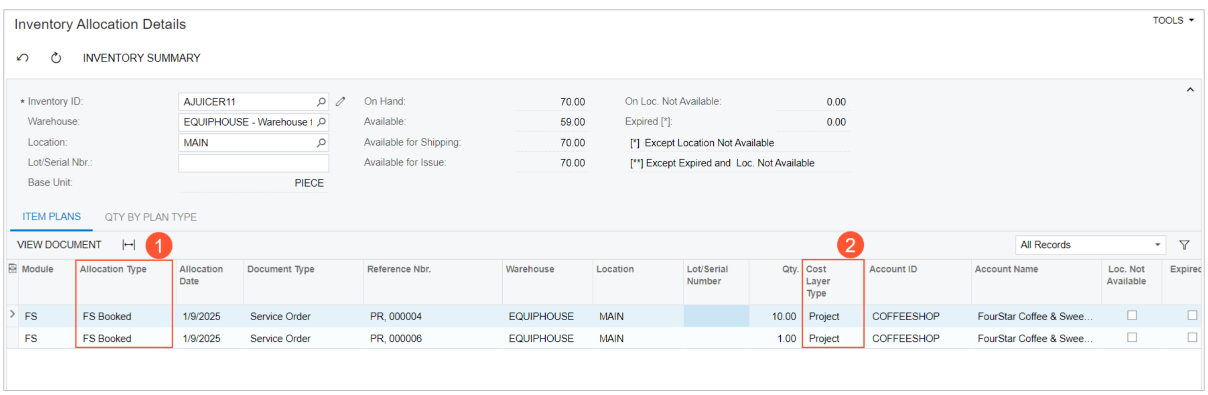


Figure: An allocation type specified according to the Project cost layer

Finance: Increasing of the Authorized Payment Amount

In previous versions of Acumatica ERP, for a payment whose payment method has the *Credit Card* means of payment, a user could capture an amount that was less than or the same as the authorized payment amount. However, there was no way to increase the captured amount so that it exceeded the authorized amount. To work around this limitation, the user could void the authorization and create a new one; however, the system required some time to complete the voiding process. This sometimes resulted in reserving excess funds being reserved on the customer's account.

Starting in Acumatica ERP 2025 R1, for payments by credit card, users can increase the authorized amount. The system will change only the authorized amount in the original transaction. The other transaction settings, such as the expiration date, will not change.

The following sections describe the changes to the UI and document processing to support this functionality.

Changes to the Processing Centers Form

On the *Processing Centers* (CA205000) form, the following sections have been added to the Summary area:

- **Payment Profile** (see Item 1 in the screenshot below). The following check boxes have been moved to this section: **Allow Saving Payment Profiles**, **Synchronize Deletion**, and **Accept Payments from New Cards**.
- **Payment Processing** (Item 2). The following check boxes have been moved to this section: **Accept Payments from POS Terminals**, **Allow Unlinked Refunds**, and **Allow Payment Links**. Also, the new **Allow Increasing Authorized Amounts** check box has been added to the section (Item 3). When this check box is selected, users can increase the authorization amounts for documents on data entry forms. The check box is available only if the selected processing center plug-in supports the functionality of incrementing authorization amounts.

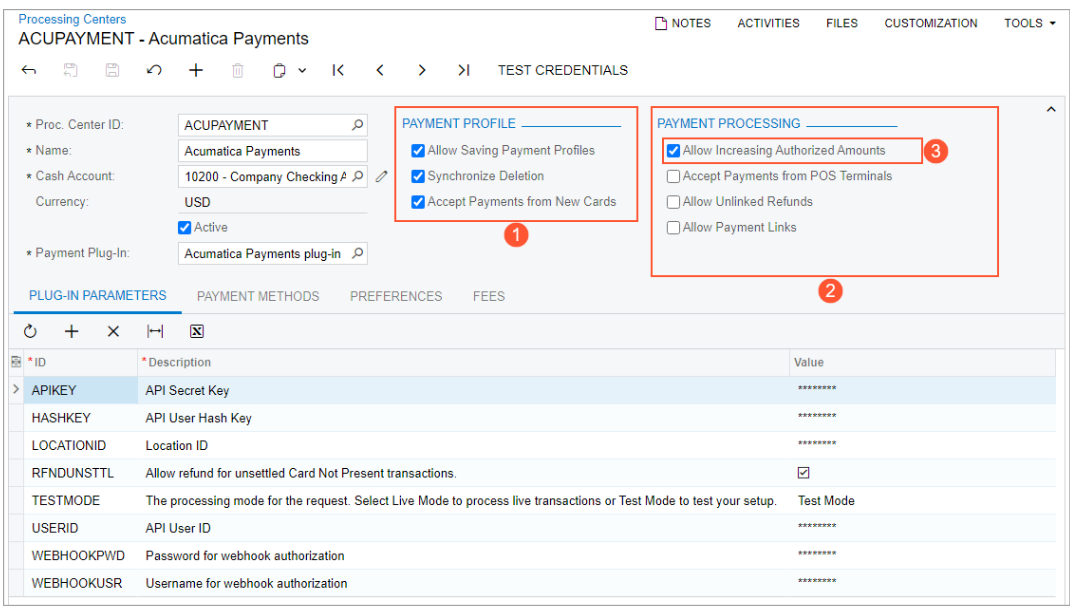


Figure: UI changes on the Processing Centers form

Changes to the Sales Orders Form

On the **Payments** tab of the *Sales Orders* (SO301000) form, the **Increase Authorized Amount** button has been added to the table toolbar (see the screenshot below). This button appears on the form only if the selected order type has one of the following behaviors:

- *Blanket Order*

- *RMA Order*
- *Sales Order*
- *Invoice*

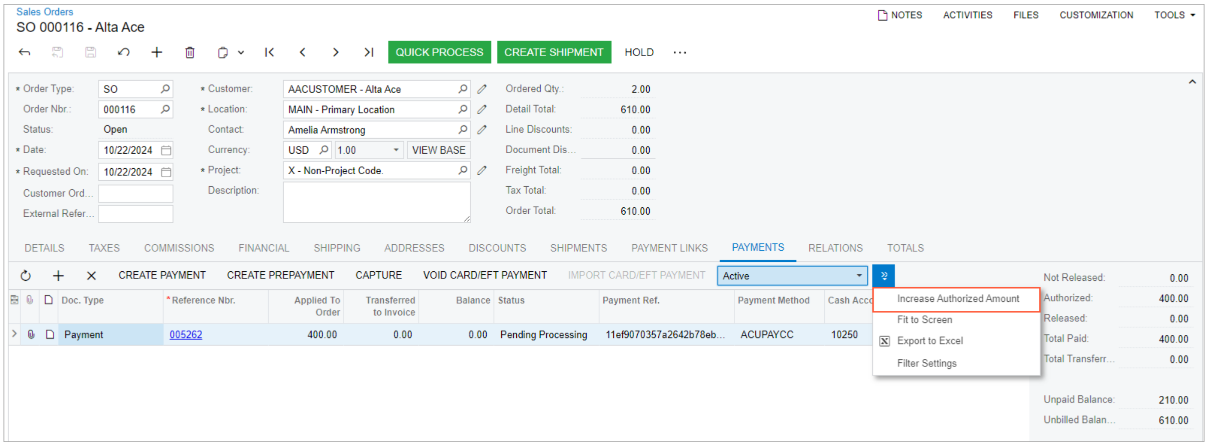


Figure: The Increase Authorized Amount button on the Sales Orders form

The button becomes available if all of the following conditions are met:

- The sales order has an unapplied amount.
- The payment method of the payment selected on the **Payments** tab has the *Credit Card* means of payment specified on the *Payment Methods* (CA204000) form.
- The processing center used for the selected payment has the **Allow Increasing Authorized Amounts** check box selected on the *Processing Centers* (CA205000) form.
- The processing status of the payment on the **Payments** tab of the *Sales Orders* form is *Pre-authorized*.

When the user selects a row with a payment and clicks the **Increase Authorized Amount** button, the **Increase Authorized Amount** dialog box is opened (see the following screenshot).

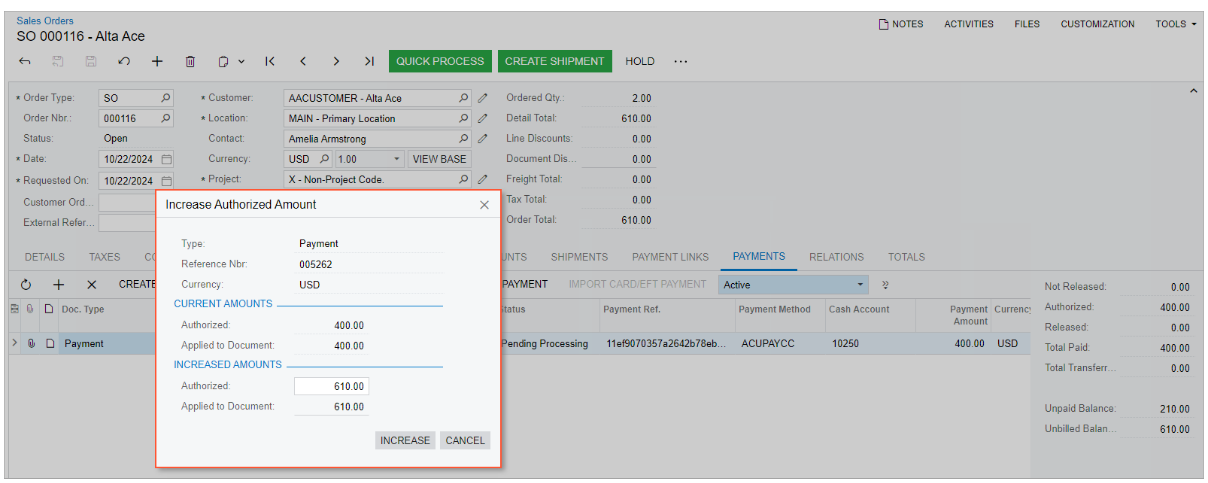


Figure: The Increase Authorized Amount dialog box

Changes to the Invoices Form

On the **Applications** tab of the *Invoices* (SO303000) form, the **Increase Authorized Amount** button has been added to the table toolbar (see Item 1 in the screenshot below).

The button becomes available if all of the following conditions are met:

- The sales invoice has an unapplied amount.
- The payment method of the payment selected on the **Applications** tab of the form has the *Credit Card* means of payment specified on the *Payment Methods* (CA204000) form.
- The processing center used for the selected payment method has the **Allow Increasing Authorized Amounts** check box selected on the *Processing Centers* (CA205000) form.
- The processing status of the payment on the **Applications** tab of the *Invoices* form is *Pre-authorized*.

When the user selects a row with a payment and clicks the **Increase Authorized Amount** button, the **Increase Authorized Amount** dialog box is opened (see Item 2).

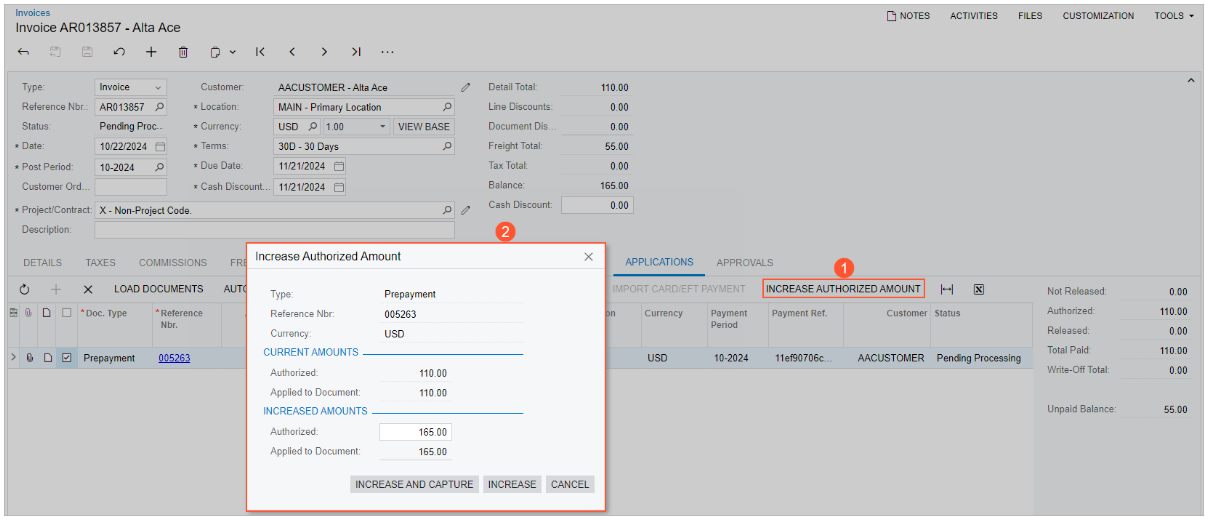


Figure: UI changes on the Invoices form

> If a user clicks this button, the system checks whether the payment is applied to multiple sales invoices or to a sales invoice and a sales order that is not related to the invoice. If this condition is met, the system displays a warning message.

Changes to the Credit Card Processing for Sales Form

On the *Credit Card Processing for Sales* (SO507000) form, the following UI changes have been made:

- In the **Action** box, the *Increase Authorized Amount* option has been added to the drop-down list (see Item 1 in the following screenshot).
- If the *Increase Authorized Amount* option is selected, the **Increased Authorized Amount** and **Increased Applied Amount** columns appear in the table (Item 2).

  The **Increased Authorized Amount** is the unapplied balance of the sales order or sales invoice added to the current amount authorized for the payment. The **Increased Applied Amount** is the amount that will be applied to the sales order or sales invoice after the authorized payment amount is increased.

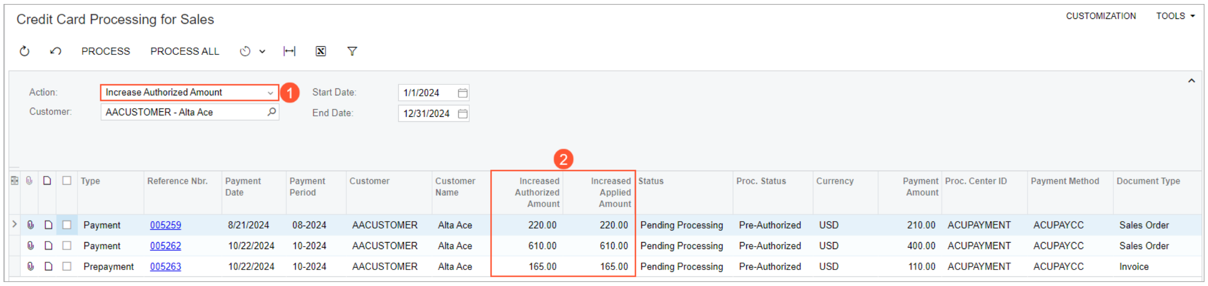


Figure: The UI changes on the Credit Card Processing for Sales form

When a user selects a payment and clicks **Process** or **Process All** on the form toolbar, the system performs the following actions for each selected row:

1. Checks if the payment in each selected row has an available balance. If a payment's balance is greater than 0.00, the system displays an error message.
2. Sends an API request for the rest of the selected payments and updates the payments and their application details upon successful authorization. If the API request has returned an error, the authorized amounts remain the same and the payment amount and applied amount are not updated.

The **Increase Authorized Amount Before Capture** check box has been added to the Selection area of the form (see the following screenshot). The check box appears and is available for selection if the *Capture* option is selected in the **Action** box.

When this check box is selected, the **Increased Authorized Amount** and **Increased Applied Amount** columns appear in the table. If these columns contain values, the authorized payment amount can be increased for the row. If these columns are empty, the capture process will be applied to the payment amount in the row when **Process** is clicked.

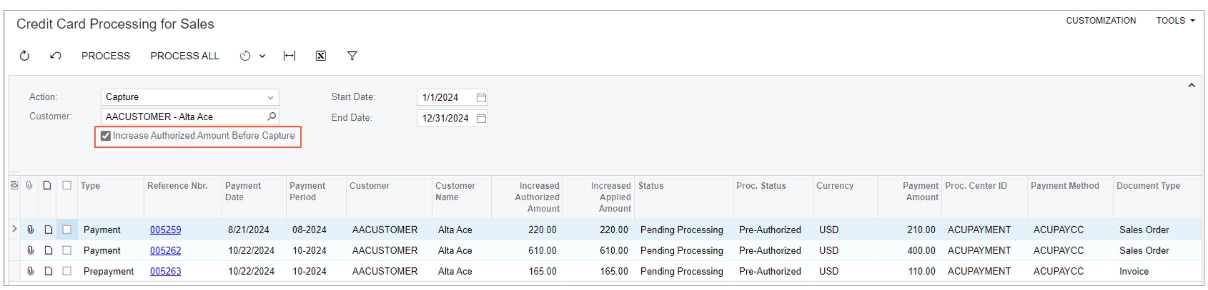


Figure: The Increase Authorized Amount Before Capture check box

With this check box selected, when a user selects a payment and clicks **Process** or **Process All** on the form toolbar, the system performs the following actions for each processed payment:

1. Checks whether the authorized amount can be increased for the payment. If the amount cannot be increased, the system captures the existing amount.
2. If the authorized amount can be increased, does the following:
   a. Checks whether the payment has an available balance and displays an error message if the balance is greater than 0.00.
   b. Checks whether the payment applied to the sales invoice still has an amount applied to the related sales order. If it does, the system displays an error message.
   c. Sends an API request increasing the authorized amount for the payment and updates the payments and their application details upon successful authorization.
   d. Sends an API request for capturing the payment.

   If the API request for increasing the amount returns an error, the system does not capture the amount. It creates a record for each problem payment and displays the error message received from the processing center. The user can then try to capture the payment with the **Increase Authorized Amount Before Capture** check box selected again or clear this check box to capture the current amount.

Changes to the Payments and Applications Form

On the *Payments and Applications* (AR302000) form, if a user clicks **Validate Card Payment** on the More menu, the system does the following:

1. Verifies the transaction amount by comparing the credit card transaction amount and the payment amount in Acumatica ERP
2. If the transaction amount was increased, updates the payment amount and the payment application amount, if possible, in Acumatica ERP

The increased payment amount remains unapplied if either of the following conditions is met:

- The system cannot determine from which application the amount was increased.
- This sales order or sales invoice does not have an unpaid balance.

Additional Information

For more details about increasing the authorized amount in sales orders, see *Sales with Payments and Prepayments: Increasing of the Authorized Amount*.

Finance: Payment Receipts for Released Transactions

In previous versions of Acumatica ERP, after a payment was processed in the system, merchants could not issue the proof of purchase to their customers.

Starting in Acumatica ERP 2025 R1, merchants can generate payment receipts for released transactions. On the *Payments and Applications* (AR302000) and *Cash Sales* (AR304000) forms, a user can send an email with a payment receipt or print the payment receipt. This functionality can be used if the following conditions are met:

- The payment is created with the *Credit Card*, *POS*, or *EFT* payment method, and is captured and released
- The payment is created with the *Cash*, *Check*, or *Direct Deposit* payment method, and is released

The PDF attachment in the generated email includes the payment details and cash sale details. This PDF report can also be printed.

The following sections describe the changes to the UI and document processing to support this functionality.

Changes to the Payment Methods Form

On the *Payment Methods* (CA204000) form, the **Send Payment Receipts Automatically** check box has been added to the **Settings for Use in AR** tab, as shown in the following screenshot.

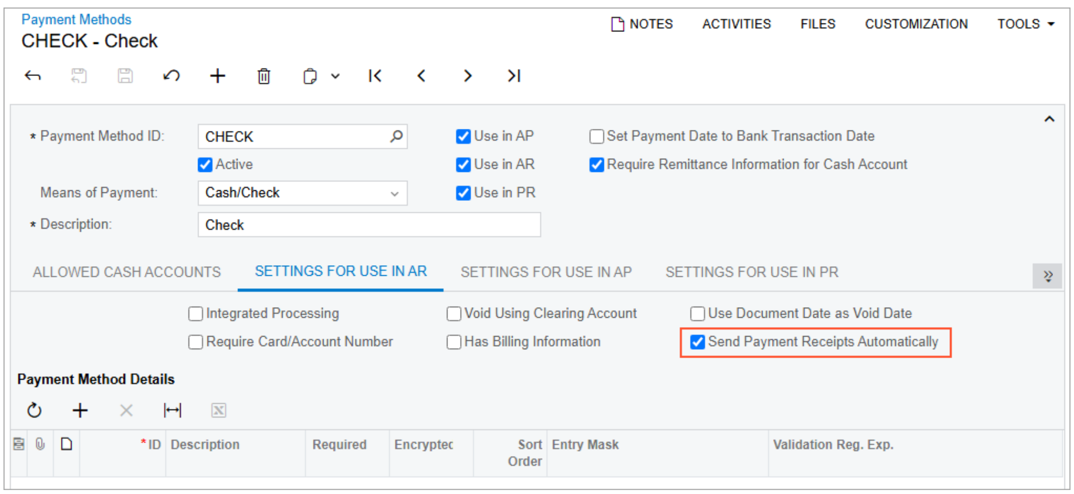


Figure: The Send Payment Receipts Automatically check box

By default, this check box is cleared. If this check box is selected, payment receipts for the specified payment method will be sent automatically from the *Payments and Applications* (AR302000) and *Cash Sales* (AR304000) forms. Regardless of the state of this check box, users will also be able to manually send payment receipts from these forms.

Changes to the Accounts Receivable Preferences Form

On the *Accounts Receivable Preferences* (AR101000) form, the new **Pay Receipt** mailing ID has been added to the table on the **Mailing and Printing** tab, as shown in the following screenshot.

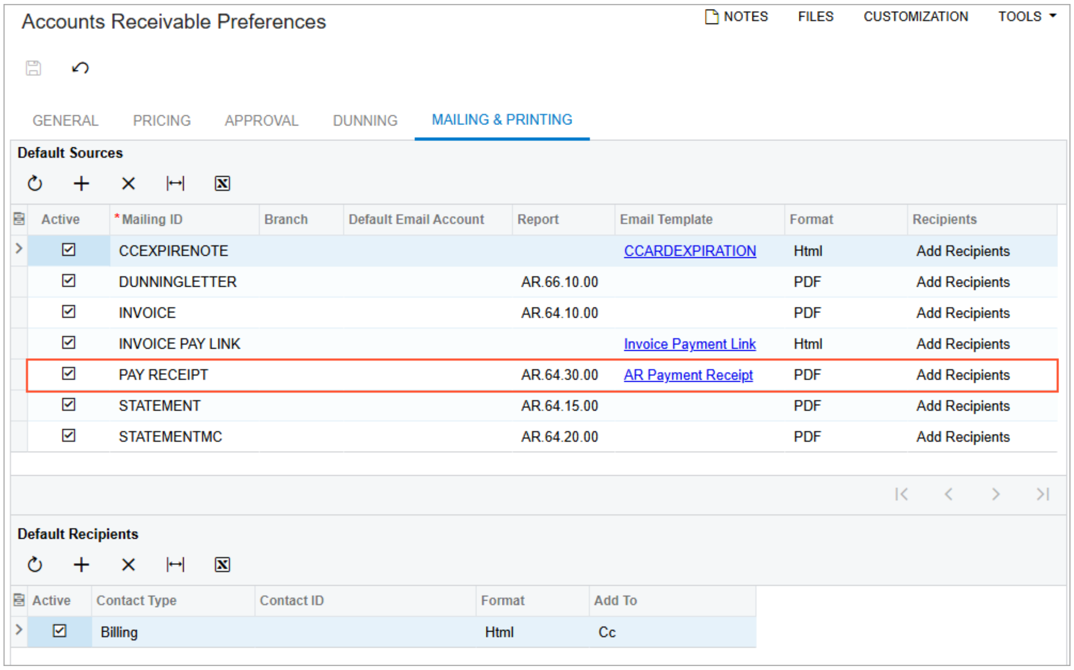


Figure: The Pay Receipt mailing on the Mailing and Printing tab

This row in the table defines the mapping between the mailing and the email template that will be used to send payment receipts from the *Payments and Applications* (AR302000) form. The mailing is active by default. If the organization needs to change or update this mapping, a system administrator can do it on the *Customer Classes* (AR201000) or *Customers* (AR303000) form.

Changes to the Payments and Applications Form

On the More menu of the *Payments and Applications* (AR302000) form, the **Printing and Emailing** section with the following commands has been added:

- **Print Payment Receipt** (see Item 1 in the screenshot below). When a user clicks this command, the system opens the payment receipt on the *Payment Receipt* (AR643000) form where the user can print it.
- **Email Payment Receipt** (Item 2). When a user clicks this command, the system generates an email message to the customer's email address. This address is specified in the **Account Email** box on the **General** tab of the *Customers* (AR303000) form. The user can review the generated email by clicking **Activities** on the title bar of the form.

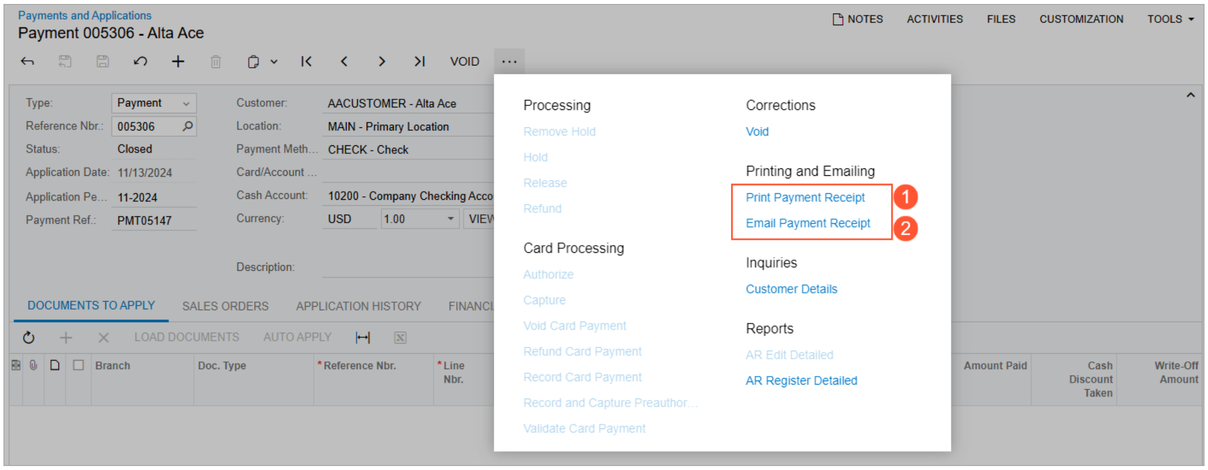


Figure: New commands on the More menu of the Payments and Applications form

Payment receipts can be printed and emailed for all of the following document types: *Payment*, *Prepayment*, *Refund*, *Voided Payment*, and *Voided Refund*.

These commands become available in either of the following cases:

- On the *Payment Methods* (CA204000) form, the **Integrated Processing** check box on the **Settings for Use in AR** tab is selected, the **Means of Payment** is set to *Credit Card*, *POS Terminal*, or *EFT*, and the payment has been successfully captured and released
- On the *Payment Methods* form, the **Integrated Processing** check box is cleared, the **Means of Payment** is set to *Check*, *Cash*, or *Direct Deposit*, and the payment has been successfully released

On the **Financial** tab of the *Payments and Applications* form, the **Print and Email Options** section has been added, as shown in the following screenshot.

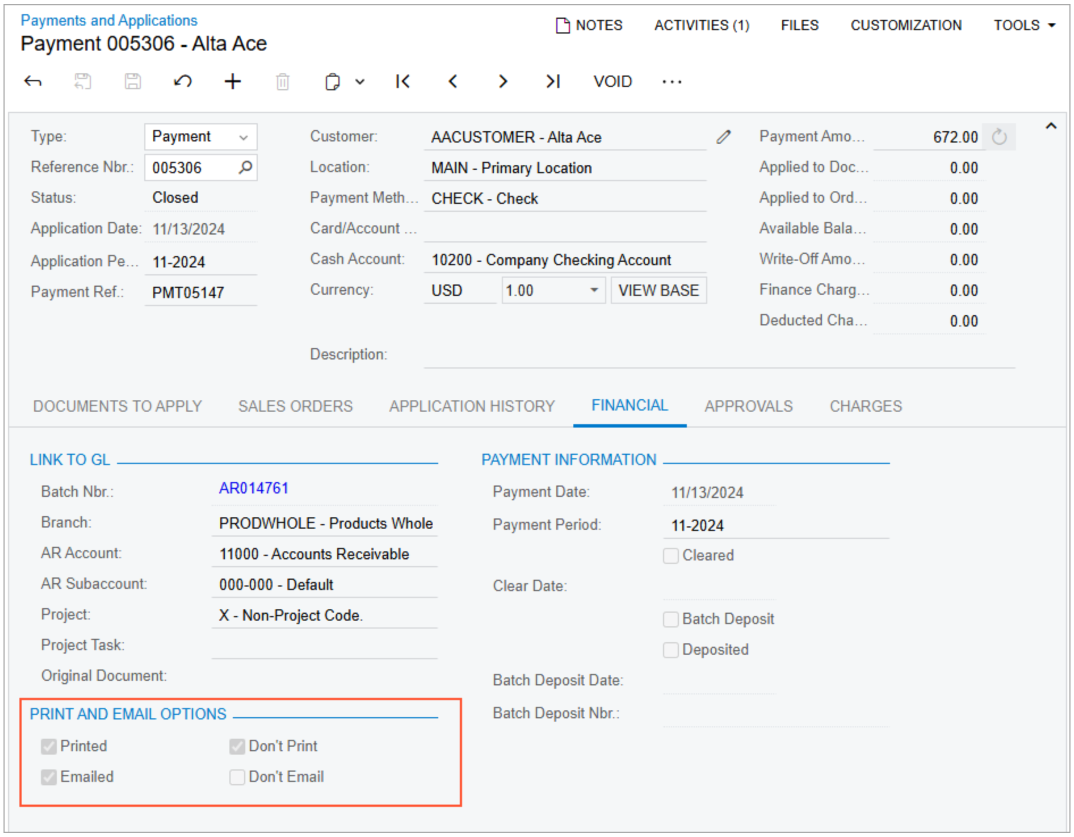


Figure: The Print and Email Options section on the Financial tab

This section contains the following check boxes:

- **Printed**: Read-only. This check box indicates, if selected, that the payment receipt has been printed. By default, this check box is cleared.
- **Emailed**: Read-only. This check box indicates, if selected, that the payment receipt has been emailed. By default, this check box is cleared.
- **Don't Print**: Read-only. This check box is selected by default.
- **Don't Email**: This check box is selected by default. The default state of this check box depends on the state of the **Send Payment Receipts Automatically** check box (**Settings for Use in AR** tab) on the *Payment Methods* (CA204000) form. If the **Send Payment Receipts Automatically** is selected, this check box is cleared. A user can change the state of this check box before the payment opened on the *Payments and Applications* form is captured.

On the **Card Processing** tab of the *Payments and Applications* form, the **Card Number** column has been added to the table, as shown in the following screenshot.

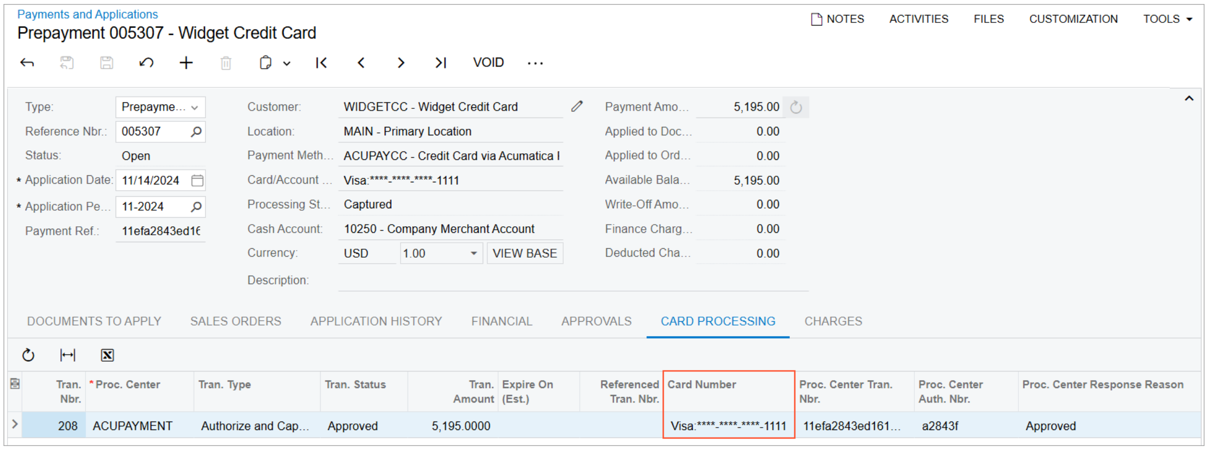
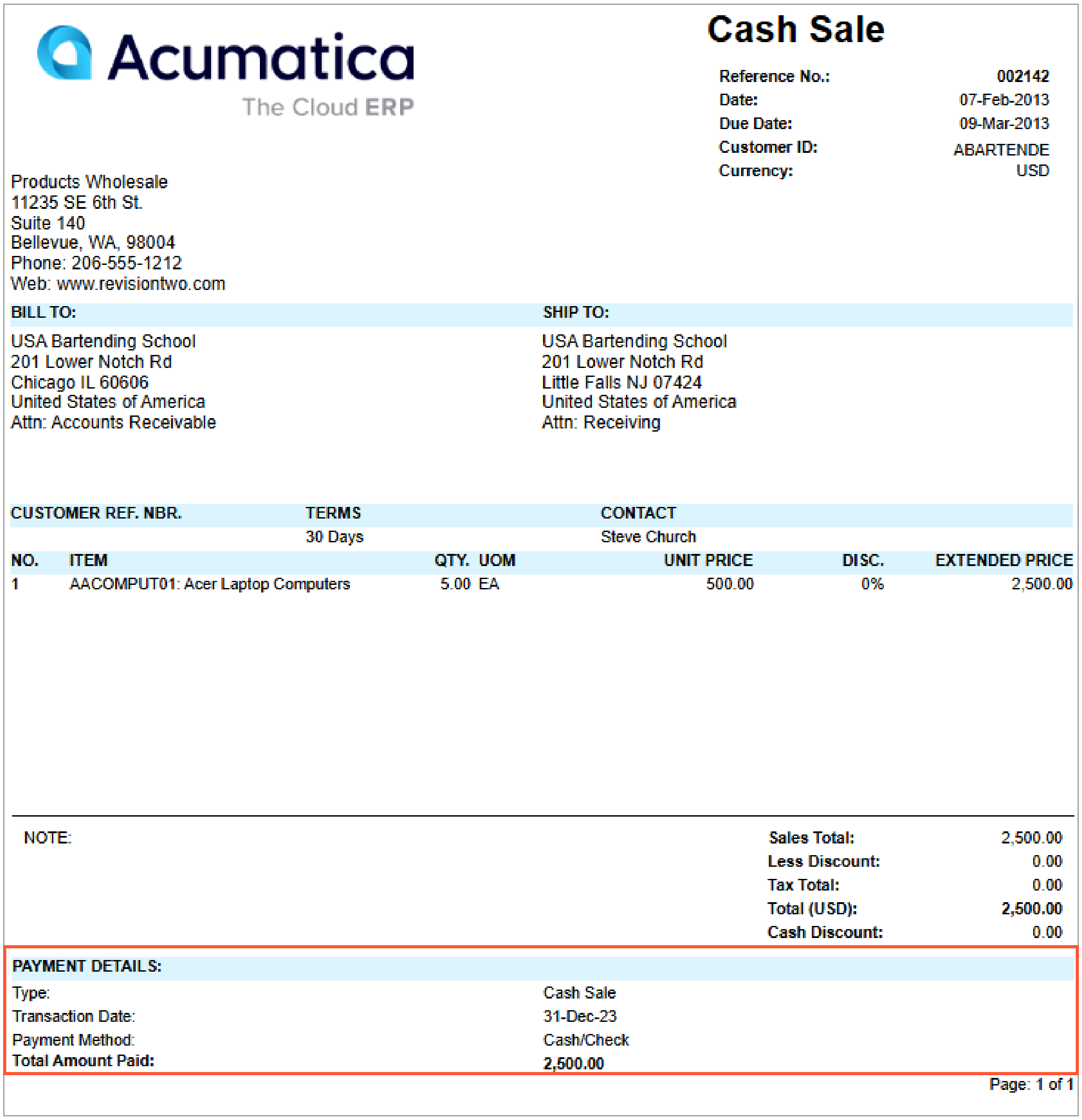


Figure: The Card Number column on the Card Processing tab

In this column, the system displays the last four digits of a masked credit card number, which was used to make a payment if the customer payment method was not saved. These last four digits are stored in the system and are displayed on the *Payments and Applications* (AR302000) and *Cash Sales* (AR304000) form, if the payment is captured with the *Credit Card* or *POS Terminal* payment method.

Changes to the Invoice/Memo Form

On the document printed on the *Invoice/Memo* (AR641000) form, the *Payment Details* section has been added to the bottom of the form, as shown in the following screenshot.



Acumatica
The Cloud ERP

Cash Sale

Reference No.:	002142
Date:	07-Feb-2013
Due Date:	09-Mar-2013
Customer ID:	ABARTENDE
Currency:	USD

Products Wholesale
11235 SE 6th St.
Suite 140
Bellevue, WA, 98004
Phone: 206-555-1212
Web: www.revisiontwo.com

BILL TO:	SHIP TO:
USA Bartending School 201 Lower Notch Rd Chicago IL 60606 United States of America Attn: Accounts Receivable	USA Bartending School 201 Lower Notch Rd Little Falls NJ 07424 United States of America Attn: Receiving

CUSTOMER REF. NBR.	TERMS	CONTACT
	30 Days	Steve Church

NO.	ITEM	QTY.	UOM	UNIT PRICE	DISC.	EXTENDED PRICE
1	AACOMPUT01: Acer Laptop Computers	5.00	EA	500.00	0%	2,500.00

NOTE:

Sales Total:	2,500.00
Less Discount:	0.00
Tax Total:	0.00
Total (USD):	**2,500.00**
Cash Discount:	0.00

PAYMENT DETAILS:

Type:	Cash Sale
Transaction Date:	31-Dec-23
Payment Method:	Cash/Check
Total Amount Paid:	**2,500.00**

Page: 1 of 1

Figure: The updated Invoice/Memo form

This updated form is opened by the system when a user clicks **Print** on the More menu of the *Cash Sales* (AR304000) form.

Changes to the Print Invoices and Memos Form

The *Print Invoices and Memos (AR508000)* form has been modified to support mass-processing of payment receipts and to schedule automation of payment receipts. The following UI changes have been added to the form:

- The form title has been changed from *Print Invoices and Memos* to *Print/Email AR Documents* (Item 1 in the screenshot below).
- In the drop-down list in the **Action** box, the following modifications have been made (Item 2):
  - The title of the *Print* option has been changed to *Print Invoices*. The behavior of this option to print invoices and cash sales remains unchanged.

- The title of the *Email* option has been changed to *Email Invoices*. The behavior of this option to email invoices and cash sales remains unchanged.
- The *Email Payment Receipts* option to process payment receipts has been added.

- The **Payment Method** column (Item 3) has been added to the table. This column displays the payment method used for creating the payment. (For invoices, this column is empty.)

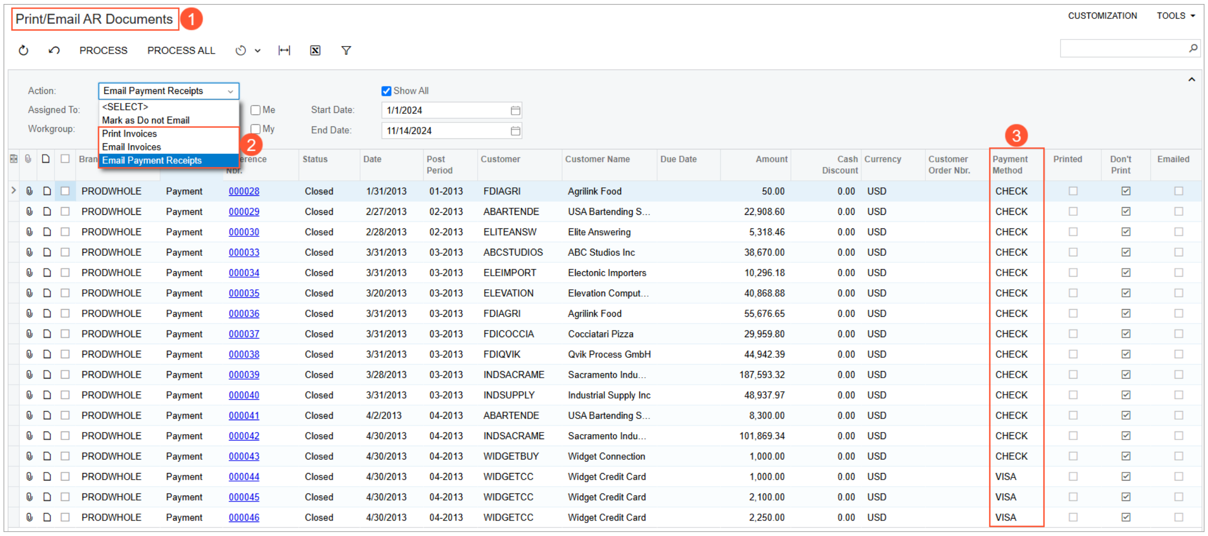


Figure: The UI changes on the Print/Email AR Documents form

The table on the form now displays documents of the following types: *Invoice*, *Debit Memo*, *Credit Memo*, *Overdue Charge*, *Credit WO*, *Cash Sale*, *Cash Return*, *Payment*, *Prepayment*, *Voided Payment*, *Refund*, and *Voided Refund*.

The functionality of the **Show All** check box has been changed as follows:

- If this check box is cleared, the system displays the documents that match the selection criteria and have the **Don't Email** and **Emailed** check boxes cleared on the **Financial** tab of the *Payments and Applications* (AR302000), *Invoices and Memos* (AR301000), or *Cash Sales* (AR304000) form.
- If this check box is selected, all the documents are available for processing regardless of the specified selection criteria.

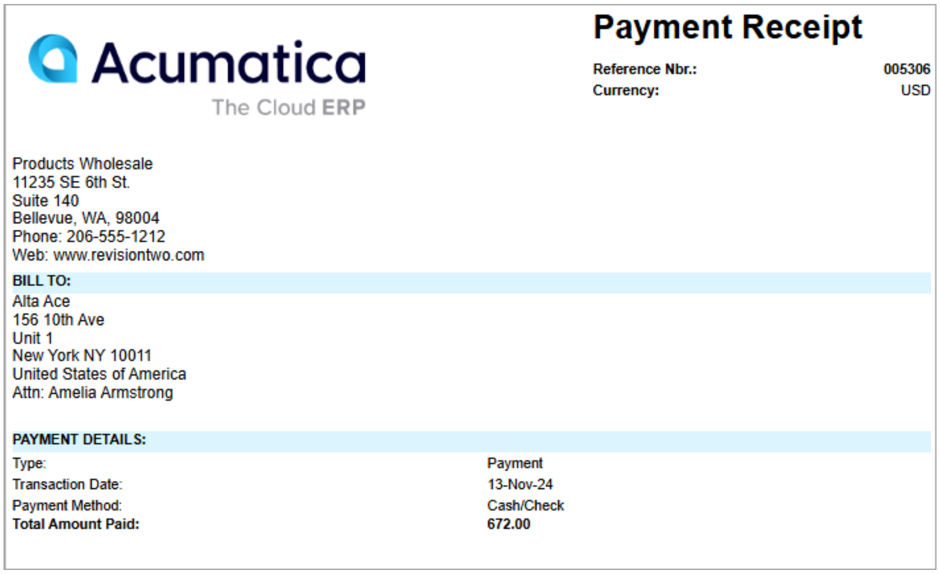
Scheduling of Automatic Receipts

To schedule the automation of payment receipts, an administrative user should perform the following instructions:

1. On the *Payment Methods* (CA204000) form, select the **Send Payment Receipts Automatically** check box for the needed payment methods.
2. On the *Print/Email AR Documents* (AR508000) form, create a schedule. Once the schedule is created, payment receipts will be automatically sent to customers.

The Payment Receipt Report

The new *Payment Receipt* (AR643000) report has been added to the system. The system uses this form to print payment receipts from the *Payments and Applications* (AR302000) form. The printed form of the report is shown in the following screenshot.



Payment Receipt

Reference Nbr.:	**005306**
Currency:	**USD**

Products Wholesale
11235 SE 6th St.
Suite 140
Bellevue, WA, 98004
Phone: 206-555-1212
Web: www.revisiontwo.com

BILL TO:

Alta Ace
156 10th Ave
Unit 1
New York NY 10011
United States of America
Attn: Amelia Armstrong

PAYMENT DETAILS:

Type:	Payment
Transaction Date:	13-Nov-24
Payment Method:	Cash/Check
Total Amount Paid:	**672.00**

Figure: The new Payment Receipt report

The users with the following roles assigned to them will have access to this report: *Administrator*, *AcumaticaSupport*, *AR Admin*, *AR Clerk*, *SO Admin*, *AR Viewer*, and *Sales Manager*.

Upgrade Notes

After an upgrade to Acumatica ERP 2025 R1, the following changes will be made in the system:

- On the *Payment Methods* (AR204000) form, the **Send Payment Receipts Automatically** check box will be cleared for all existing payment methods.
- On the *Payments and Applications* (AR302000) and *Cash Sales* (AR304000) forms, the **Don't Print** and **Don't Email** check boxes for existing documents will be selected. As a result, these documents will not appear for processing on the *Print/Email AR Documents* (AR508000) form.

Additional Information

For more information about payment receipts for cash sales and cash returns, see *Cash Sales and Cash Returns: Payment Receipts*.

For more information about payment receipts for invoice payments, see *Invoice Payments: Payment Receipts*.

For more information about receipts for prepayments, see *Invoice Prepayments: Payment Receipts*.

For more information about payment receipts for refunds, see *Refunds: Payment Receipts*.

Finance: Prepayments from Sales Order Payment Links

In previous versions of Acumatica ERP, a payment received from a payment link for a sales order and sales invoice was created as a document with the *Payment* type. However, it is preferable to create a document for a sales order as a prepayment. (Prepayments are usually posted to a different AR account—Prepayment AR account.)

Starting in Acumatica ERP 2025 R1, a user can specify whether the system must create a document with the *Prepayment* type for payments received from payment links created for sales orders.

On the **Payment Links** tab of the *Processing Centers* (CA205000) form, the **Create from SO Payment Link** box has been added as shown in the following screenshot.

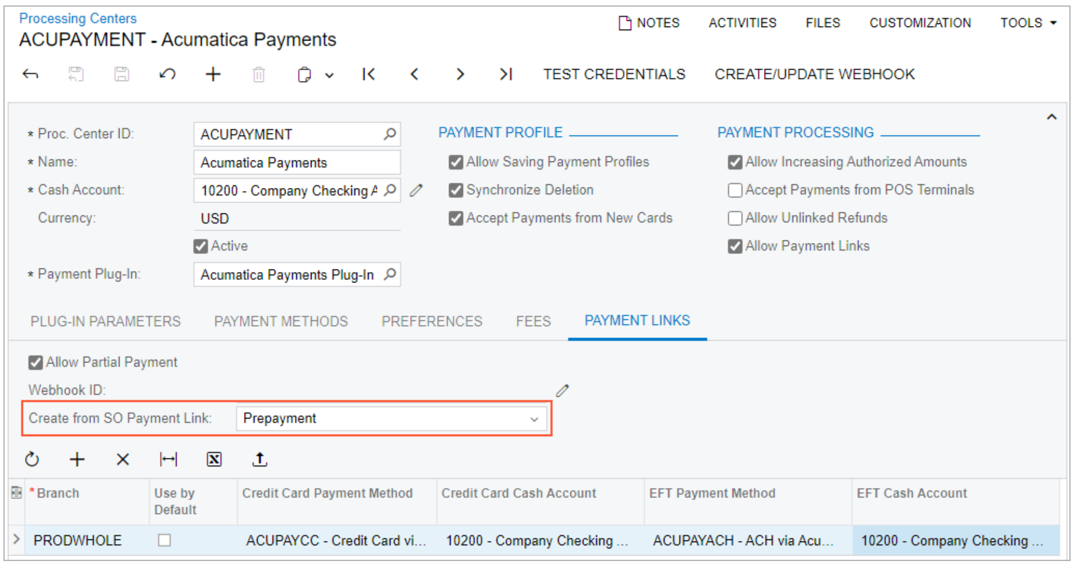


Figure: The Create from SO Payment Link box on the Processing Centers form

This box contains the following options:

- *Payment* (default): The system will create payments from payment links created for sales orders.
- *Prepayment*: The system will create prepayments from payment links created for sales orders.

This change affects payments that are created in the system when a user does one of the following:

- Clicks the **Sync Payment Link** button on the **Payment Links** tab of the *Sales Orders* (SO301000) form
- Selects the *Sync Payment Link* option in the **Action** box on the *Process Payment Links* (AR513500) form, selects the needed row in the table and clicks **Process** on the form toolbar
- Syncs a payment link by using a webhook

Finance: Recording of Finance Charges for Refunds

In previous versions of Acumatica ERP, if a user was entering a refund on the *Payments and Applications* (AR302000) form, they could not add finance charges to the refund on the **Charges** tab.

Starting in Acumatica ERP 2025 R1, users can add charges to refunds and voided refunds on the *Payments and Applications* form. The charge amount can be either a positive value or a negative value.

Entry of Charges for a Refund

On the **Charges** tab of the *Payments and Applications* (AR302000) form, a user can add finance charges to a refund, as shown in the following screenshot.

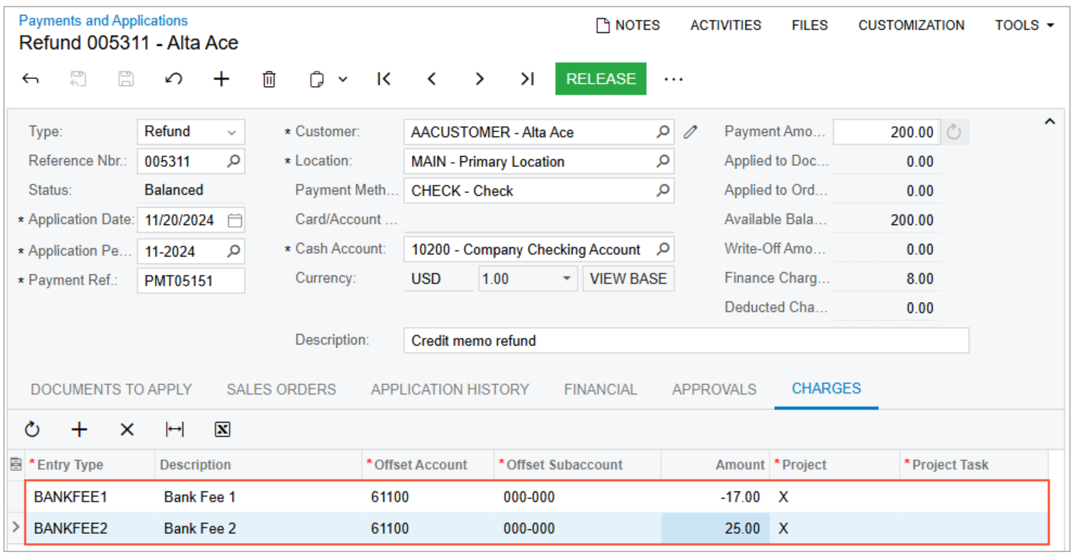


Figure: Finance charges added to a refund

When the refund is released, the positive amount of the charge will credit the cash account, and the negative amount of the charge will debit the cash account. The posted GL transaction is shown in the following screenshot.

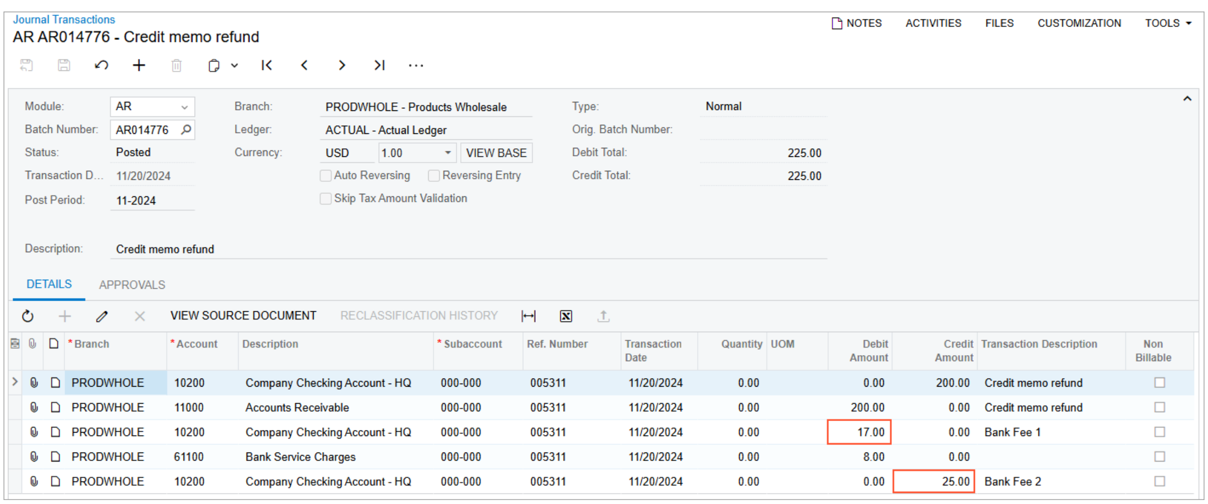


Figure: The GL transaction posted for the refund with charges

Entry of Charges for a Voided Refund

When a user voids a refund on the *Payments and Applications* (AR302000) form, the system creates a document with the *Voided Refund* type. On the **Charges** tab of the form, the system automatically adds charges with the opposite sign of the values in the original refund. A voided refund with charges is shown in the following screenshot.

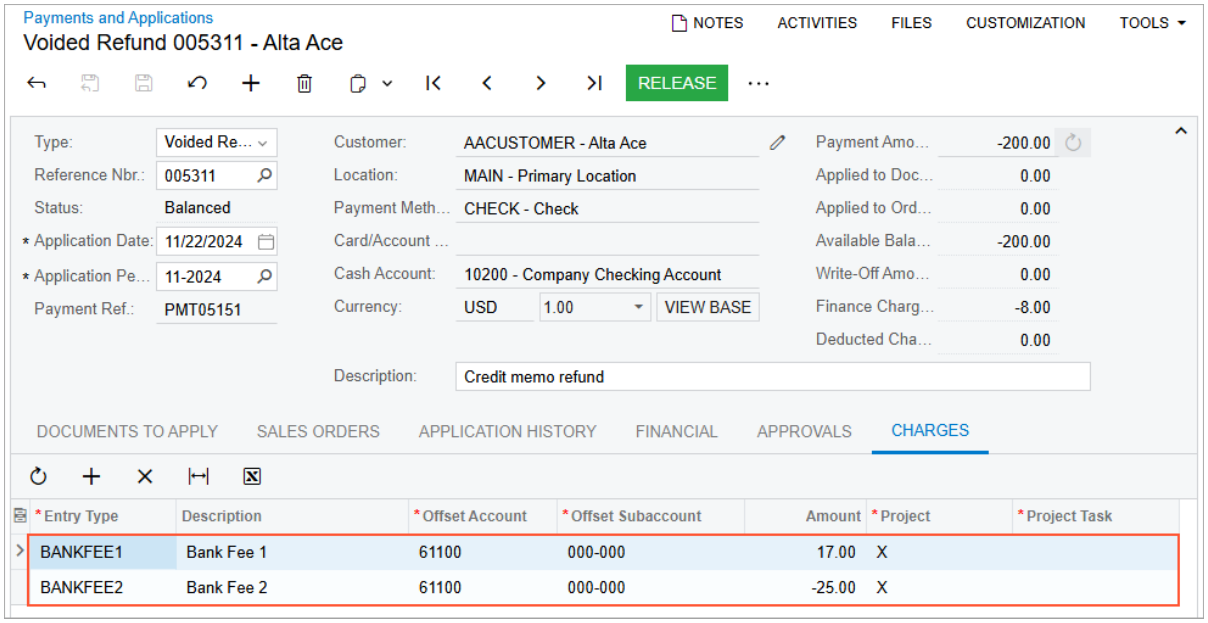


Figure: A voided refund with finance charges

Finance: Support of the BAI2 Format by Bank Feeds

In previous versions, Acumatica ERP did not support the Bank Administration Institute Version 2 (BAI2) format of bank statements. The Balance and Transaction Reporting Standard (BTRS) improves upon the BAI2 format. The BAI2 and BTRS formats are banking industry standards for communicating bank statements electronically.

Starting in Acumatica ERP 2025 R1, the BAI2 and BTRS file formats are supported by bank feeds. When a user retrieves bank feed transactions, the system detects a new file with transactions exported to it by a bank and creates bank transactions for the specified cash account. If a corporate card and employee are specified in the bank feed settings, the system creates expense receipts for them.

This functionality is available in the system if the *Bank Feed Integration* feature is enabled on the *Enable/Disable Features* (CS100000) form.

The following sections describe the changes to the UI and document processing to support this file format.

Changes to the Bank Feeds Form

On the *Bank Feeds* (CA205500) form, the following UI changes have been made:

- In the **File Format** box, the *BAI2 (Bank Administration Institute)* option has been added (Item 1 in the screenshot below). If this option is selected, the system checks for files with `.bai`, `.bai2`, or `.btrs` extension in the specified SFTP folder.

  If the user selects this option, the boxes in the **Source File** section are not shown on the form, except for **Data Provider** (Item 2).
- In the **Source File** section, the system inserts the *Bank Feed BAI2* data provider (Item 3), which it created when the user clicks **Set Up Data Provider**. This type of data provider has been added on the *Data Providers* (SM206015) form and can parse files with BAI, BAI2, and BTRS formats.
- With the *Bank Feed BAI2* data provider specified, the system automatically fills in the table in the **Mapping Rules** section (Item 4) with the mapping rules for required fields, which cannot be edited. However, users can set up mapping for optional fields.

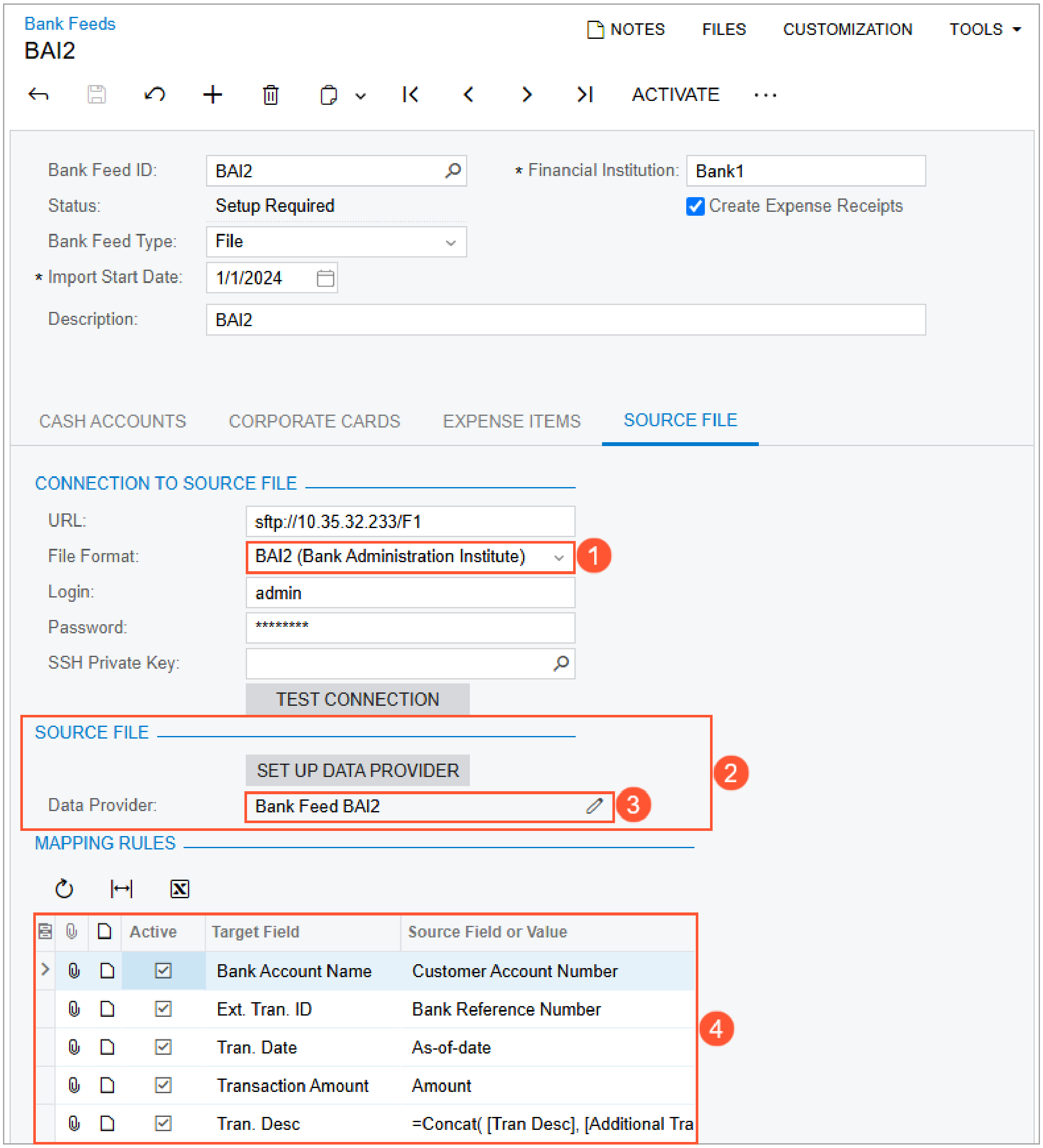


Figure: UI changes on the Bank Feeds form

> The *Bank Reference Number* source field is optional in the BAI2 format, but is required in Acumatica ERP because it is mapped to the transaction ID. The transaction ID is used by the system to identify transactions and avoid duplicate records.

Setup of BAI2 Transaction Retrieval

To set up the functionality of retrieving BAI2 transactions from a bank feed, an administrative user does the following:

1. On the *Bank Feeds* (CA205500) form, creates a bank feed, selecting *BAI2 (Bank Administration Institute)* as the **File Format** and entering credentials to the SFTP folder where the bank stores BAI2 files.

2. Clicks **Set Up Data Provider**. The system creates a new data provider for BAI2 files and inserts it in the **Data Provider** box.
3. Reviews the mapping rules populated by the system and changes the mapping for optional fields, if needed.
4. On the **Cash Accounts** tab of the *Bank Feeds* form, specifies the needed bank accounts and their corresponding cash accounts.
5. Activates the bank feed by clicking **Activate** on the form toolbar. This changes the bank feed's status to *Active*. Now a user can start retrieving bank transactions on the *Retrieve Bank Feed Transactions* (CA507500) form.

Additional Information

For more details about support of the BAI2 format, see *Loading of Bank Feeds from BAI2 Files*.

For details on setting up bank feeds that support the BAI2 format, see *To Set Up Bank Feeds Loaded from the BAI2 Format*.

Finance: Other Improvements

In Acumatica ERP 2025 R1, multiple improvements to financial management processes and the UI have been introduced, as described below.

Refined Validations for a Custom Due Date Type

In previous versions of Acumatica ERP, credit terms with the *Custom* due date type could be created without the dates covering all the dates of a month. As a result, issues occurred when the system tried to insert the default due date in transactions.

In Acumatica ERP 2025 R1, on the *Credit Terms* (CS206500) form, the following refinements have been made to the validations that the system performs if *Custom* is selected in the **Due Date Type** box:

- The system now inserts *1* in the **Day From 1** box for **Due Day 1** (see Item 1 in the screenshot below) to ensure that the beginning of the month is covered. This setting is read-only.
- The value in the **Day To 1** box for **Due Day 1** must (Item 2) be less than *31*; otherwise, the system displays an error message. Also, the day in the **Day To 1** box must be later than or the same as the day specified in the **Day From 1** box. If this condition is not met, the system displays an error message.
- The **Day From 2** setting for **Due Day 2** (Item 3) is now read-only. Its value is one day later than the day in the **Day To 1** box.
- The system inserts *31* in the **Day To 2** box for **Due Day 2** (Item 4) to ensure that the end of the month is covered. This setting is read-only. The day in the **Day To 2** box must be later than or the same as the day specified in the **Day From 2** box. If this condition is not met, the system displays an error message.

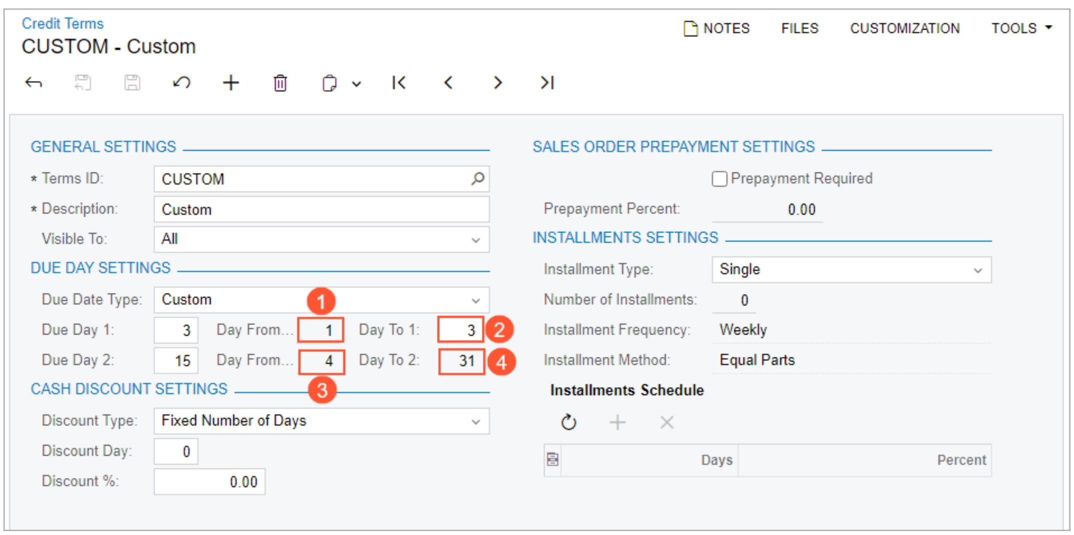


Figure: The boxes with refined validations

Upgrade Notes

After an upgrade to Acumatica ERP 2025 R1, the upgrade script will perform the following changes on the *Credit Terms* form for all existing credit terms with the *Custom* due date type:

- The **Date From 1** box for the first due day will be set to *1* and made read-only.
- The **Date To 2** box for the second due day will be set to *31* and made read-only.

Validation of Acumatica Payments Imported from Shopify

In previous versions of Acumatica ERP, the processing of payments initiated in the Acumatica Payments processing center from Shopify was not supported on the Acumatica ERP side due to missing processing center IDs. (Acumatica ERP uses these IDs for interactions with the processing center when the system performs actions, such as capture, void, or refund.) These IDs were missing because the Acumatica Payments plug-in in Shopify could not save the Acumatica Payments IDs to the Shopify database.

Starting in 2025 R1 RC, Acumatica ERP will support the Acumatica Payments processing center in ecommerce systems that use their internal IDs in interactions with a processing center and do not keep the IDs assigned by the processing center. Users will be able to import payments and refunds from these ecommerce systems into Acumatica ERP.

These payments and refunds must be validated after import. Users can initiate the validation for a particular document on the *Payments and Applications* (AR302000) form or for multiple documents on the *Validate Card Payments* (AR513000) form. The validation process can be scheduled.

Improvements on the Manage Credit Holds Form

In previous versions of Acumatica ERP, if *Credit Hold* was selected in the **Action** box on the *Manage Credit Holds* (AR523000) form and a user selected the **Show All** check box, nothing changed from what was previously shown in the table. If the *Remove Credit Hold* action was selected and the user selected the **Show All** check box, all available records with all statuses were added to the table. This behavior was confusing because with this check box selected, the system should ignore all selection criteria on the form. Also, if one of the dates was not specified in the **Start Date** or the **End Date** box, no records were listed in the table.

To fix these issues, the following changes have been introduced on the *Manage Credit Holds* form:

- The **Show All** check box has been removed from the Selection area.
- If the *Remove Credit Hold* option is selected in the **Action** box, the form's UI changes as follows:
  - The **Start Date** and **End Date** boxes in the Selection area become hidden.
  - The system displays only customers with the *Credit Hold* status.

  The following screenshot illustrates the form with the *Remove Credit Hold* option selected.

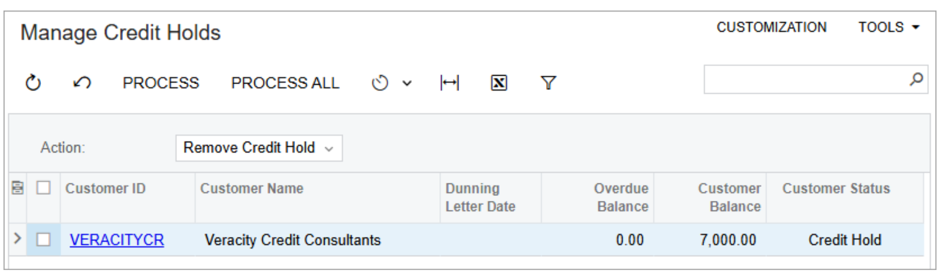
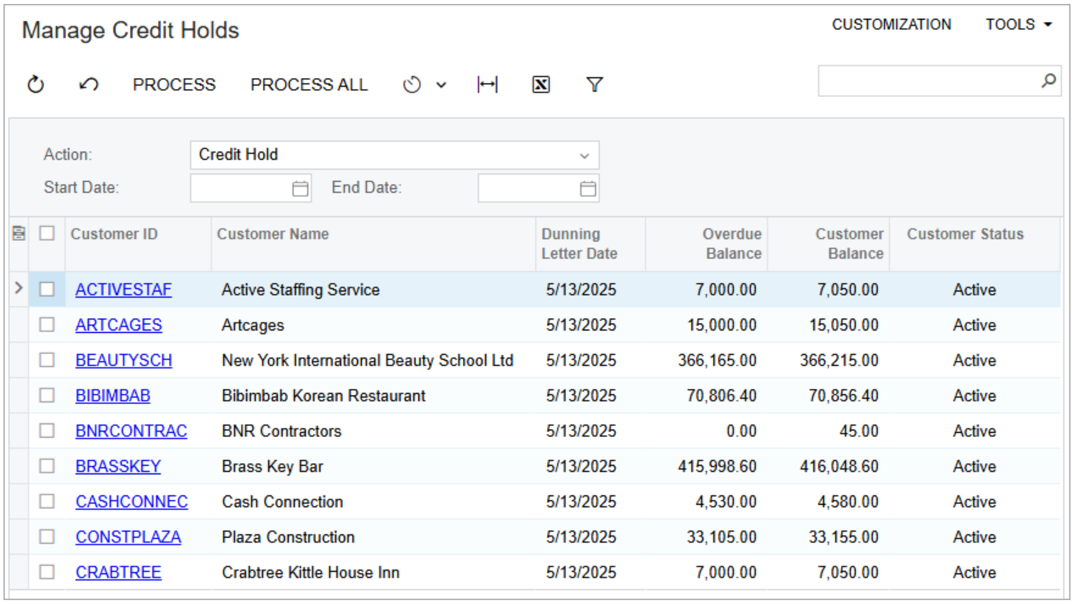
  

  Figure: The form with Remove Credit Hold selected

- If the *Credit Hold* option is selected in the **Action** box, the form's UI changes as follows:
  - The **Start Date** and **End Date** boxes are empty by default.
  - If the start date is specified, the table shows only customers with the *Active* and *One-Time* statuses whose final dunning letter date is later than or the same as the start date.
  - If the end date is specified, the table shows only customers with the *Active* and *One-Time* statuses whose final dunning letter date is earlier than or the same as the end date.

  The following screenshot illustrates the form with the *Credit Hold* option selected.



Manage Credit Holds

CUSTOMIZATION TOOLS

PROCESS PROCESS ALL

Action: Credit Hold

Start Date: End Date:

Customer ID	Customer Name	Dunning Letter Date	Overdue Balance	Customer Balance	Customer Status
ACTIVESTAF	Active Staffing Service	5/13/2025	7,000.00	7,050.00	Active
ARTCAGES	Artcages	5/13/2025	15,000.00	15,050.00	Active
BEAUTYSCH	New York International Beauty School Ltd	5/13/2025	366,165.00	366,215.00	Active
BIBIMBAB	Bibimbab Korean Restaurant	5/13/2025	70,806.40	70,856.40	Active
BNRCONTRAC	BNR Contractors	5/13/2025	0.00	45.00	Active
BRASSKEY	Brass Key Bar	5/13/2025	415,998.60	416,048.60	Active
CASHCONNEC	Cash Connection	5/13/2025	4,530.00	4,580.00	Active
CONSTPLAZA	Plaza Construction	5/13/2025	33,105.00	33,155.00	Active
CRABTREE	Crabtree Kittle House Inn	5/13/2025	7,000.00	7,050.00	Active

Figure: The form with Credit Hold selected

Prevention of Auto-Reopening a Payment Link

In previous versions of Acumatica ERP, if a payment made by using a payment link was voided, the payment link became open again on the processing center's side and no notification was sent to the system. Consequently, the user could create a new payment link for this document, which could result in a duplicated payment.

To prevent the automatic reopening of a payment link, a new API parameter (`auto-reopen`) has been introduced for API requests for payment link creation and sync. This parameter will be set to `false` by the system for all created payment links. As a result, a payment link will remain closed on the processing center's side if the related transaction is voided, refunded, or unlinked.

Deprecated Support for the Authorize.Net Payment Plug-In

Starting in Acumatica ERP 2025 R1, the **Authorize** and **Authorize and Capture** commands on the More menu of accounts receivable forms will no longer be supported for credit card payments created through the Authorize.Net plug-in. As a result, users will no longer be able to create new transactions with Authorize.Net. The **Capture**, **Void**, **Refund**, and **Validate Card Payment** commands will remain available for existing payments with preliminarily authorized transactions. The **Record Card Payment**,**Record and Capture Preauthorization**, and **Import Settlement Batches** commands will also be available. Users will not be able to create new customer payment methods for Authorize.Net.

We encourage companies to take advantage of the Acumatica Payments plug-in, which provides greater functionality, better support, and competitive rates.

The client should contact its partner to learn more about making the transition to Acumatica Payments. If the company uses Acumatica ERP 2023 R2 or a later version, a system administrator can configure the Acumatica Payments plug-in without making any software changes. For more information about Acumatica Payments, see *Configuring and Using Acumatica Payments* and *To Configure Acumatica Payments*.

Cancellation or Correction of an Invoice with Externally Calculated Taxes

In previous versions of Acumatica ERP, an issue arose with canceling or correcting invoices whose taxes were calculated by external tax providers. When a user canceled or corrected such an invoice, the taxes in the created credit memo could differ from those applied to the original invoice. This caused the credit memo to fail when being applied to the invoice and prevented the release of the correction invoice.

For example, the inconsistency between the original invoice and the credit memo could occur when an exemption certificate was added for a customer in the external tax provider account (such as Avalara or Vertex) after the invoice was created and released for this customer in Acumatica ERP. The user’s attempt to correct the invoice failed due to the discrepancy in totals between the original taxed invoice and the tax-free credit memo. This prevented the correction invoice from being released, and an error was displayed.

In Acumatica ERP 2025 R1, the process for canceling or correcting invoices with taxes calculated by external providers has been optimized. When a user cancels or corrects an invoice, the system creates a credit memo with the same taxes and document totals as the original invoice. Thus, the credit memo can be applied to the invoice, and the correction invoice can be released.

Integrations: Ability to Deactivate Ship-Via Codes and External Carriers

In previous versions of Acumatica ERP, users could not deactivate ship-via codes that had been created for discontinued external carriers. When a user shopped for rates for a shipment, these ship-via codes generated additional API calls to carrier services and returned non-functional rates.

Acumatica ERP 2025 R1 delivers the ability to deactivate unused ship-via codes and carriers. The inactive ship-via codes are unavailable for selection and do not generate any API calls to carrier services.

Deactivation of a Ship-Via Code or Carrier

To deactivate an unused ship-via code, the user needs to clear the **Active** check box for this code on the *Ship via Codes* (CS207500) form, as shown in the screenshot below, and save the record.

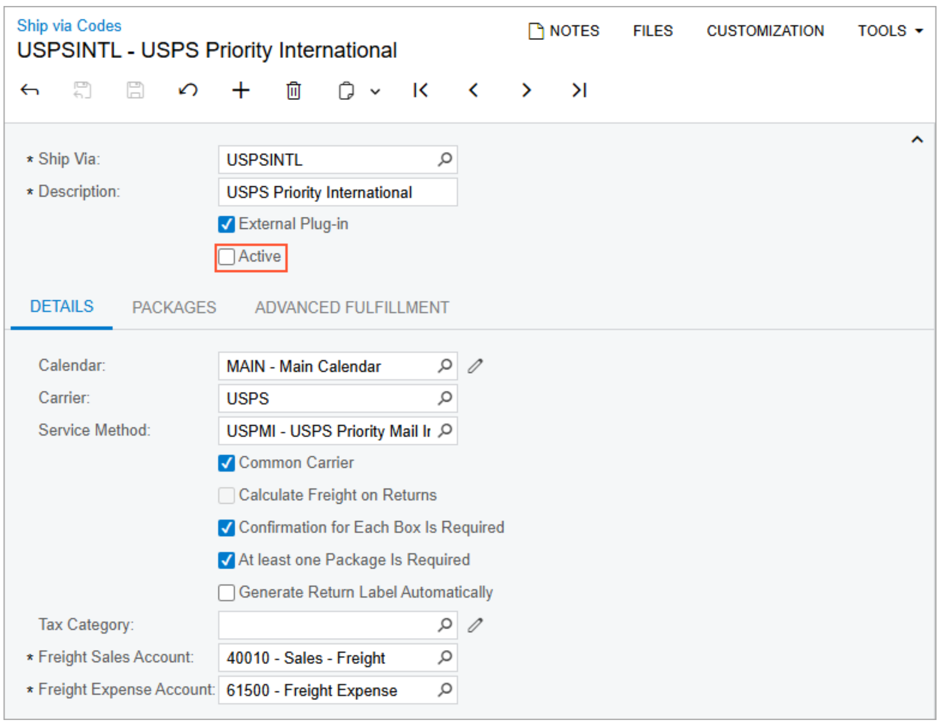


Figure: The Active check box on the Ship via Codes form

To deactivate an unused external carrier, the user needs to clear the **Active** check box for this carrier on the *Carriers* (CS207700) form, as shown in the screenshot below, and save the record.

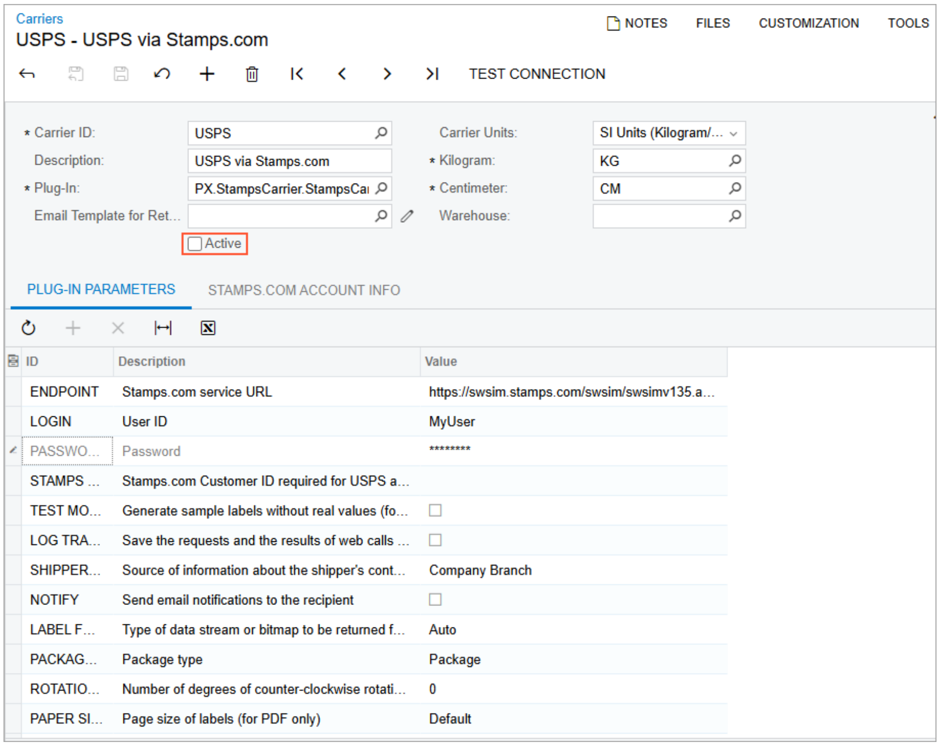


Figure: The Active check box on the Carriers form

If the user deactivates an external carrier that is used in an existing ship-via code, the system will also deactivate this code. That is, on the *Ship via Codes* form, the system will automatically clear the **Active** check box for this code and make it unavailable for editing. If this ship-via code has been selected in an unprocessed sales order or shipment, the system will show an error when the user attempts to complete the document's processing. To proceed with the processing, the user needs to select an active ship-via code.

The **Active** check box is cleared for a new ship-via code or external carrier by default

Upgrade Notes

After the upgrade to Acumatica ERP 2025 R1, for all existing ship-via codes and carriers, the **Active** check box will be selected by default.

Integrations: Filtering in the Shop for Rates Dialog Box

In previous versions of Acumatica ERP, if a user updated the rates in the **Shop for Rates** dialog box on the *Sales Orders* (SO301000), *Shipments* (SO302000), or *Pick, Pack, and Ship* (SO302020) form, the list of carrier rates started with the rates that returned errors or had an amount of *0*.

Starting in Acumatica ERP 2025 R1, the Quick Filter and **Filter Settings** buttons have been added to the filtering area of the **Shop for Rates** dialog box. By default, the *Available Rates* quick filter (Item 1 in the following screenshot) is applied to the **Carrier Rates** table. With this quick filter applied, a user can have all the available rates at hand (Item 2). To see all the rates, the user can click the Quick Filter button and select *All Records*.

Also, the **Filter Settings** button has been added to the filtering area dialog box (Item 3). By clicking this button, a user can open the **Filter Settings** dialog box and specify additional filtering conditions for the following properties: *Selected*, *Code*, *Description*, *Amount*, *Days in Transit*, and *Delivery Date*.

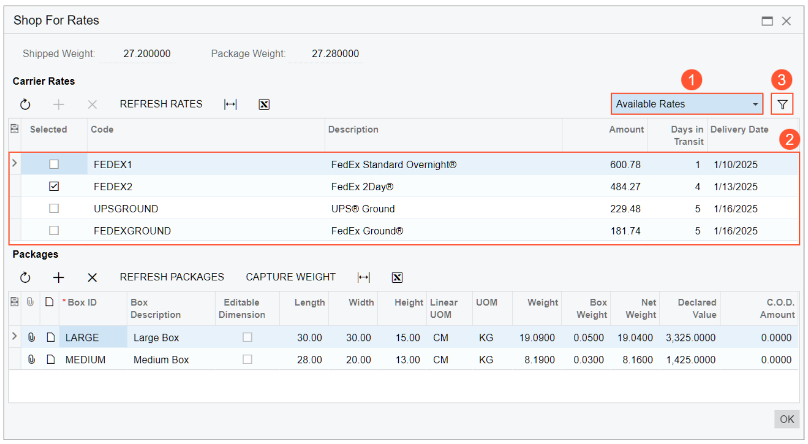


Figure: Filtering in the Shop for Rates dialog box

Integrations: Multiple Access Tokens for Each External Application

When integrating Acumatica ERP with third-party services, administrators create external applications that connect Acumatica ERP and these services. To verify users, these services often employ the OAuth authorization protocol, allowing these users to sign in on behalf of a specific account and receive an access token. This token is then used to request data that is available to the particular user. For certain services, such as Microsoft Exchange or Gmail, a separate access token must be specified for each user, to ensure that they can access only their own data.

In earlier versions of Acumatica ERP, each external application could use only a single access token. As a result, administrators had to create a separate external application for every third-party user, which created a significant burden for both users and administrators.

However, in Acumatica ERP 2025 R1, administrators can now create multi-token external applications—that is, applications having a single set of application parameters and multiple tokens associated with different users.

For example, administrators can now integrate the Gmail and Microsoft 365 email services as external applications that share a common set of application parameters, while allowing different users to specify their personal access tokens.

Changes to the External Applications Form

On the *External Applications* (SM301000) form, the following changes have been made to support multiple-token OAuth 2.0 applications:

- The new *OAuth 2.0* option is available in the **Type** box (Item 1 in the following screenshot).
- The **Authorization Endpoint** and **Token Endpoint** boxes have been added (Item 2). In these boxes, the administrator enters the URLs to send authorization and token requests, respectively. These boxes appear only when the *OAuth 2.0* type is selected.
- The **Authentication Token** section was replaced with the **Tokens** tab, which lists the access tokens obtained for the application.
- The **Return URL** box has been removed and replaced with the **View Redirect URI** toolbar button.
- The **Sign In** command on the More menu becomes disabled for multi-token applications. To sign into the third-party services, users now need to use the **Sign In** commands on the *User Profile* (SM203010) or *Email Accounts* (SM204002) form.

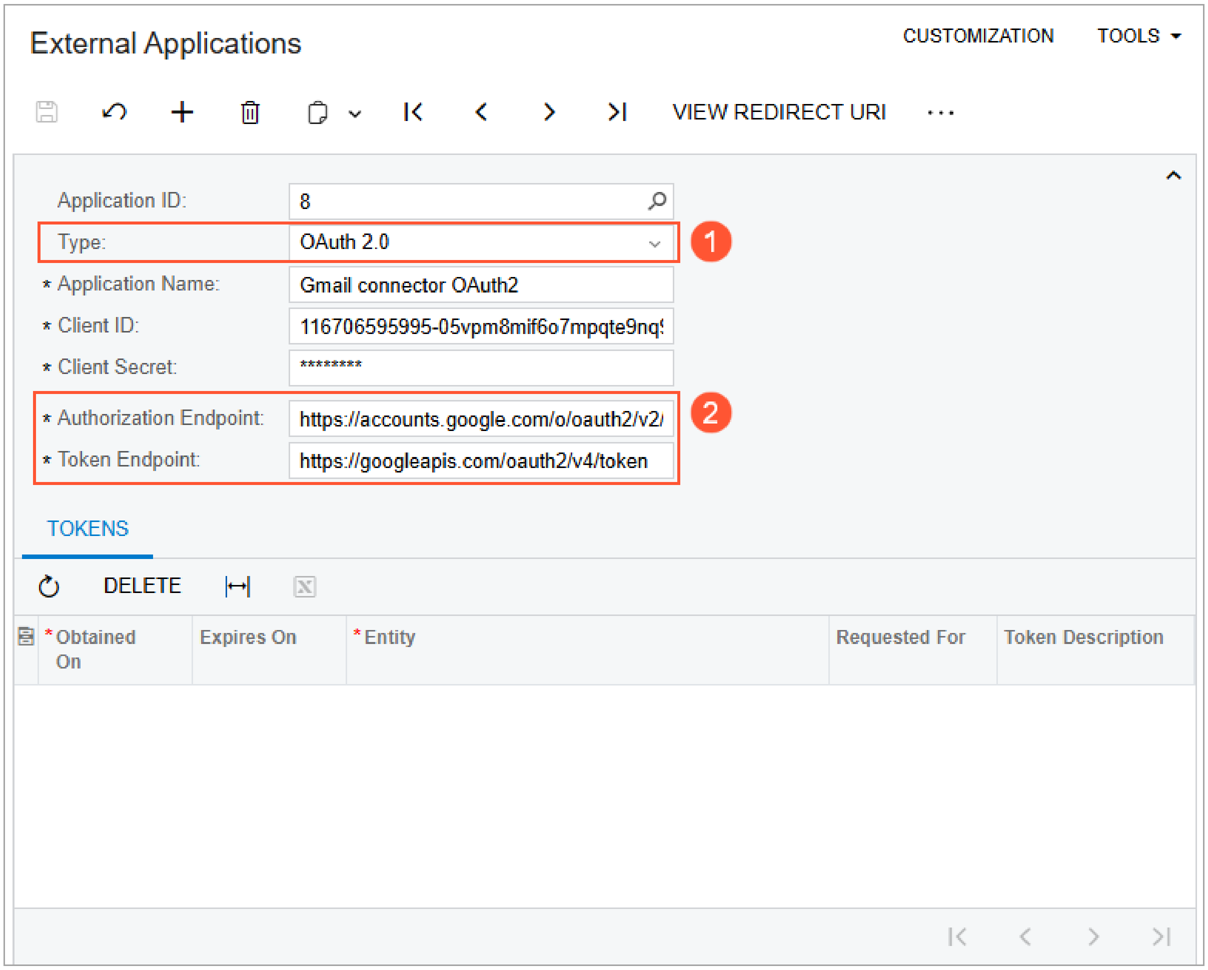


Figure: Multi-token external application

Changes to the Email Accounts Form

On the *Email Accounts* (SM204002) form, the following changes have been made to support multiple-token external applications for the Gmail and Microsoft 365 email services:

- The new *OAuth 2.0 for Gmail* and *OAuth 2.0 for Microsoft 365* options are available in the **Authentication Method** box (Item 1 in the following screenshot).

  Accounts that use these authentication methods can share external application parameters and have their own personal access tokens. When an administrator selects one of these options, the administrator should then select an application of the new *OAuth 2.0* type in the **External Application** box.
- The **OAuth2 Scopes** and **OAuth2 Parameters** boxes have been added (Item 2). These boxes contain predefined values of scopes and parameters that the system will use when issuing access tokens, but administrators have the flexibility to modify these values if necessary. These boxes appear only when *OAuth 2.0 for Gmail* or *OAuth 2.0 for Microsoft 365* is selected in the **Authentication Method** box.

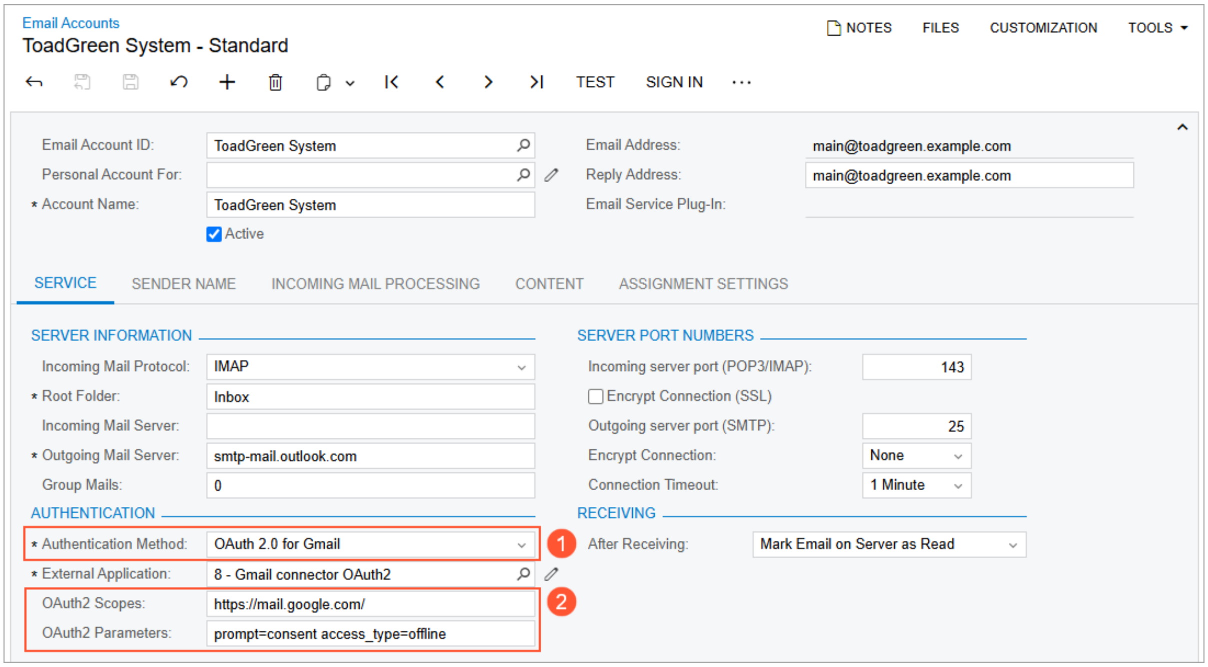


Figure: Email account settings for personal token OAuth authorization

Integrations: Removal of Obsolete FedEx and UPS Plug-Ins

In Acumatica ERP 2025 R1, obsolete plug-ins for the FedEx and UPS carrier services have been removed.

Removal of the Obsolete FedEx Plug-In

On August 31, 2024, FedEx stopped supporting its SOAP API.

Starting in Acumatica ERP 2025 R1, the FedEx SOAP API is no longer supported, and the obsolete *FedEx* plug-in with the `PX.FedExCarrier.FedExCarrier` type has been removed. The system administrator should select the *FedEx Rest* plug-in with the `PX.FedExRestCarrier.FedExRestCarrier` type in the **Plug-In** box on the *Carriers* (CS207700) form instead.

Removal of the Obsolete UPS Plug-In

On June 3, 2024, UPS stopped using its SOAP API.

Starting in Acumatica ERP 2025 R1, the UPS SOAP API is no longer supported, and the obsolete *UPS* plug-in with the `PX.UpsCarrier.UpsCarrier` type has been removed. The system administrator should select the *UPS Rest* plug-in with the `PX.UpsRestCarrier.UpsRestCarrier` type in the **Plug-In** box on the *Carriers* (CS207700) form instead.

Inventory and Order Management: Capturing Weights of Packages from DeviceHub

In previous versions of Acumatica ERP, the use of a scale connected to DeviceHub for weighing packages was limited to the scenario of packing shipments on the *Pick, Pack, and Ship* (SO302020) form. The users who added packages to shipments on the *Shipments* (SO302000) form could only type the weight of a package manually.

Starting in Acumatica ERP 2025 R1, users can capture the weighing result from DeviceHub on the **Packages** tab and in the **Shop for Rates** dialog box on the *Shipments* form.

This functionality is available only if the *DeviceHub* feature is enabled on the *Enable/Disable Features* (CS100000) form.

Capture of the Weight of a Package on the Packages Tab

A user may need to specify the weight of a package on the **Packages** tab of the *Shipments* (SO302000) form while preparing a shipment for sending it to an external carrier service. To perform this operation, the user selects the package and clicks the new **Capture Weight** button on the table toolbar of the upper table on this tab (Item 1 in the following screenshot). If a default scale is specified for the user account, the system automatically inserts this scale's value from the **Last Weight** column on the *Scales* (SM206530) form into the **Weight** column on the **Packages** tab of the *Shipments* form (Item 2).

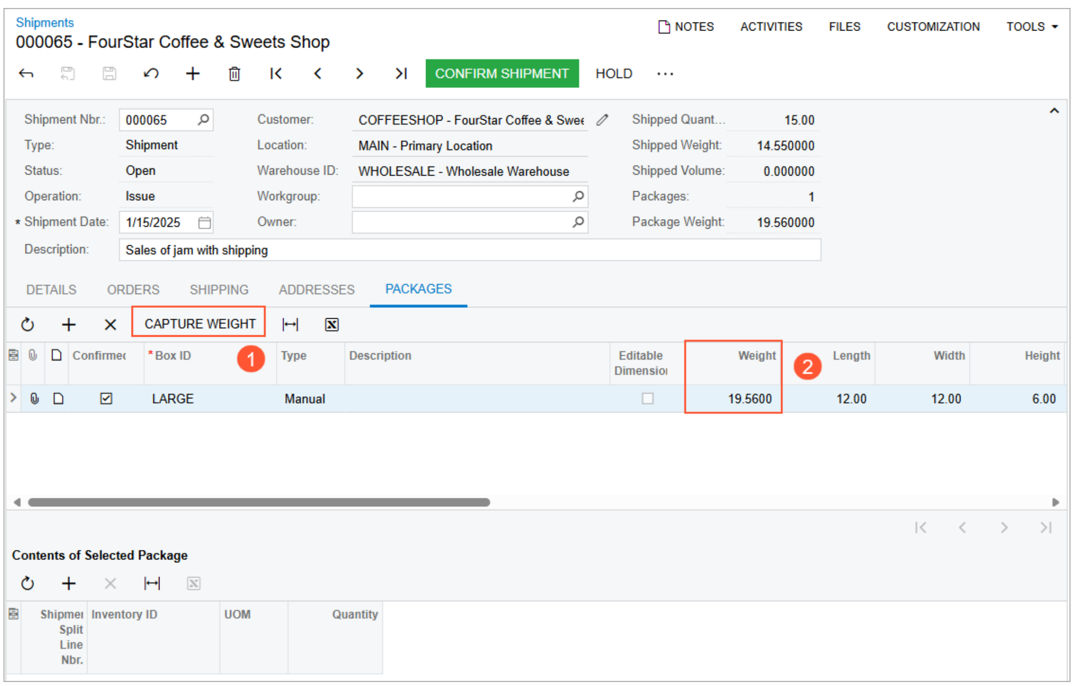


Figure: Capturing the weight of a package on the Packages tab

Capture of the Weight of a Package in the Shop for Rates Dialog Box

A user may want to specify the weight of a package directly in the **Shop for Rates** dialog box on the *Shipments* (SO302000) form before they get the carrier rates. To perform this operation, the user adds the packages to the **Packages** table in the dialog box, selects a package, and clicks the **Capture Weight** button on the table toolbar (Item 1 in the following screenshot). If a default scale is specified for the user account, the system automatically inserts this scale's value from the **Last Weight** column on the *Scales* (SM206530) form into the **Weight** column on the **Packages** tab of the *Shipments* form (Item 2).

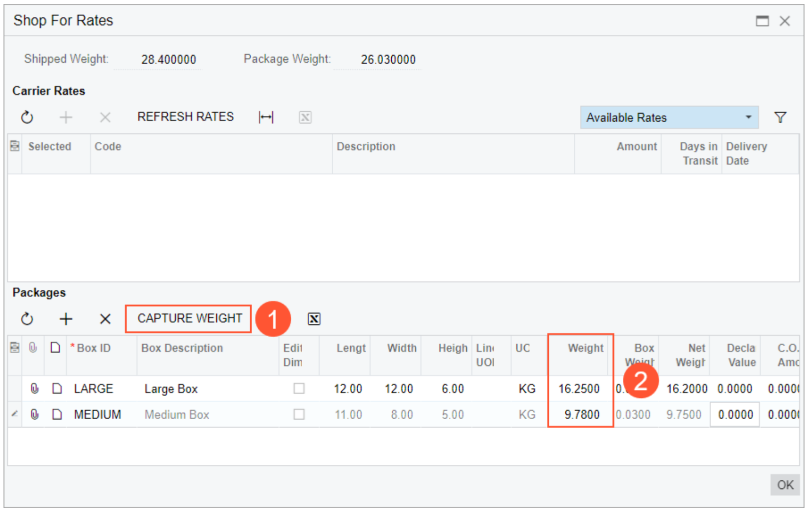


Figure: Capturing the weight of a package in the Shop for Rates dialog box

Specification of the Default Scale for a User Account

A user can specify the default digital scale device to be used for their own user account on the *User Profile* (SM203010) form. In the **Personal Settings** section of the **General Info** tab, they specify a configured device in the **Default Scale** box.

Other Changes

The use of a scale connected to DeviceHub prior to Acumatica ERP 2025 R1 required the *DeviceHub* and *Warehouse Management* features to be enabled on the *Enable/Disable Features* (CS1000000) form. Now it requires only the *DeviceHub* feature to be enabled.

Inventory and Order Management: Changes to Access Rights in Predefined User Roles

User roles provide access to the forms needed in employees' everyday work. Implementation managers can use predefined user roles in Acumatica ERP to determine access for individual users instead of creating and setting up roles from scratch.

In Acumatica ERP 2025 R1, certain predefined user roles related to inventory and order management have been updated to include access rights to the inventory planning forms.

Updated Access Rights to Inventory Planning Forms

The following table shows the updated access rights to inventory planning forms in the predefined user roles. *Full access* indicates the *Delete* restriction level; *no access* indicates the *Revoked* restriction level.

> The inventory planning forms are available in the system only when the *Distribution Requirements Planning* or *Material Requirements Planning* feature is enabled on the *Enable/Disable Features* (CS100000) form.

Role	Role Description	Updated Access Rights

SO Admin	A person who performs the setup of the sales order functionality and configures the sales processes.	• Full access to the following forms:
		  ◦ *Forecast* (AM202000)
		  ◦ *Forecast Listing* (AM000005)
		  ◦ *Generate Forecasts* (AM502000)
		  ◦ *Inventory Planning Preferences* (AM100000)
		  ◦ *Inventory Planning Buckets* (AM201200)
		  ◦ *Inventory Planning Requirements by Item* (AM401200)
		  ◦ *Inventory Planning Results by Item* (AM404000)
		• No access to any other inventory planning forms

SO Manager	A person who creates sales orders, manages customer contracts (such as blanket sales orders), and views accounts receivable invoices and payments. This manager also negotiates customer terms, manages approvals, and oversees the sales operation staff and their activities.	• Full access to the following forms:
		  ◦ *Forecast*
		  ◦ *Forecast Listing*
		  ◦ *Generate Forecasts*
		  ◦ *Inventory Planning Buckets*
		  ◦ *Inventory Planning Requirements by Item*
		  ◦ *Inventory Planning Results by Item*
		• View-only access to the *Inventory Planning Preferences* form
		• No access to any other inventory planning forms

Role	Role Description	Updated Access Rights

SO Clerk	A person who enters sales order data, creates customer returns, prints and sends order confirmations, and manages customer inquiries.	• Full access to the following forms:
		  • *Forecast Listing*
		  • *Inventory Planning Requirements by Item*
		  • *Inventory Planning Results by Item*
		• No access to any other inventory planning forms

SO Viewer	A person who can view the progress of the sales orders being processed but cannot change them.	• Full access to the following forms:
		  • *Forecast Listing*
		  • *Inventory Planning Requirements by Item*
		  • *Inventory Planning Results by Item*
		• No access to any other inventory planning forms

PO Admin	A person who performs the setup of the purchase orders functionality and configures the purchasing processes.	Full access to all inventory planning forms
PO Manager	A person who creates purchase orders and requisitions and views accounts payable bills and payments. This manager also negotiates vendors' credit terms, manages vendor returns, manages approvals, and oversees the purchasing staff and their activities.	• View-only access to the *Inventory Planning Preferences* form • Full access to all other inventory planning forms
PO Buyer	A person who procures inventory to replenish the warehouse stock levels or to fulfill orders (planning of purchases, creation of purchase orders, and linking of purchase orders to fulfill sales orders). This employee also reviews seasonality and replenishment settings for optimization and procurement.	• View-only access to the *Inventory Planning Preferences* form • Full access to all other inventory planning forms

PO Clerk	A person who enters purchase order data, creates vendor returns, and views inquiries and reports.	• Full access to the following forms:
		  • *Inventory Planning Results by Item*
		  • *Forecast Listing*
		  • *Inventory Planning Display* (AM400000)
		  • *Inventory Planning Exceptions* (AM403000)
		  • *Inventory Planning Requirements by Item*
		• Full access to the *Inventory Planning Display* (AM632000) report
		• No access to any other inventory planning forms

PO Viewer	A person who can view the progress of the purchase orders being processed but cannot change them.	No access to any inventory planning forms

Role	Role Description	Updated Access Rights
IN Admin	A person who performs the setup of the inventory functionality and configures the inventory processes.	Full access to all inventory planning forms
IN Manager	A person who analyzes and manages warehouse activities and performance, takes responsibility for the physical movement of goods to and from the warehouse as well as inventory optimization and efficiency within the warehouse, and oversees the warehouse staff and their activities.	• View-only access to the *Inventory Planning Preferences* form • Full access to all other inventory planning forms
IN Receiver	A person who receives purchases, inbound transfers, and customer returns, puts away received goods into designated warehouse locations.	No access to any inventory planning forms
IN Shipper	A person who picks, packs, and ships customer sales orders, outbound transfers, and vendor returns, and confirms shipments.	No access to any inventory planning forms
IN Clerk	A person who performs cycle counts and inventory adjustments and restocks the inventory within the same warehouse according to the warehouse manager's plan.	No access to any inventory planning forms
IN Viewer	A person who can view the documents related to the warehouse processes and inventory settings but cannot change orders and settings.	No access to any inventory planning forms

Additional Information

Access rights for the user roles can be modified on the following forms:

- *Access Rights by Screen* (SM201020)
- *Access Rights by Role* (SM201025)

The following reports show details about access to forms that has been granted to user roles:

- *Access Rights by Role* (SM651500)
- *Access Rights by Screen* (SM651700)

For more information about user roles in the system, see *User Roles: General Information*. For details about distribution requirements planning (DRP), see *Inventory Planning with DRP: General Information*

Inventory and Order Management: Correction of Purchase Receipts for Drop-Ship Purchase Orders

In previous versions of Acumatica ERP, a user could not correct or cancel a purchase receipt that had been created for a purchase order with the *Drop-Ship* type if the receipt had already been released. That is, if any errors had been made in the lines of this receipt or the company did not accept the receipt for some reason and it had to be canceled, there was no way to fix the issue properly.

Acumatica ERP 2025 R1 now provides users with the ability to correct or cancel a released purchase receipt for a drop-ship purchase order. For this purpose, the **Correct Receipt** and **Cancel Receipt** commands have been added to the More menu on the *Purchase Receipts* (PO302000) form, as shown in the following screenshot.

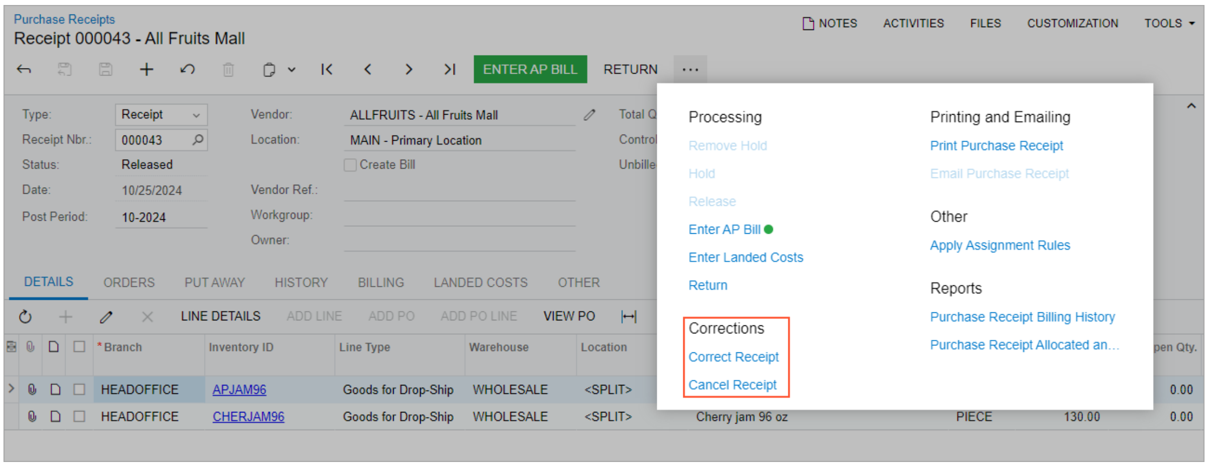


Figure: The Correct Receipt and Cancel Receipt commands

> The functionality of receipt correction and cancellation for purchase orders with the *Drop-Ship* type is unavailable if the *Manufacturing* or *Service Management* feature is enabled on the *Enable/ Disable Features* (CS100000) form. (The **Correct Receipt** and **Cancel Receipt** commands are not displayed on the More menu in this case.) We highly recommend that a company verify that there are no unreleased correction receipts in the system before it enables the *Manufacturing* or *Service Management* feature.

Starting to Correct a Purchase Receipt for a Drop-Ship Purchase Order

The *Purchase Receipts* (PO302000) form is the starting point for correcting a released purchase receipt related to a purchase order with the *Drop-Ship* type. When the user clicks **Correct Receipt** on the More menu, the system checks whether all of the following conditions are met for the purchase receipt:

- The receipt includes at least one line of the *Goods for Drop-Ship* or *Non-Stock for Drop-Ship* type.
- The receipt does not include any lines of the *Goods for IN* or *Non-Stock* type.
- The receipt does not have related AP bills, except for AP bills that have been fully reversed.
- If the related drop-ship purchase order has the **Allow AP Bill Before Receipt** check box selected on the **Other** tab of the *Purchase Orders* (PO301000) form, this order does not have related AP bills, except for AP bills that have been fully reversed.
- No landed cost documents have been applied to the purchase receipt.
- The receipt does not have related purchase returns that have not been released yet.
- No sales invoices include the lines of this purchase receipt, except for canceled invoices.

If all of these conditions are met, the system creates a new purchase receipt with the next sequential number, which is a correction purchase receipt.

> For simplicity, the correction purchase receipt will be referred to as the *correction receipt*, and the original purchase receipt will be referred to as the *original receipt*.

In the original receipt, the system inserts the number of the correction receipt into the new **Correction Doc. Ref. Nbr.** box on the **Other** tab of the *Purchase Receipts* form, as shown below. This number is also a link that a user can click. In the correction receipt, the system inserts the number of the original receipt (which is also a link) into the new **Original Doc. Ref. Nbr.** box on the same tab.

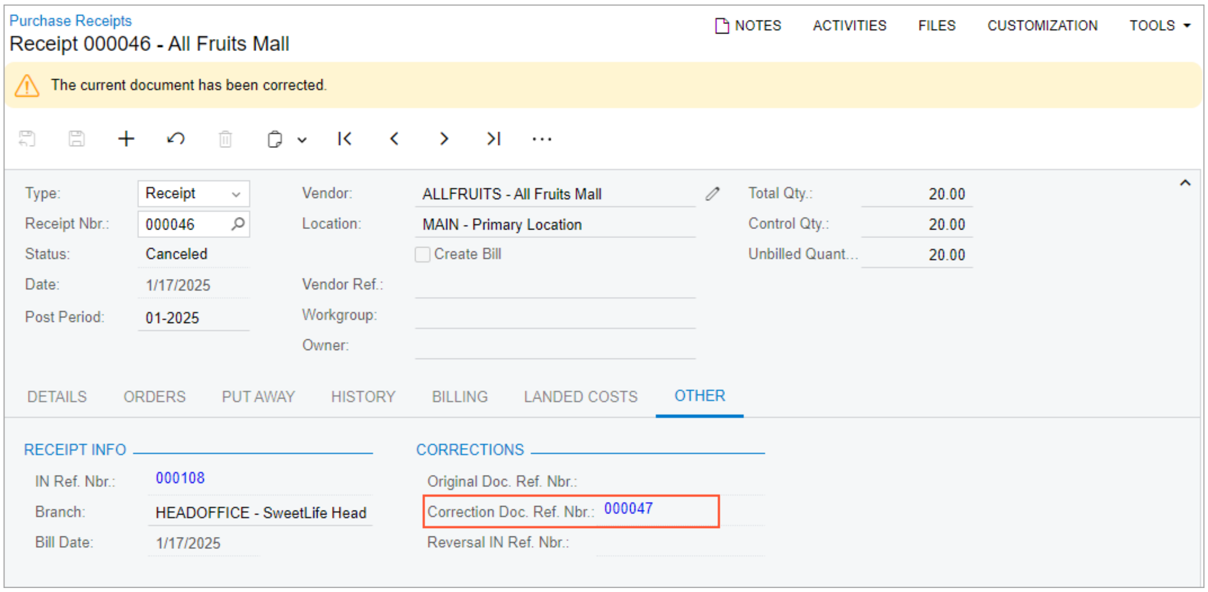


Figure: The link to the correction receipt in the original receipt

Making Changes to the Correction Receipt

The system copies all the data of the original receipt to the correction receipt on the *Purchase Receipts* (PO302000) form, and the user can make the needed updates to the correction receipt. When the user saves the correction receipt for the first time, the system assigns the new *Under Correction* status to the original receipt. Also, the system updates the value in the **Qty. On Receipts** column for the lines of the related purchase order on the *Purchase Orders* (PO301000) form based on any updated quantities in the linked lines of the correction receipt.

Although the user can print the original receipt with the *Under Correction* status, the user cannot do the following in the system for this receipt:

- Prepare an associated AP bill on the *Purchase Receipts* form
- Add this receipt to an AP bill on the *Bills and Adjustments* (AP301000) form
- Recognize the purchase receipt on the *Incoming Documents* (AP301100) form
- Prepare a related purchase return on the *Purchase Receipts* form
- Apply this receipt to a landed cost document on the *Purchase Receipts* or *Landed Costs* (PO303000) form

Also, the user cannot include the lines of an original receipt with the *Under Correction* status in the following documents:

- An AP bill for a related purchase order
- A sales invoice for a related sales order

In a correction receipt, the user cannot add new lines or delete lines that were copied from the original receipt. If a line in the original receipt had been added erroneously, the user can specify *0* in the **Receipt Qty.** column for the corresponding line in the correction receipt. This line will not be included in any of the following related documents during the processing of the correction receipt:

- AP bills
- Sales invoices
- Landed cost documents

In a correction receipt, the user can update the following elements in the Summary area of the *Purchase Receipts* form:

- The **Date** box
- The **Create AP Bill** check box
- The **Vendor Ref.** box
- The **Workgroup** box
- The **Owner** box

Also, the user can update the value in the **Exchange Rate** box if both of following conditions are met:

- The **Enable Rate Override** check box is selected on the **Financial** tab of the *Vendors* (AP303000) form for the vendor in the correction receipt.
- The **Allow Changing Currency Rate on Receipt** check box is selected on the *Purchase Orders Preferences* (PO101000) form.

In the lines of the correction receipt on the *Purchase Receipts* form, the user can edit the values in the following columns of the **Details** tab can:

- **Warehouse**
- **Transaction Descr.**
- **UOM**
- **Receipt Qty.**
- **Expiration Date**
- **Lot/Serial Nbr.**
- **Unit Cost**
- **Ext. Cost**

If the user changes a value in a purchase receipt line, the system automatically selects the check box in the new **Corrected** column for this line, as shown in the following screenshot. If the user changes the date or currency rate in the Summary area, the system automatically selects the check boxes in the **Corrected** column for all lines of the purchase receipt. The **Corrected** column is hidden by default.

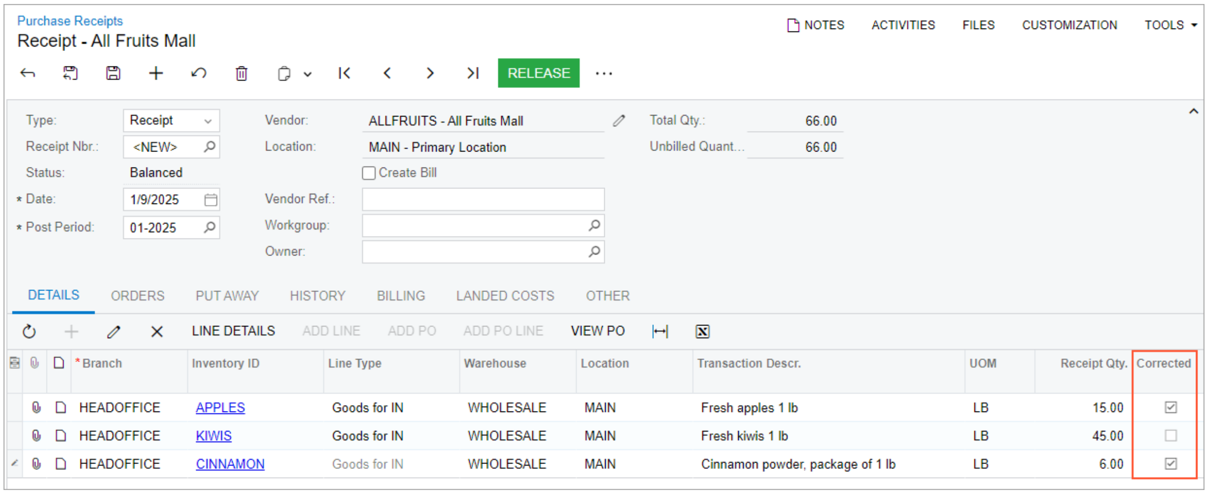


Figure: The Corrected column

If the user made changes to a line on the **Details** tab by mistake, they can click **Cancel** for this line on the table toolbar. The system will discard all changes, and the line will be reverted to its original state at the time of document creation. Also, the system will clear the **Corrected** check box in the line unless it was selected due to the **Date** or **Exchange Rate** in the Summary area being changed

Completing the Correction of a Receipt

To complete the correction process, the user clicks **Release** on the More menu for the correction receipt. This causes the system to assign the *Released* status to the correction receipt and the *Canceled* status to the original receipt. For all lines of the correction receipt that have changes in the **Receipt Qty.** column on the *Purchase Receipts* (PO302000) form, the system does the following:

- Updates the quantities in the **Qty. On Receipts** column on the *Purchase Orders* (PO301000) form for the related purchase order
- Updates the quantities in the **Qty. On Shipments** and **Open Qty.** columns on the *Sales Orders* (SO301000) form for the related sales order

On the *Purchase Orders* and *Sales Orders* forms, the system performs the following actions, depending on whether the value in the **Receipt Qty.** column on the **Details** tab of the *Purchase Receipts* form has increased or decreased in lines of the correction receipt:

- If the quantity has decreased, the system does the following:
  - Reopens the corresponding lines of the related sales and purchase orders if they have already been completed. That is, the **Completed** check box is cleared for these lines on the **Details** tab.
  - If at least one line is reopened for the related purchase order that had the *Completed* status, assigns the *Open* status to the purchase order.
  - If at least one line is reopened for the related sales order that had the *Completed* status, assigns another status according to the order's workflow to it.
- If the quantity has increased, the system does the following:
  - Selects the **Completed** check box in the lines of the related sales order and purchase order if the full quantity of the item has been received.
  - If all lines of the related sales or purchase order become completed, assigns the *Completed* status to this order.

Canceling a Purchase Receipt

The *Purchase Receipts* (PO302000) form is the starting point for canceling a released purchase receipt related to a purchase order with the *Drop-Ship* type.

When the user clicks **Cancel Receipt** on the More menu, the system checks whether all of the following conditions are met for the purchase receipt:

- The receipt includes at least one line of the *Goods for Drop-Ship* or *Non-Stock for Drop-Ship* type.
- The receipt does not include any lines of the *Goods for IN* or *Non-Stock* types.
- The receipt does not have related AP bills, except for AP bills that have been fully reversed.
- If the related drop-ship purchase order has the **Allow AP Bill Before Receipt** check box selected on the **Other** tab of the *Purchase Orders* form, this order does not have related AP bills, except for AP bills that have been fully reversed.
- No landed cost documents have been applied to the purchase receipt.
- The receipt does not have related purchase returns.
- No sales invoices include the lines of this purchase receipt, except for canceled invoices.

If all of these conditions are met, the system displays a confirmation dialog box, as shown in the following screenshot. If the user clicks **OK**, the system assigns the *Canceled* status to the purchase receipt.

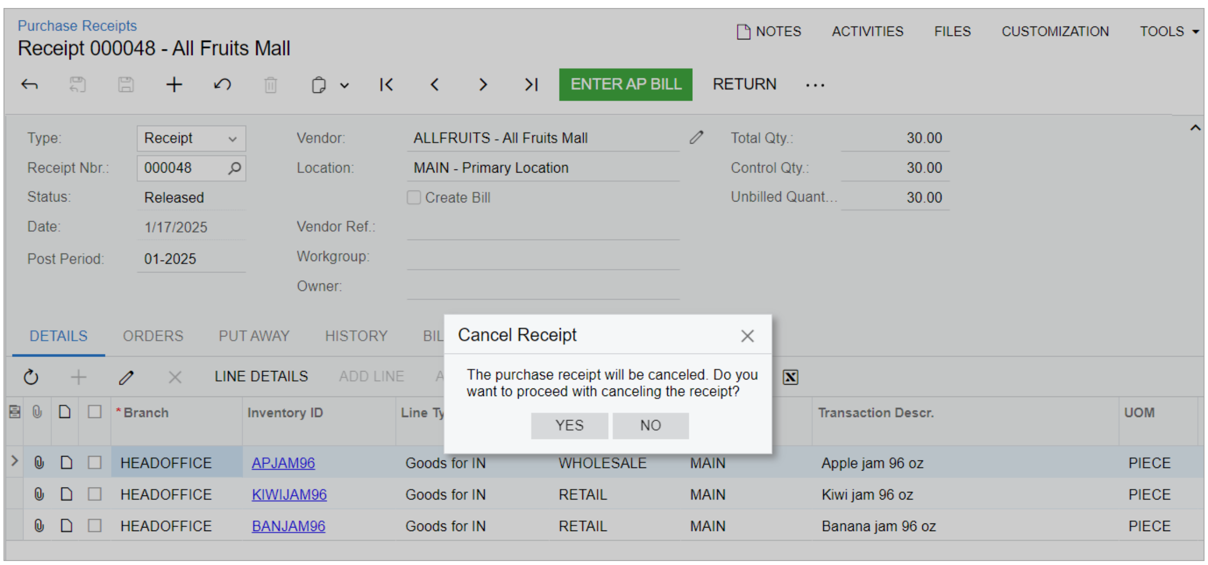


Figure: The Cancel Receipt dialog box

As soon as the purchase receipt is canceled, the system updates the related documents as follows:

- It reopens the linked lines of the related purchase and sales order if these lines have already been completed.
- If a related purchase order has the *Completed* status on the *Purchase Orders* (PO301000) form, the system assigns the *Open* status to it.
- If a related sales order has the *Completed* status on the *Sales Orders* (SO301000) form, the system assigns another status based on the order's workflow.
- In each linked line of the related purchase order, the system updates the value in the **Qty. On Receipts** column on the **Details** tab of the *Purchase Orders* form.
- In each linked line of the related sales order, the system updates the values in the **Qty. On Shipments** and **Open Qty.** columns on the **Details** tab of the *Sales Orders* form.

Correcting or Canceling a Purchase Receipt with a Canceled Invoice

If a purchase receipt for a drop-ship purchase order has a released sales invoice, this receipt also has a related inventory issue, which is the original inventory issue. If the user cancels the sales invoice and then cancels the purchase receipt, the system also automatically generates and releases a reversal inventory issue with a reversal batch of transactions that fully revert the transactions that were generated on the release of the original inventory issue. The reversal inventory issue is released automatically, regardless of the state of the **Release IN Documents Automatically** check box on the *Purchase Orders Preferences* (PO101000) form.

The link to the reversal inventory issue appears in the new **Reversal IN Ref. Nbr.** box on the **Other** tab of the *Purchase Receipts* (PO302000) form, as shown in the following screenshot.

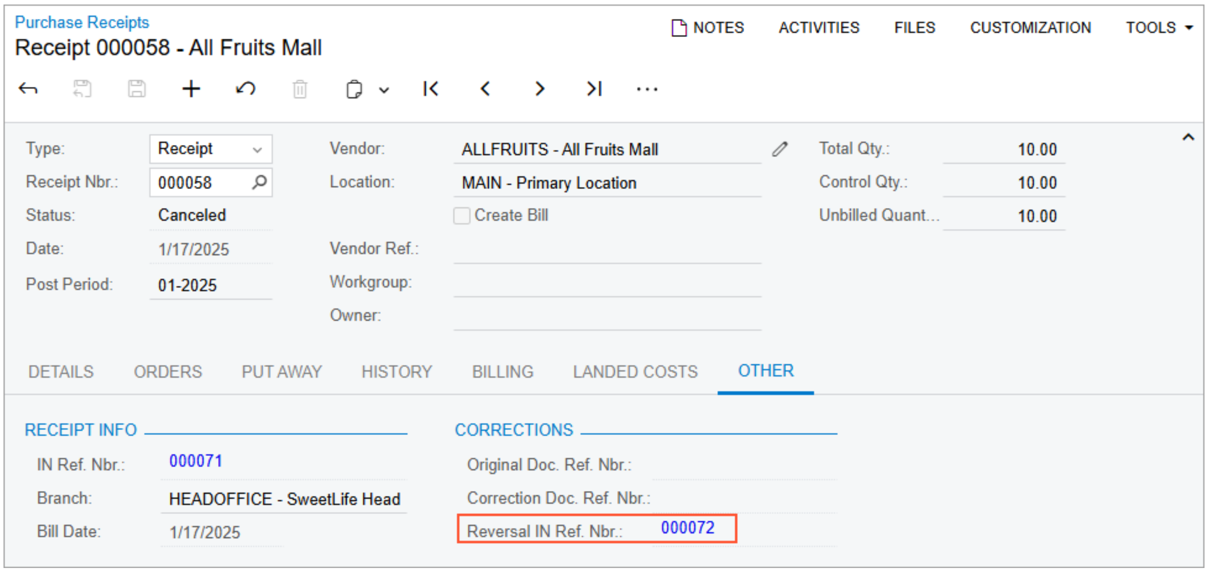


Figure: The link to the reversal inventory issue

Viewing Purchase Receipts with the Canceled or Under Correction Status

The following Acumatica ERP reports and inquiry forms have updates related to purchase receipts with the *Canceled* or *Under Correction* status for purchase orders with the *Drop-Ship* type.

On the *Purchase Receipt Summary* (PO620500) and *Purchase Order Receipt and Billing History* (PO643000) report form, the new **Include Canceled and Under-Correction Receipts** check box has been added to the **Report Parameters** tab, as shown in the following screenshot. By default, these reports do not include the purchase receipts with the *Canceled* or *Under Correction* status. If the user selects the check box, the reports include these receipts. In the *Purchase Receipt Summary* report, the quantity and extended cost of these purchase receipts are not included in the calculation of the total receipt quantity and total receipt extended cost.

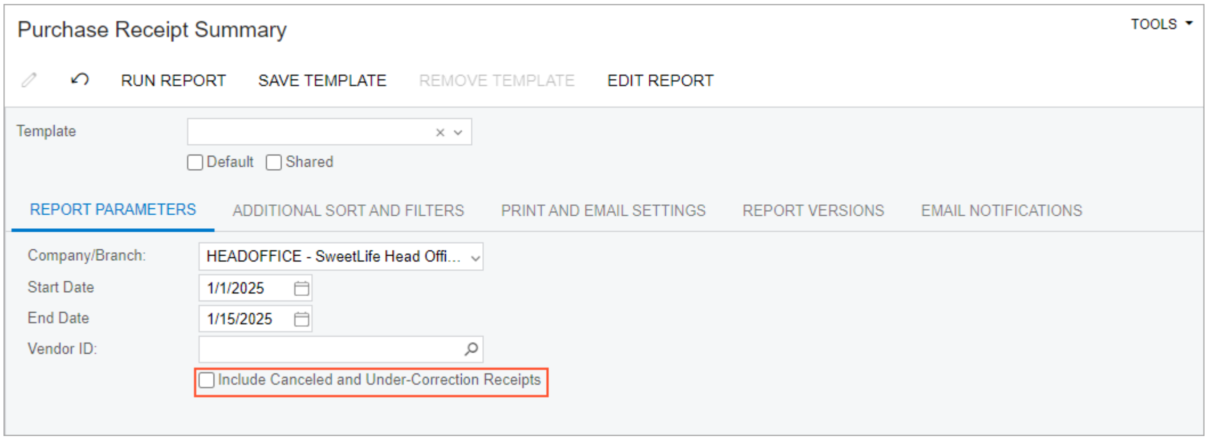


Figure: The Include Canceled and Under-Correction Receipts check box

The following reports include the purchase receipts with the *Under Correction* status but exclude the purchase receipts with the *Canceled* status:

- *Purchase Accrual Summary* (PO630500) report
- *Purchase Accrual Details* (PO631000) report

These purchase receipts with the *Under Correction* or *Canceled* status are not listed in the following reports:

- *Purchase Receipt Billing Summary* (PO631500)
- *Purchase Receipt Billing Details* (PO632000)
- *Purchase Receipt Details by Vendor* (PO621000)
- *Purchase Receipt Allocated and Backordered* (PO622000)

On the *Purchase Accrual Balance by Period* (PO402000) inquiry form, the purchase receipts with the *Under Correction* or *Canceled* status are shown according to the following rules:

- The inquiry form does not show the purchase receipts with the *Canceled* or *Under Correction* status that do not have a canceled sales invoice and a related inventory issue because there are no transactions posted to the PO Accrual account at this moment.
- The inquiry form shows the purchase receipts with the *Under Correction* status that have a canceled sales invoice and a released inventory issue because transactions to the PO Accrual account in the original inventory issue are not reversed and still affect the PO Accrual account.
- The inquiry form does not show the purchase receipts with the *Canceled* status that have a canceled sales invoice and a released inventory issue because the original inventory transactions are already reversed in the reversal inventory issue if the purchase receipt is canceled.

Inventory and Order Management: Correction of Purchase Receipts for Purchase Orders with the Normal Type

In previous versions of Acumatica ERP, a user could not correct or cancel a purchase receipt that had been created for a purchase order with the *Normal* type if the receipt had already been released. That is, if any errors had been made in the lines of this receipt or the company did not accept the goods for some reason and the receipt had to be canceled, there was no way to fix the issue properly.

Acumatica ERP 2025 R1 now provides users with the ability to correct or cancel a released purchase receipt for a purchase order with the *Normal* type. For this purpose, the **Correct Receipt** and **Cancel Receipt** commands have been added to the More menu on the *Purchase Receipts* (PO302000) form, as shown in the following screenshot.

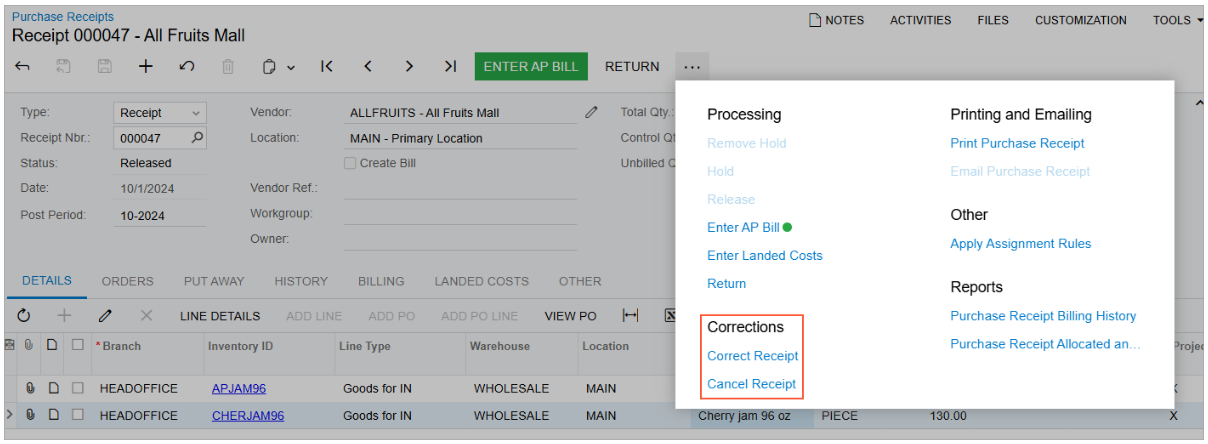


Figure: The Correct Receipt and Cancel Receipt commands

> The functionality of receipt correction and cancellation for purchase orders with the *Normal* type is unavailable if the *Manufacturing* or *Service Management* feature is enabled on the *Enable/ Disable Features* (CS100000) form. (The **Correct Receipt** and **Cancel Receipt** commands are not displayed on the More menu in this case.) We highly recommend that a company verify that there are no unreleased correction receipts in the system before it enables the *Manufacturing* or *Service Management* feature.

Starting to Correct a Purchase Receipt

The *Purchase Receipts* (PO302000) form is the starting point for correcting a released purchase receipt related to a purchase order with the *Normal* type.

When the user clicks **Correct Receipt** on the More menu, the system checks whether all of the following conditions are met for the purchase receipt:

- The receipt includes at least one line of the *Goods for IN*, *Non-Stock for IN*, *Service*, or *Freight* type.
- The receipt does not have related AP bills, except for AP bills that have been fully reversed.
- The receipt does not include any lines of the *Goods for RP*, *Goods for Project*, or *Non Stock for Project* type.
- If the related purchase order has the **Allow AP Bill Before Receipt** check box selected on the **Other** tab of the *Purchase Orders* (PO301000) form, this order does not have related AP bills, except for AP bills that have been fully reversed.
- No landed cost documents have been applied to the purchase receipt.
- No putaway transfers have been prepared for the purchase receipt.
- The receipt does not have related purchase returns that have not been released yet.

- The stock is not locked due to a physical inventory count.

If all of these conditions are met, the system creates a new purchase receipt with the next sequential number.

> For simplicity, the newly created purchase receipt will be referred to as the *correction receipt*, and the purchase receipt in which the user clicked **Correct Receipt** as the *original receipt*.

In the original receipt, the system inserts the number of the correction receipt into the new **Correction Doc. Ref. Nbr.** box on the **Other** tab of the *Purchase Receipts* form, as shown below. This number is also a link that a user can click. In the correction receipt, the system inserts the number of the original receipt (which is also a link) into the new **Original Doc. Ref. Nbr.** box on the same tab.

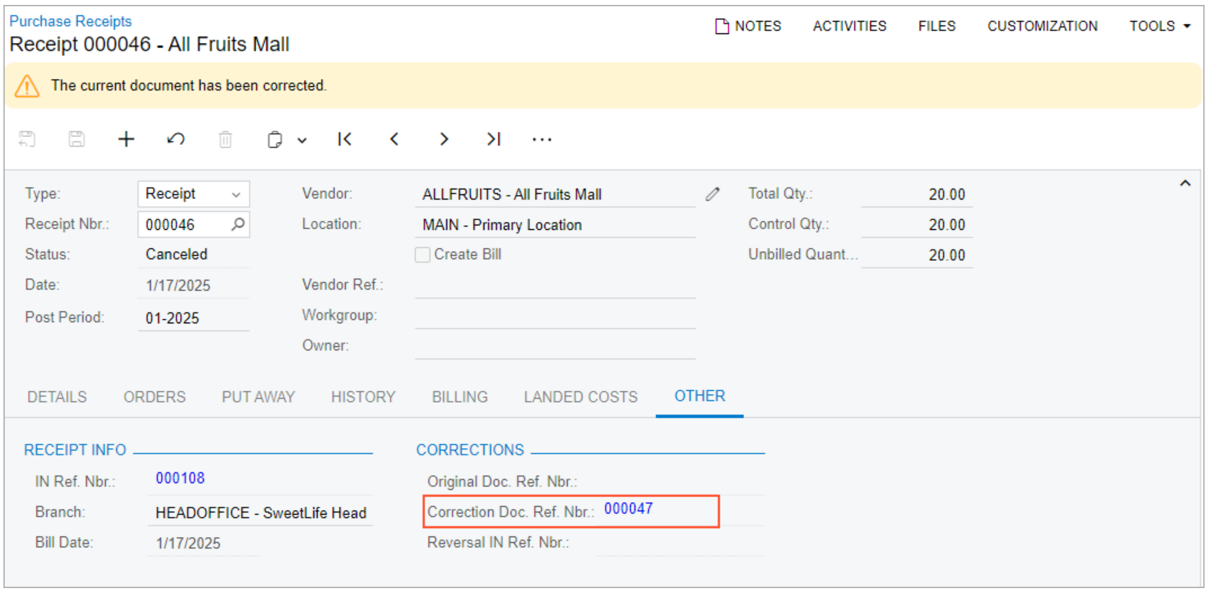


Figure: The link to the correction receipt in the original receipt

Making Changes to the Correction Receipt

The system copies all the data of the original receipt to the correction receipt on the *Purchase Receipts* (PO302000) form, and the user can make the needed updates to the correction receipt. When the user saves the correction receipt for the first time, the system assigns the new *Under Correction* status to the original receipt. Also, the system updates the value in the **Qty. On Receipts** column for the lines of the related purchase order on the *Purchase Orders* (PO301000) form based on any updated quantities in the linked lines of the correction receipt.

Although the user can print the original receipt with the *Under Correction* status, the user cannot do the following in the system for this receipt:

- Prepare an associated AP bill on the *Purchase Receipts* form
- Add the original receipt to an AP bill on the *Bills and Adjustments* (AP301000) form
- Recognize the original receipt on the *Incoming Documents* (AP301100) form
- Prepare a related purchase return on the *Purchase Receipts* form
- Apply the original receipt to a landed cost document on the *Purchase Receipts* or *Landed Costs* (PO303000) form
- Process putaway transfers for the original receipt on the *Receive and Put Away* (PO302020) form

Also, the user cannot include the lines of an original receipt with the *Under Correction* status in an AP bill for a related purchase order.

In a correction receipt, the user cannot add new lines or delete lines that were copied from the original receipt. If a line in the original receipt had been added erroneously, the user can specify *0* in the **Receipt Qty.** column for the corresponding line in the correction receipt. This line will not be included in any of the following related documents during the processing of the correction receipt:

- AP bills
- Landed cost documents

In a correction receipt, the user can update the following elements in the Summary area of the *Purchase Receipts* form:

- The **Date** box
- The **Create Bill** check box
- The **Vendor Ref.** box
- The **Workgroup** box
- The **Owner** box

Also, the user can update the value in the **Exchange Rate** box if both of the following conditions are met:

- The **Enable Rate Override** check box is selected on the **Financial** tab of the *Vendors* (AP303000) form for the vendor in the correction receipt.
- The **Allow Changing Currency Rate on Receipt** check box is selected on the *Purchase Orders Preferences* (PO101000) form.

In the lines of the correction receipt on the *Purchase Receipts* form, the user can edit the values in the following columns of the **Details** tab:

- **Warehouse**
- **Location**
- **Transaction Descr.**
- **UOM**
- **Receipt Qty.**
- **Expiration Date**
- **Lot/Serial Nbr.**
- **Unit Cost**
- **Ext. Cost**
- **Account** (for non-stock items only)
- **Subaccount** (for non-stock items only)
- **Accrual Account**
- **Accrual Sub.**

The lines with non-stock kits cannot be corrected.

If the user changes a value in a purchase receipt line, the system automatically selects the check box in the new **Corrected** column for this line, as shown in the following screenshot. Also, if the user changes the date or currency rate in the Summary area, the system automatically selects the check boxes in the **Corrected** column for all lines of the purchase receipt. The **Corrected** column is hidden by default.

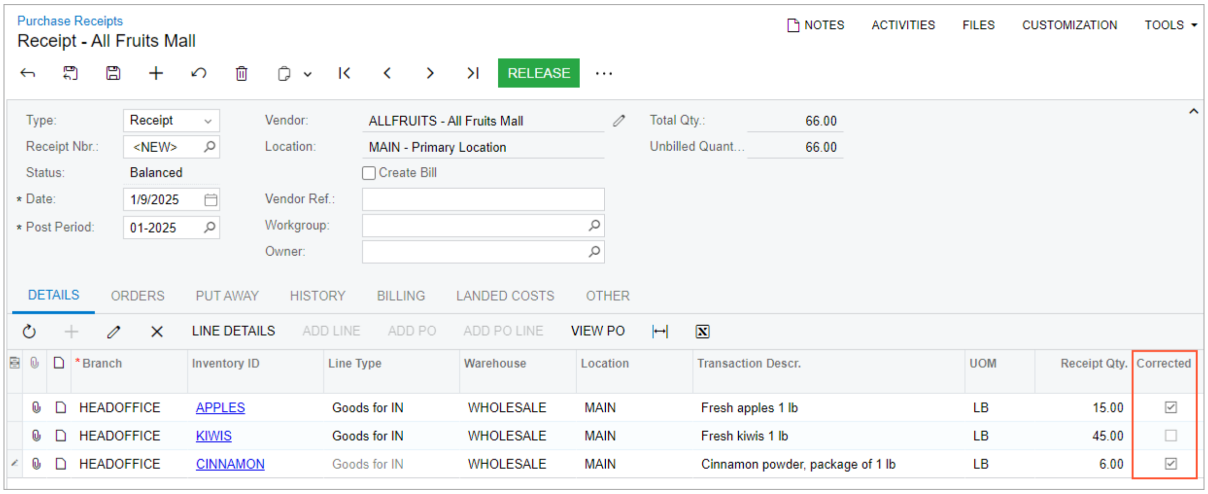


Figure: The Corrected column

If the user made changes to a line on the **Details** tab by mistake, they can click **Cancel** for this line on the table toolbar. The system will discard all changes, and the line will be reverted to its original state at the time of document creation. Also, the system will clear the **Corrected** check box in the line unless it was selected due to the **Date** or **Exchange Rate** in the Summary area being changed

Completing the Correction of a Receipt

To complete the correction process, the user clicks **Release** on the More menu of the *Purchase Receipts* (PO302000) form for the correction receipt. On release of the correction receipt, the system validates the state of inventory. That is, it verifies whether the corrected items can be issued with the original quantity and cost.

If the validation fails, the system shows an error message, and the user can make additional changes if they want to proceed with the correction. The user can also delete the correction receipt if the correction cannot be performed.

If the validation is successful, the system generates and releases a correction inventory issue for the correction receipt. The user can find the link to this issue in the **IN Ref. Nbr.** box on the *Purchase Receipts* (PO302000) form. This issue will be released automatically, regardless of the state of the **Release IN Documents Automatically** check box on the *Purchase Orders Preferences* (PO101000) form. For details on this validation and the correction inventory issue, see *Inventory Validation and Issue*.

After the correction inventory issue is released, the system assigns the *Released* status to the correction receipt and the *Canceled* status to the original receipt.

Also, for each line of the correction receipt that has changes in the **Receipt Qty.** column on the *Purchase Receipts* form, the system updates the quantity in the **Qty. On Receipts** column of the *Purchase Orders* (PO301000) form for the related purchase order. The system changes the purchase order as follows, depending on whether the line's corrected receipt quantity has increased or decreased:

- If the line quantity has decreased, the system reopens the corresponding line of the related purchase order if it has already been completed. That is, it clears the **Completed** check box for these lines on the **Details** tab. If at least one line is now reopened for the related purchase order and it had the *Completed* status, the system assigns the *Open* status to the purchase order.
- If the line quantity has increased, the system selects the **Completed** check box in the line of the related purchase order if the full quantity of the item has been received. If all lines of the related purchase order are now completed, the system assigns the *Completed* status to the purchase order.

Also, if the purchase order of the original receipt has a related sales order with lines that are marked for purchase on the *Sales Orders* (SO301000) form, in this sales order, the allocated quantities will be updated in the **Line Details** dialog box of that form.

Canceling a Purchase Receipt

The *Purchase Receipts* (PO302000) form is the starting point for canceling a released purchase receipt related to a purchase order with the *Normal* type.

When the user clicks **Cancel Receipt** on the More menu, the system checks whether all of the following conditions are met for the purchase receipt:

- The receipt includes at least one line of the *Goods for IN* , *Non-Stock for IN*, *Service*, or *Freight* type.
- The receipt does not have related AP bills, except for AP bills that have been fully reversed.
- The receipt does not include any lines of the *Goods for RP* , *Goods for Project*, or *Non Stock for Project* type.
- The receipt does not include any lines with non-stock kits.
- If the related purchase order has the **Allow AP Bill Before Receipt** check box selected on the **Other** tab of the *Purchase Orders* (PO301000) form, this order does not have related AP bills, except for AP bills that have been fully reversed.
- No landed cost documents have been applied to the purchase receipt.
- No putaway transfers have been prepared for the purchase receipt.
- The receipt does not have related purchase returns.
- The stock is not locked due to a physical inventory count.

If all of these conditions are met, the system displays a confirmation dialog box, as shown in the following screenshot. If the user clicks **OK**, the system validates the state of inventory. That is, it verifies whether it is possible to issue the items with the original quantity and cost. For details on the validation, see *Inventory Validation and Issue*.

If the validation fails, the system shows an error message. If the validation is successful, the system generates and releases a reversal inventory issue with the *Issue* type of transactions. This issue will be released automatically, regardless of the state of the **Release IN Documents Automatically** check box on the *Purchase Orders Preferences* (PO101000) form. The user can find the link to this issue in the **Reversal IN Ref. Nbr.** box on the **Other** tab of *Purchase Receipts* form. Then the system assigns the *Canceled* status to the purchase receipt.

> If a purchase receipt is canceled, the system does not recalculate the cost statistics on the **Price/Cost** tab of the *Stock Items* (IN202500) or *Item Warehouse Details* (IN204500) form for items that were included in this receipt.

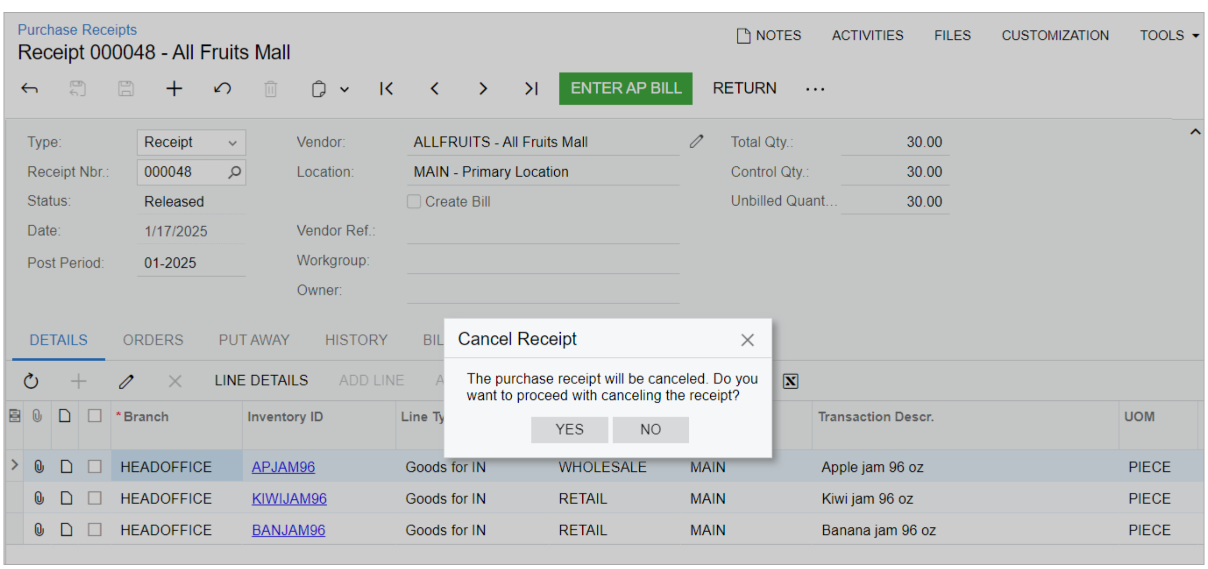


Figure: The Cancel Receipt dialog box

As soon as the purchase receipt is canceled, the system updates the related documents as follows:

- It reopens the linked lines of the related purchase order if these lines have already been completed.
- If a related purchase order has the *Completed* status on the *Purchase Orders* form, the system assigns the *Open* status to it.
- In each linked line of the related purchase order, the system updates the value in the **Qty. On Receipts** column on the **Details** tab of the *Purchase Orders* form.

Inventory Validation and Issue

The correction of a purchase receipt for a purchase order with the *Normal* type can be one of the following types:

- A correction that does not update the state of the inventory or the information in the original inventory receipt, such as the correction of the vendor reference number or the transaction description.
- A correction that updates the state of the inventory or the information in the original inventory receipt, such as the correction of the receipt quantity or unit cost.

For the first type of correction, the system does not perform inventory validation. For the second type, the system verifies whether stock items can be issued in the quantity of the original receipt and at the original cost based on the current inventory state. This validation is required because some quantities could have already been sold, shipped, or transferred by the moment of the correction.

The system validates only stock items from the original inventory receipt. For items with the *FIFO* and *Specific* valuation methods, the validation is performed for the cost layers that have been updated on the release of the original inventory receipt. That is, for items with the *FIFO* valuation method, the system verifies if these items can be issued from a cost layer with the reference number of the original inventory receipt. For items with the *Specific* valuation method, the system verifies the cost layers of the lot or serial numbers included in the original inventory receipt.

To verify if the original quantity of stock items can be issued, the system validates their available-for-issue quantity. For items with the *FIFO*, *Average*, and *Standard* valuation methods, if this quantity is not sufficient in the cost layer of an item, the system also checks whether negative quantities are allowed for the item. That is, it checks the state of the **Allow Negative Quantity** check box on the *Item Classes* (IN201000) form for the item class. Depending on the state of the check box, the system does either of the following:

- If the check box is cleared for the item class, the system prohibits the issue of the items of the class. The validation fails, and the system shows an error message.
- If the check box is selected for the item class, the system allows the original quantity of the item of the class to be issued if the original quantity is greater than the available-for-issue quantity and is not greater than the quantity on hand.

For a stock item, the system does not allow the release of a correction or cancellation purchase receipt if the resulting on-hand quantity in the inventory will remain or become negative for this stock item due to the correction or cancellation. This is true regardless of the state of the **Allow Negative Quantity** check box for the class of the item.

Note that inventory validation applies a specific rule if the original receipt was prepared for a purchase order linked to a sales order that is marked for purchase. If this sales order has a prepared shipment for an item, the quantity of this item in the correction receipt cannot be less than the quantity in the shipment.

If the validation fails, the system shows an error message. If the validation completes successfully and the items can be issued in the quantity and at the cost of the original receipt, the system generates and releases the correction inventory issue. The inventory issue includes transactions of the *Issue* and *Receipt* type for each corrected line of the purchase receipt on the *Purchase Receipts* (PO302000) form, excluding the following lines:

- The lines whose correction does not update the state of the inventory.
- The lines whose quantity was changed to *0*. For these lines, only the transactions with the *Issue* type are included.

- The lines with the *Service* or *Freight* type. These lines are not included either in the inventory receipt for the original receipt, or in the inventory issue for the correction receipt.

If the cost is edited in the correction receipt, the correction inventory issue may also include transactions with the *Adjustment* type. For details, see *Using a New Correction Reason Code*.

On the release of the correction inventory issue, the system first processes the transaction with the *Receipt* type and then processes the transaction with the *Issue* type.

> An item can be issued at a cost that differs from the cost in the original receipt if the resulting on-hand quantity is *0* in the cost layer from which the item is issued.

The system does not validate the quantity and cost of lines with non-stock items. A non-stock item is included in a correction inventory issue if at least one of the following values has been changed for it:

- **Warehouse**
- **Location**
- **UOM**
- **Receipt Qty.**
- **Unit Cost**
- **Ext. Cost**
- **Account**
- **Sub.**
- **Accrual Account**
- **Accrual Sub.**

Reviewing an Example of a Correction Inventory Issue

The following example illustrates the process of correction and the correction inventory issue for stock items with different valuation methods. Suppose that the company has the following items in stock:

- An item with the *FIFO* valuation method whose on-hand quantity is *100*.
- A serial-tracked item with the *Specific* valuation method. The serial numbers from *LRF00001* to *LRF000015* are on hand.
- An item with the *Average* valuation method whose on-hand quantity is *100*.

On the *Purchase Receipts* (PO302000), a user releases the *002325* purchase receipt for a purchase order with the *Normal* type. The purchase receipt includes lines with the following items and their settings:

- An item with the *FIFO* valuation method:
  - **Receipt Qty.**: *100*
  - **Unit Cost**: *100*
- Two serial-tracked items with the following numbers: *LRF000016* and *LRF000017*. Both items have a unit cost of *100*.
- An item with the *Average* valuation method:
  - **Receipt Qty.**: *100*
  - **Unit Cost**: *100*

On the *Purchase Receipts* form, the user clicks **Correct Receipt** on the More menu. The system creates a correction receipt. In the correction receipt, the user makes the following changes:

- The unit cost of the item with the *FIFO* valuation method is changed from *100* to *95*.
- The *LRF000016* serial number is changed to *LRFC00016*.

The system releases a correction receipt and generates a correction inventory issue with the following transactions:

- A transaction with the *Issue* type for the item with the *FIFO* valuation method:
  - **Quantity**: *100*
  - **Unit Cost**: *100*

  The item is issued from the cost layer of the *002325* purchase receipt.
- A transaction with the *Issue* type for the serial-tracked items:
  - **Lot/Serial Nbr.**: *LRF000016* and *LRF000017*
  - **Quantity**: *2*
  - **Unit Cost**: *100*
- A transaction with the *Receipt* type for the item with the *FIFO* valuation method:
  - **Quantity**: *100*
  - **Unit Cost**: *95*
- A transaction with the *Receipt* type for the serial-tracked items:
  - **Lot/Serial Nbr.**: *LRFC00016* and *LRF000017*
  - **Quantity**: *2*
  - **Unit Cost**: *100*

Using a New Correction Reason Code

On the **General** tab of the *Posting Classes* (IN206000) form, the **Purchase Receipt Correction Reason Code** box has been added, as shown in the following screenshot. The system posts transactions to the account of this reason code if both of the following conditions are met for the correction receipt:

- The unit cost or extended cost of an item with this posting class has been changed in a line of a correction receipt.
- A part of the received quantity has already been issued, sold, or transferred from the receiving warehouse.

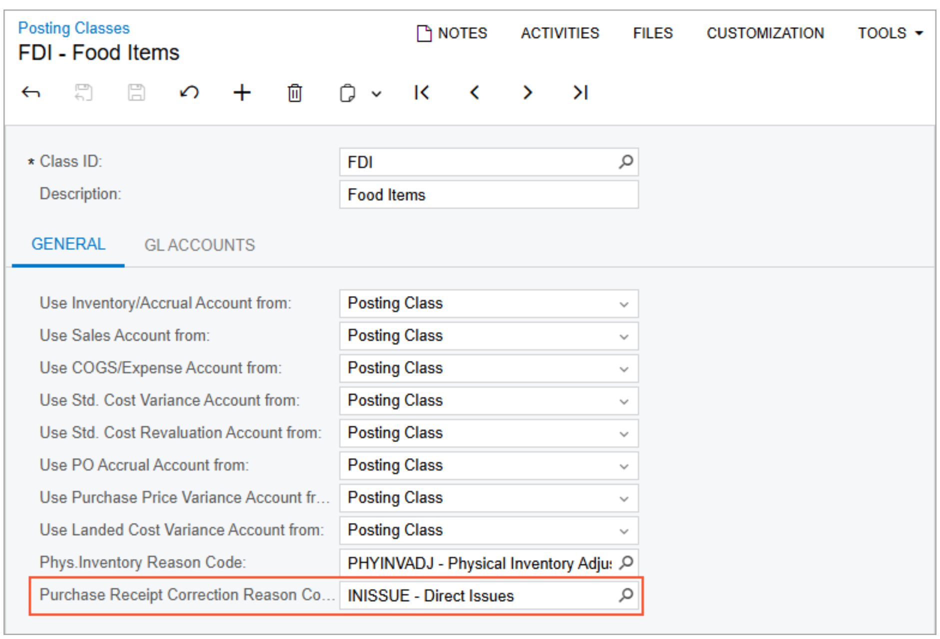


Figure: The Purchase Receipt Correction Reason Code box

Suppose that on the *Purchase Receipts* (PO302000) form, a purchase manager has processed a purchase receipt with a line that contains 10 items with the *Average* valuation method and a unit cost of *10*. Once the purchase receipt is released, the on-hand quantity of the item is *10*, and its total cost is *100*.

On the same day, a sales manager has sold five units of the item with a unit cost of *10*. The remaining on-hand quantity of the item is *5*, and the total cost is *50*.

The purchase manager finds out that the unit cost of the received item should be *7*, not *10*. The manager clicks **Correct Receipt** on the *Purchase Receipts* form and specifies *7* as the unit cost in the line of the correction receipt. On the release of the correction receipt, the system generates and releases a correction inventory issue. On the release of the issue, the system posts the following transactions to the general ledger.

Account	Debit	Credit
Inventory account	70 (the receipt of the corrected values)	0
PO accrual account	0	70
Inventory account	15 (the difference in cost for the sold units)	0
The account of the correction reason code	0	15 (the difference in cost for the offset units)
Inventory account	0	100 (the issue of the original amount)
PO accrual account	100	0

Viewing Purchase Receipts with the Canceled or Under Correction Status

The following Acumatica ERP reports and inquiry forms have updates related to purchase receipts with the *Canceled* or *Under Correction* status for purchase orders with the *Normal* type.

- In the reports and inquiry forms that are related to purchase orders:
  - Purchase receipts with the *Canceled* status are not listed in the following reports and on the following inquiry forms:
    - *Purchase Receipt Details by Vendor* (PO621000)
    - *Purchase Receipt Allocated and Backordered* (PO622000)
    - *Purchase Accrual Summary* (PO630500)
    - *Purchase Accrual Details* (PO631000)
    - *Purchase Receipt Billing Summary* (PO631500)
    - *Purchase Receipt Billing Details* (PO632000)
    - *Purchase Accrual Balance by Period* (PO402000)
  - Purchase receipts with the *Under Correction* status are not listed in the following reports:
    - *Purchase Receipt Details by Vendor*
    - *Purchase Receipt Allocated and Backordered*
    - *Purchase Receipt Billing Summary*
    - *Purchase Receipt Billing Details*
  - Purchase receipts with the *Canceled* or *Under Correction* status can be listed in the *Purchase Receipt Summary* (PO620500) and *Purchase Order Receipt and Billing History* (PO643000) reports. These receipts are included if the new **Include Canceled and Under-Correction Receipts** check box is selected on the **Report Parameters** tab of the report form. In the *Purchase Receipt Summary* report, the **Total** value for the **Receipt Qty.** column does not include quantities from these receipts, regardless of the state of the check box.

    - Purchase receipts with the *Under Correction* status are listed in the following reports and on the following inquiry form:
        - *Purchase Accrual Summary*
        - *Purchase Accrual Details*
        - *Purchase Accrual Balance by Period*
- In the reports and inquiry forms that are related to inventory:
    - The transactions with the *Issue*, *Receipt*, and *Adjustment* types from the correction and reversal inventory issues are listed on the following inquiry forms:
        - *Inventory Transaction History* (IN405000)
        - *Inventory Transaction Details* (IN404500)
        - *Inventory Transactions by Account* (IN403000)
        - *Inventory Lot/Serial History* (IN407000)
    - On the *Inventory Turnover* (IN407010) inquiry form, if the **Include Issues and Adjustments** check box is selected on the *Inventory Preferences* (IN101000) form, the amounts and quantities of correction and reversal issues type are not included as sold amounts and quantities in the turnover formula.

In the summarized format of the *Historical Inventory Balance* (IN616000) and *Historical Inventory Valuation* (IN617000) reports, the quantities from canceled purchase receipts are not included in the **Receipt** column. Also, the quantities from the correction and reversal inventory issues are not included in the **Issue** column. The detailed format of these reports lists all transactions, including the transactions for correction and reversal inventory issues.

The *Inventory Transaction History* and *Inventory Transaction Details* inquiry forms list all inventory transactions, including the corrected transactions. If the **Summary by Day** check box is selected on either form, the following columns contain summarized values for all transactions, including the transactions for correction and reversal inventory issues: **Qty. In**, **Qty. Out**, **Cost In**, and **Cost Out**.

> If inventory reports look inaccurate after a receipt correction or cancellation was performed in the system, the user should recalculate the inventory on the *Recalculate Inventory* (IN505000) form.

Inventory and Order Management: Lot and Serial Attributes for Stock Items

In previous versions, users could not assign attribute values to a unit of a stock item with a particular serial number or to units of a stock item with a particular lot number. As a result, inventory management and sales processes required manual efforts to track additional information about stock items, which was inefficient and could lead to errors.

Acumatica ERP 2025 R1 provides users with the ability to define attributes for a lot or serial class and manage the set of the attributes for a unit of a stock item with a lot or serial number. Users can assign attributes to units in stock, correct lot or serial attribute values that were incorrectly entered, and review and update information on lot- or serial-tracked items. Also, they can search for the necessary items by these attributes to add them to a sales document. This functionality becomes available if the company has the *Lot/Serial Attributes* feature enabled on the *Enable/Disable Features* (CS100000) form.

> In 2025 R1, the functionality is not supported in manufacturing, field services, and retail commerce.

The following sections describe the changes related to this functionality in Acumatica ERP 2025 R1.

Changes to the Enable/Disable Features Form

The **Lot/Serial Attributes** check box has been added under **Experimental Features** on the *Enable/Disable Features* (CS100000) form. This check box becomes available for selection if the **Lot and Serial Tracking** check box is selected under **Inventory and Order Management**.

Changes to the Lot/Serial Classes Form

The *Lot/Serial Classes* (IN207000) form now has two tabs. The table that lists the segments of the lot or serial numbers to be used for items of the class is now shown on the **Numbering Settings** tab. The **Attributes** tab lists the lot or serial attributes for items of the class (see Item 1 in the following screenshot). A user first defines these attributes on the *Attributes* (CS205000) form, and then they can add the attributes to the table on the *Lot/Serial Classes* form. By default, the system will use these attributes for each newly created stock item. The following screenshot shows the updated layout of the form.

A user can add attributes for an item of a lot or serial class only if the tracking method of the class is either *Track Serial Numbers* or *Track Lot Numbers* and the assignment method is *When Received*. If the item has a different tracking method or assignment method (or both), the **Add** and **Delete** buttons are unavailable on the tab.

Also, the **Specify Lot/Serial Price and Description** check box has been added to the **Attributes** tab (Item 2). With this check box selected, a user can define the sales price, manufacturer's suggested retail price (MSRP), and description for a unit of a stock item with a serial number or units with a lot number. For details, see the *Specification of a Sales Price and Description for a Unit of a Stock Item* section below.

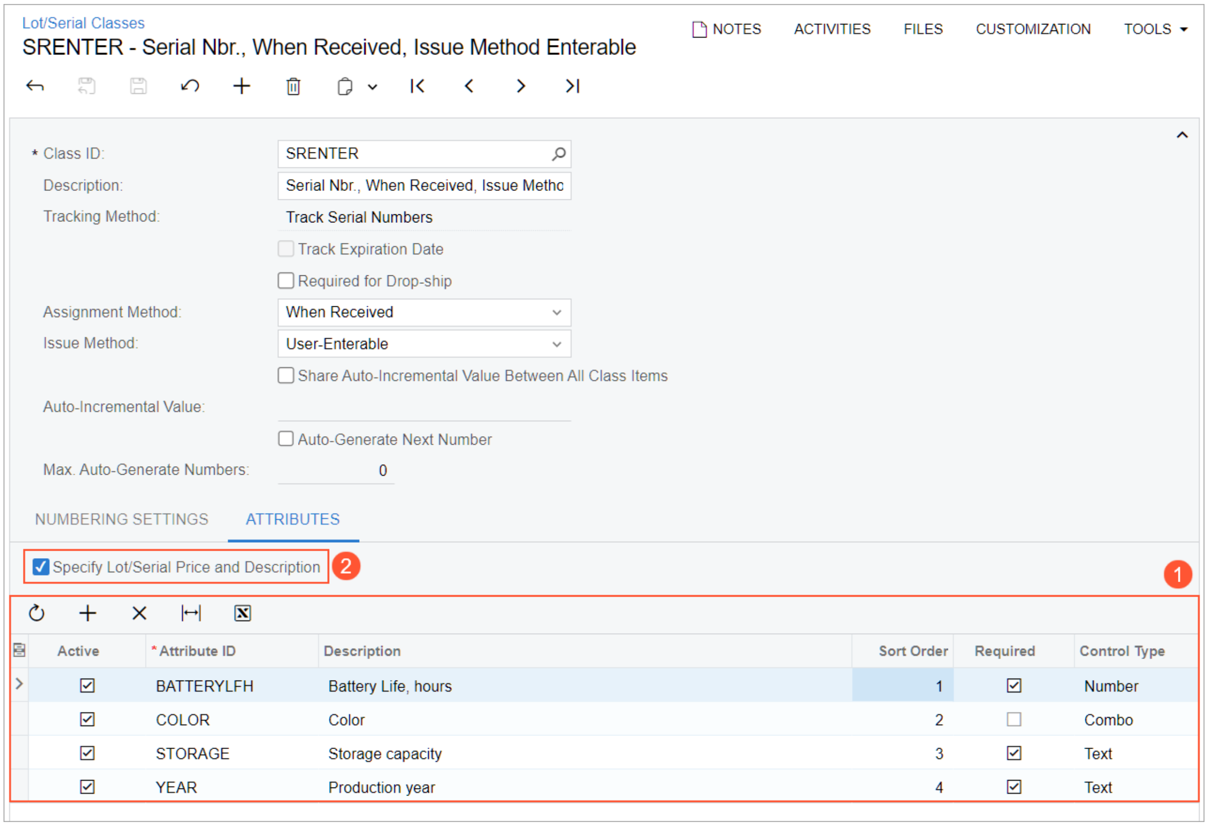


Figure: The Lot/Serial Classes form

Changes to the Stock Items Form

On the **Attributes** tab of the *Stock Items* (IN202500) form, the **Lot/Serial Attributes** table has been added (see the following screenshot). The table shows attributes for a particular lot- or serial-tracked item. By default, the table has the lot or serial attributes specified for the lot or serial class assigned to the item.

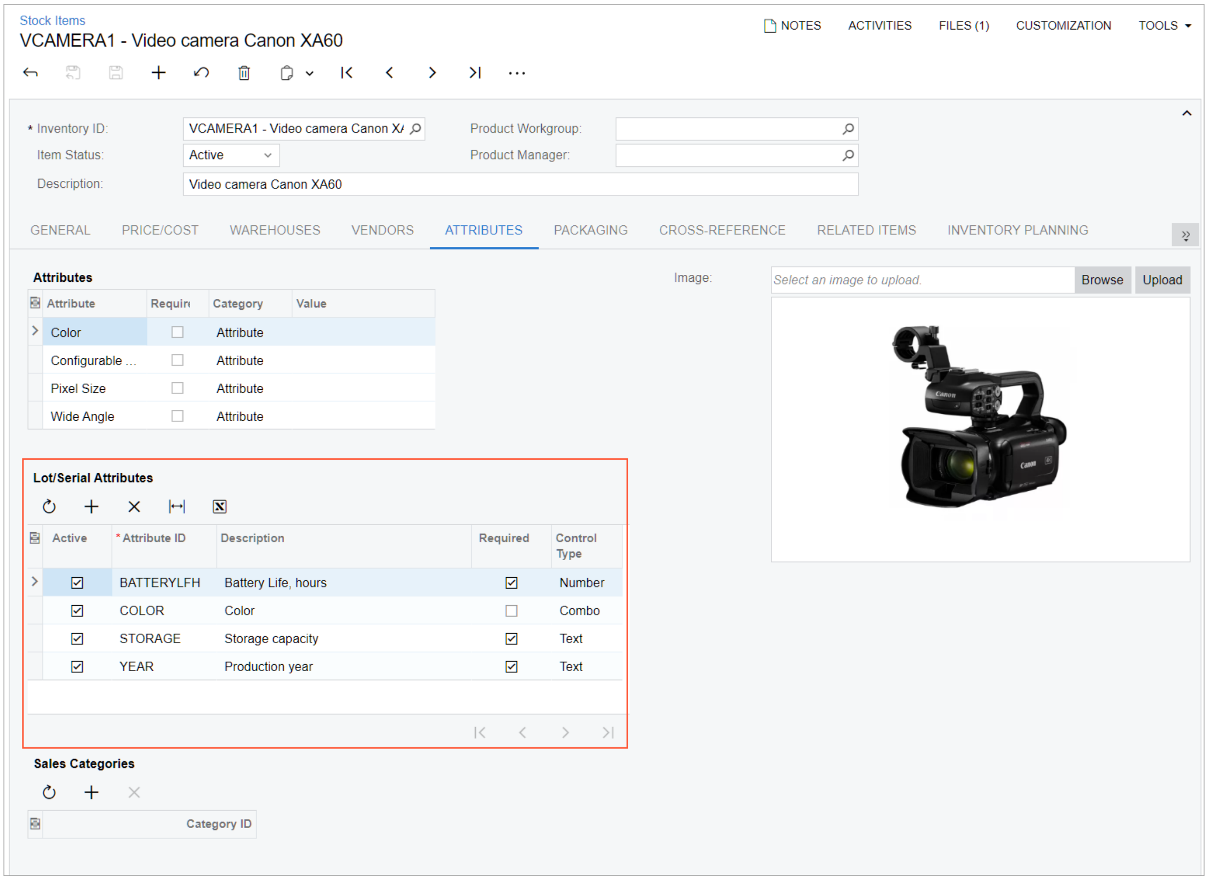


Figure: The Lot/Serial Attributes table on the Stock Items form

Changes to the Purchase Receipts and Receipts Forms

On the *Purchase Receipts* (PO302000) and *Receipts* (IN301000) forms, the **Lot/Serial Attributes** table has been added to the **Line Details** dialog box (see the following screenshot). The table contains the attributes and attribute values that are specified for the unit of the stock item selected in the line.

A user must enter the lot or serial number first; then they can specify attributes for the lot or serial numbers in the **Lot/Serial Attributes** table.

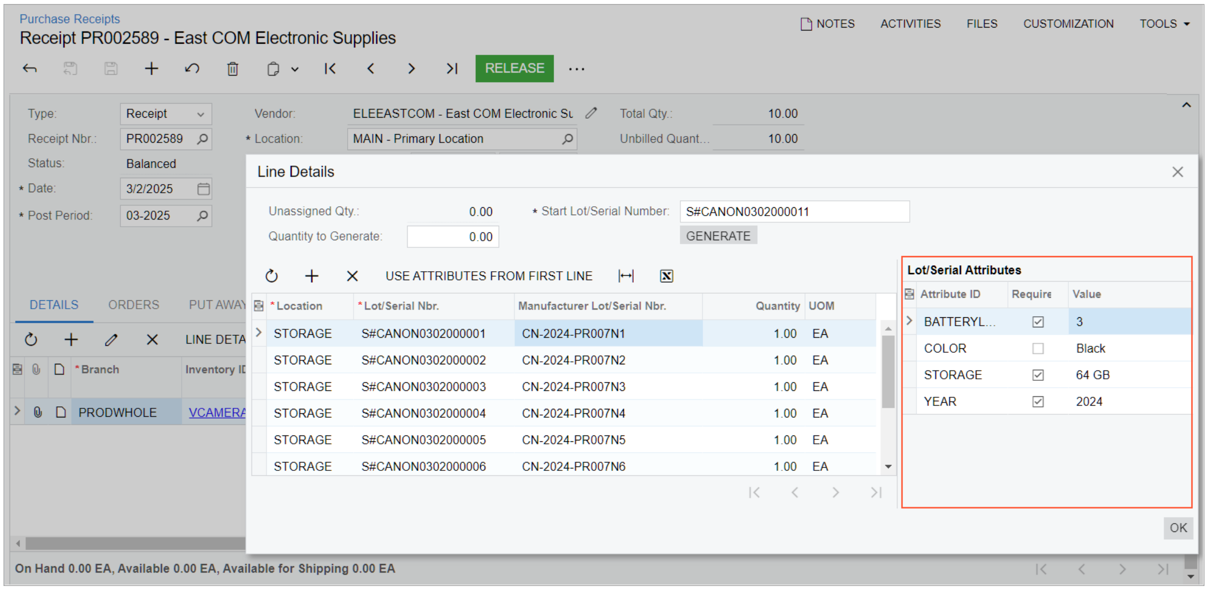


Figure: The Lot/Serial Attributes table in the Line Details dialog box

For each lot or serial number, a user can specify different attribute values. The user can copy all the attribute values in the first line to all the lines in the table by clicking **Use Attributes from First Line** on the table toolbar (Item 1 in the following screenshot).

Also, for each lot or serial number, the user can specify the manufacturer's lot or serial number in the **Manufacturer Lot/Serial Nbr.** column (Item 2).

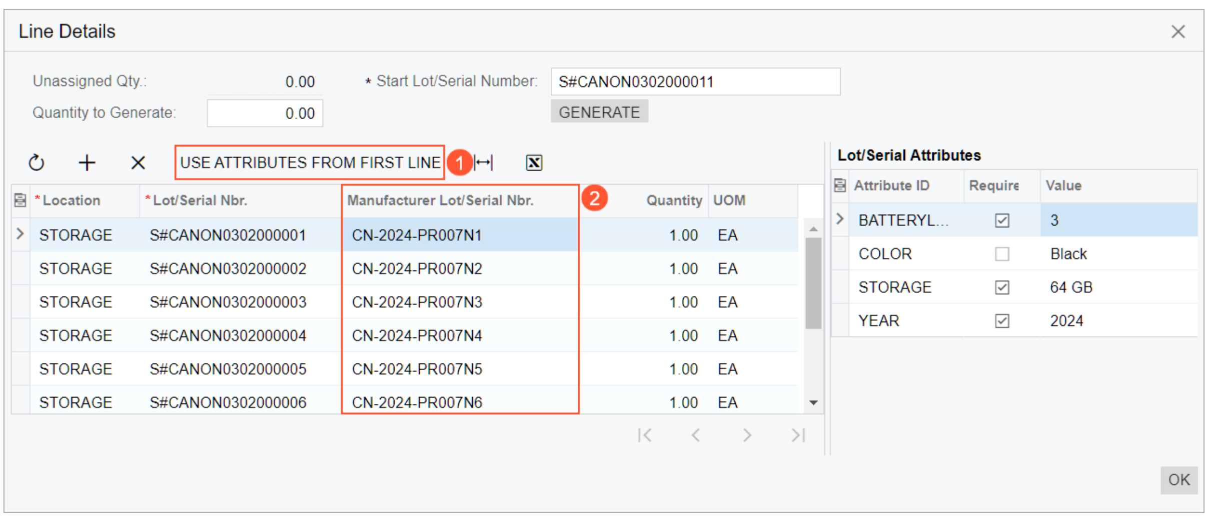


Figure: New button and column in the Line Details dialog box

Viewing and Modification of Lot or Serial Details for a Stock Item

The *Lot/Serial Details* (IN209600) form has been added (see the following screenshot). On this form, the user can do the following:

- In the Summary area, view the information related to a particular unit of a stock item with a lot or serial number (such as the expiration date, the manufacturer's lot or serial number, or the short description of the item)
- On the **Attributes** tab, view and modify the attribute values and upload an image of the unit
- On the **Description** tab, add or update an extended description of the unit

- On the **History** tab, review the history of related inventory documents

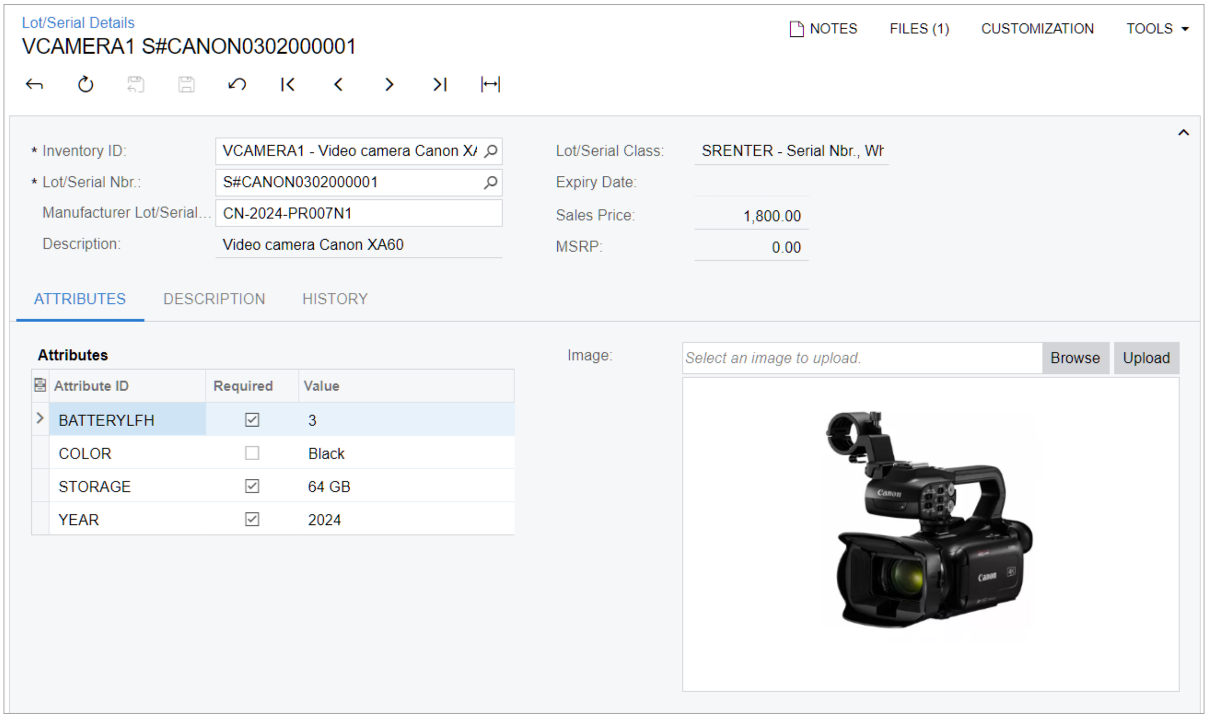
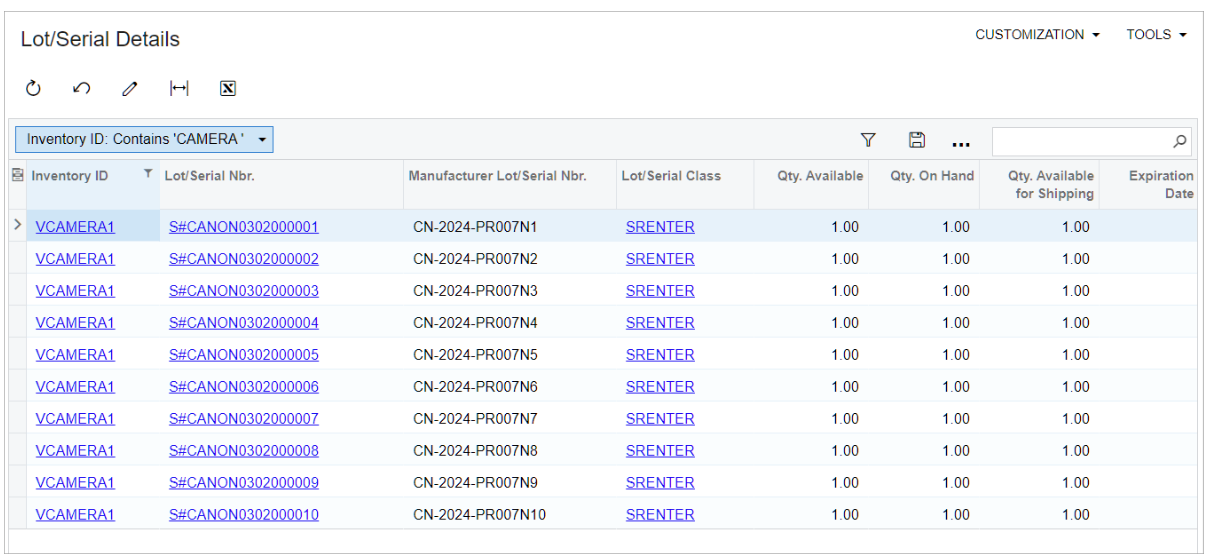


Figure: The Lot/Serial Details form

The user can open the *Lot/Serial Details* (IN209600) form by using the *Lot/Serial Details (IN2096PL)* list of records (see the following screenshot). Its link is available in the **Inventory** workspace under the **Profiles** category. The list of records shows all the lot- or serial-tracked units that are in stock or have been issued from the warehouse and have the following settings specified on the *Lot/Serial Classes* (IN207000) form:

- **Tracking Method**: *Track Lot Numbers* or *Track Serial Numbers*
- **Assignment Method**: *When Received*

By clicking a link in the **Lot/Serial Nbr.** column, a user can open the record with that number on the *Lot/Serial Details* form.



Inventory ID	Lot/Serial Nbr.	Manufacturer Lot/Serial Nbr.	Lot/Serial Class	Qty. Available	Qty. On Hand	Qty. Available for Shipping	Expiration Date
VCAMERA1	S#CANON0302000001	CN-2024-PR007N1	SRENTER	1.00	1.00	1.00	
VCAMERA1	S#CANON0302000002	CN-2024-PR007N2	SRENTER	1.00	1.00	1.00	
VCAMERA1	S#CANON0302000003	CN-2024-PR007N3	SRENTER	1.00	1.00	1.00	
VCAMERA1	S#CANON0302000004	CN-2024-PR007N4	SRENTER	1.00	1.00	1.00	
VCAMERA1	S#CANON0302000005	CN-2024-PR007N5	SRENTER	1.00	1.00	1.00	
VCAMERA1	S#CANON0302000006	CN-2024-PR007N6	SRENTER	1.00	1.00	1.00	
VCAMERA1	S#CANON0302000007	CN-2024-PR007N7	SRENTER	1.00	1.00	1.00	
VCAMERA1	S#CANON0302000008	CN-2024-PR007N8	SRENTER	1.00	1.00	1.00	
VCAMERA1	S#CANON0302000009	CN-2024-PR007N9	SRENTER	1.00	1.00	1.00	
VCAMERA1	S#CANON0302000010	CN-2024-PR007N10	SRENTER	1.00	1.00	1.00	

Figure: The Lot/Serial Details list of records

Deletion, Addition, and Updating of Lot and Serial Attributes

If a user adds or deletes attributes for a particular lot or serial class on the *Lot/Serial Classes* (IN207000) form, the system adds or deletes them for each existing item of this class on the *Stock Items* (IN202500) form. Also, if the user changes the state of the **Active** or **Required** check box for an attribute in the lot or serial class, the system changes the state of the respective check box for all the items of this class.

> A user cannot delete a lot or serial attribute from the *Stock Items* or *Lot/Serial Classes* form if at least one unit with a lot or serial number has been added to an unprocessed sales order.

Selection of a Lot- or Serial-Tracked Item in Documents

On the *Sales Orders* (SO301000), *Issues* (IN302000), *Adjustments* (IN303000), and *Transfers* (IN304000) forms, the **Add Lot/Serial Nbr.** button has been added to the table toolbar of the **Details** tab (see below). The button is available for a sales order with the *On Hold* status or *Open* status (if approvals are not configured for the order type).

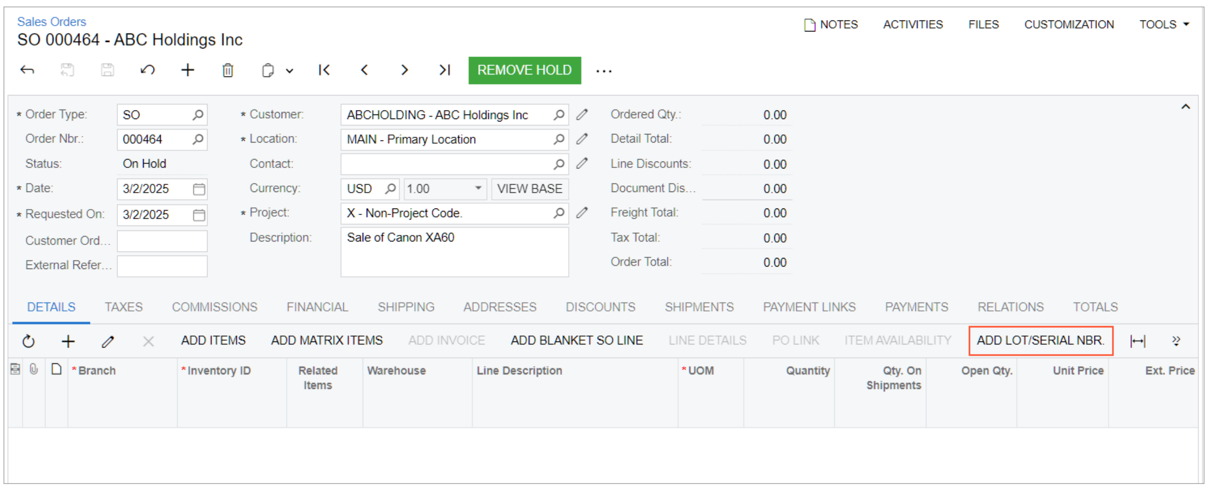


Figure: The Add Lot/Serial Nbr. button on the Sales Orders form

A user clicks the button to open the **Add Lot/Serial Nbr.** dialog box (see the following screenshot). In the dialog box, the user can view item availability and select units with particular lot or serial numbers.

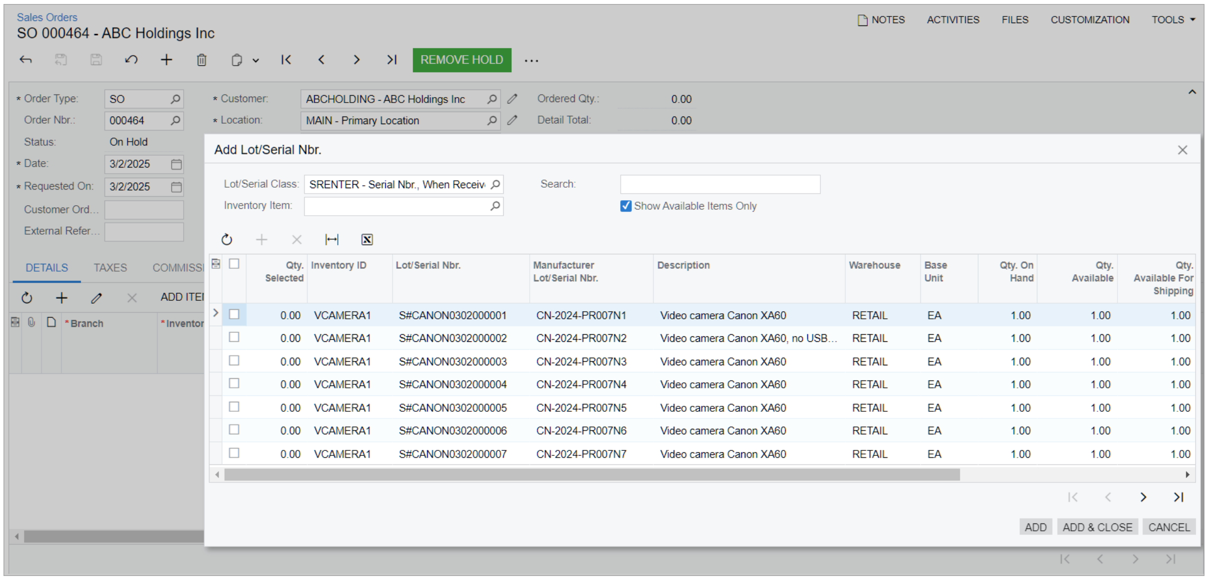


Figure: The Add Lot/Serial Nbr. dialog box

The table in the dialog box displays columns with attribute values specific for a unit with a particular lot or serial number (see the following screenshot). In the **Search** box, the user can search for units with lot or serial numbers by attribute values. The user can filter data in the table by the values in attribute columns.

When the user adds a unit with a lot or serial number to the sales order, the system allocates the unit with this lot or serial number for this order. The system will insert each unit with a serial number in a separate document line. For units with lot numbers, the system will add a line for all units with a particular lot number.

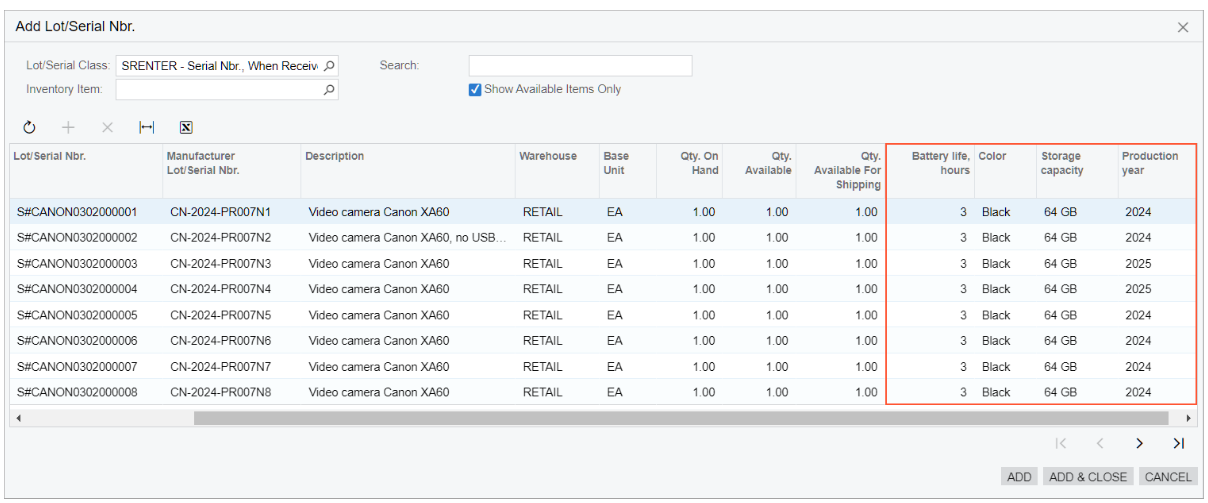


Figure: The unit-specific serial attributes

Specification of a Sales Price and Description for a Unit of a Stock Item

A user can specify the description, sales price, and MSRP for a particular unit of a stock item in the Summary area of the *Lot/Serial Details* (IN209600) form (see Items 1, 2, and 3 in the following screenshot). This functionality is available if the **Specify Lot/Serial Price and Description** check box is selected for the lot or serial class of the item on the *Lot/Serial Classes* (IN207000) form.

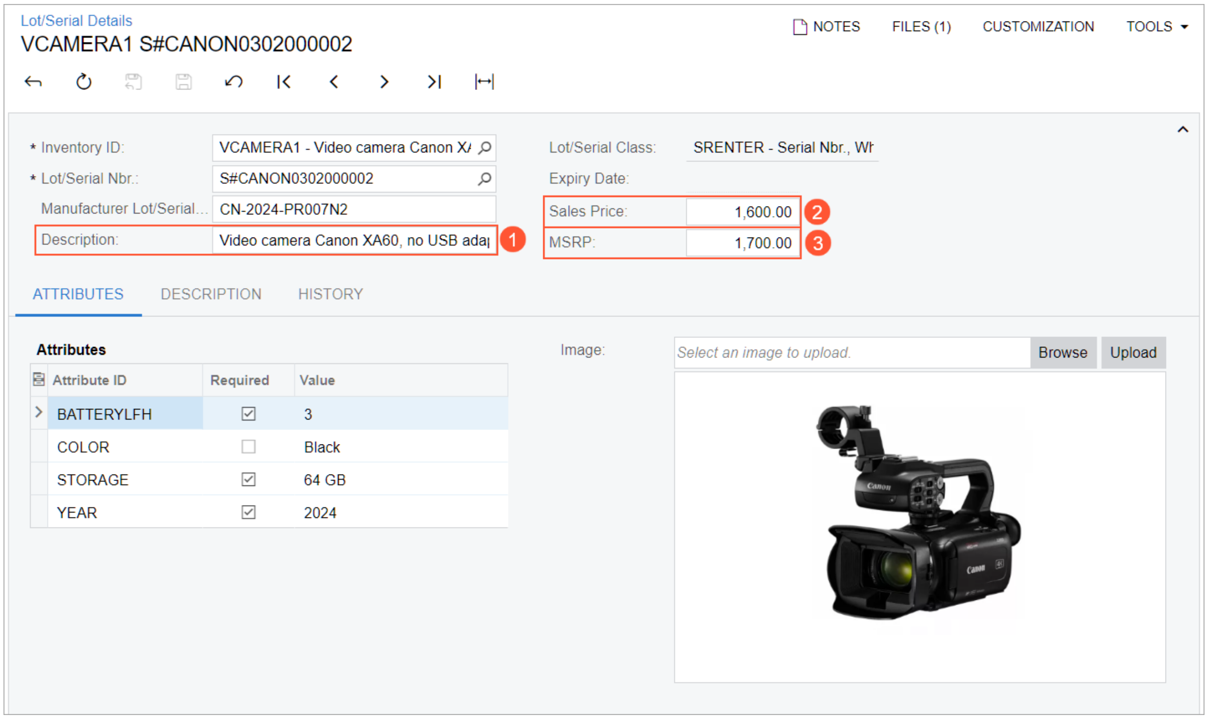


Figure: Editable description, sales price, and MSRP for a unit

When the unit with a particular lot or serial number is created, the system inserts the sales price and MSRP from the **Default Price** and **MSRP** boxes of the *Stock Items* (IN202500) form on the *Lot/Serial Details* form. In the **Description** box, the system inserts the description from one of the following forms:

- *Purchase Receipts* (PO302000)
- *Receipts* (IN301000) if the unit was added directly on this form to be received to stock

If the **Specify Lot/Serial Price and Description** check box is cleared, the **Description**, **Sales Price**, and **MSRP** boxes are cleared and unavailable for editing on the *Lot/Serial Details* form.

When the user adds the unit to a line on the **Details** tab of the *Sales Orders* (SO301000) form, the system inserts the unit's sales price in the **Unit Price** column and its description in the **Line Description** column.

> This capability is available as long as the order type of the sales order does not have *Blanket Order* or *Quote* specified as its automation behavior on the **Template** tab of the *Order Types* (SO201000) form.

Limitations

If the **Specify Lot/Serial Price and Description** check box is selected for the lot or serial class on the *Lot/Serial Classes* (IN207000) form, the following limitations apply to each item of the class:

- The item cannot be added to a sales price list on the *Sales Prices* (AR202000) form or a sales price worksheet on the *Sales Price Worksheets* (AR202010) form.
- The item must have a lot or serial number specified in a sales order line. The **Mark for PO** check box cannot be selected for this line.
- Each unit of a stock item with a lot or serial number must be added to a separate sales order line on the *Sales Orders* (SO301000) form because each unit may have a unique description and price.

Upgrade Notes

Before an upgrade to Acumatica ERP 2025 R1, if the *Acumatica-LotSerialNbrAttribute* customization project was used in the system before the upgrade, the administrator should contact their Acumatica support provider and request a migration script. For existing stock item records, a user can import lot and serial attributes by creating and using an import scenario on the *Import Scenarios* (SM206025) form.

- In Version 2025 R1, lot and serial attributes are not supported in manufacturing, field services, and retail commerce. If a company has published this customization project to deliver the functionality to these areas before the upgrade, it must continue using the customization project.
- Stock items that have been used in the customization project will not be added to Acumatica ERP if their lot or serial class had the *When Used* assignment method on the *Lot/Serial Classes* (IN207000) form before the upgrade.

Additional Information

For more information about lot and serial attributes for stock items, see *Items with Lot and Serial Numbers: Lot and Serial Attributes*.

Inventory and Order Management: Receive Transfer Mode of the Receive and Put Away Form

When items are transferred between warehouses, warehouse personnel may work with the following documents:

- A transfer order, which is an order with the *Transfer Order* automation behavior created on the *Sales Orders* (SO301000) form
- A transfer shipment—that is, a shipment of the *Transfer* type created on the *Shipments* (SO302000) form
- A transfer receipt—a purchase receipt of the *Transfer Receipt* type created on the *Purchase Receipts* (PO302000) form

In previous versions of Acumatica ERP, a warehouse worker could not create a transfer receipt when they were receiving and putting away items by using the mobile app. Instead, the warehouse manager had to create the transfer receipt in the system and provide it to the worker. Also, for the worker to put away the items, the manager had to create a separate inventory transfer. These restrictions in operations resulted in extra work, increased the risk of document errors, and caused processing delays.

Starting in Acumatica ERP 2025 R1, a warehouse worker can transfer items from the source warehouse to the destination warehouse by using the mobile app. They can create a transfer receipt based on a delivery document, such as a transfer shipment or transfer order. Multiple warehouse workers can now receive one transfer shipment if it includes different items. After a receiver releases the transfer receipt, they can put away the received items.

Warehouse workers can receive and put away inventory items by using a barcode scanner or mobile device for scanning if the *Receiving* feature is enabled on the *Enable/Disable Features* (CS100000) form.

The following sections describe the changes related to this functionality in Acumatica ERP 2025 R1.

Changes to the Purchase Orders Preferences Form

On the **Warehouse Management** tab of the *Purchase Orders Preferences* (PO101000) form, the **Display the Receive Transfer Tab** check box (shown below) has been added. If this check box is selected, users can process transfer receipts by using the *Receive and Put Away* screen of the mobile app or the *Receive and Put Away* (PO302020) form.

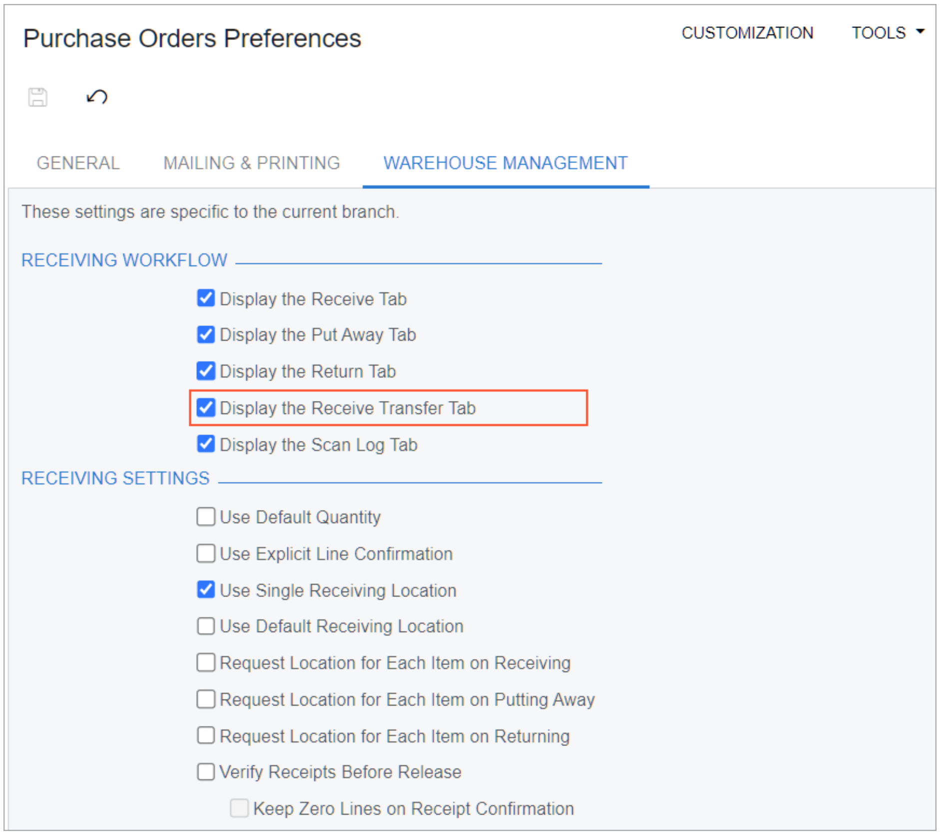


Figure: The new check box

Changes to the User Profile Form

On the *User Profile* (SM203010) form, the *Receive Transfer* option (shown below) has been added to the **Receive and Put Away** box on the **General Info** tab. If a user selects this option, the default mode on the *Receive and Put Away* (PO302020) form for this user will be Receive Transfer. The system will apply this change the next time the user signs in.

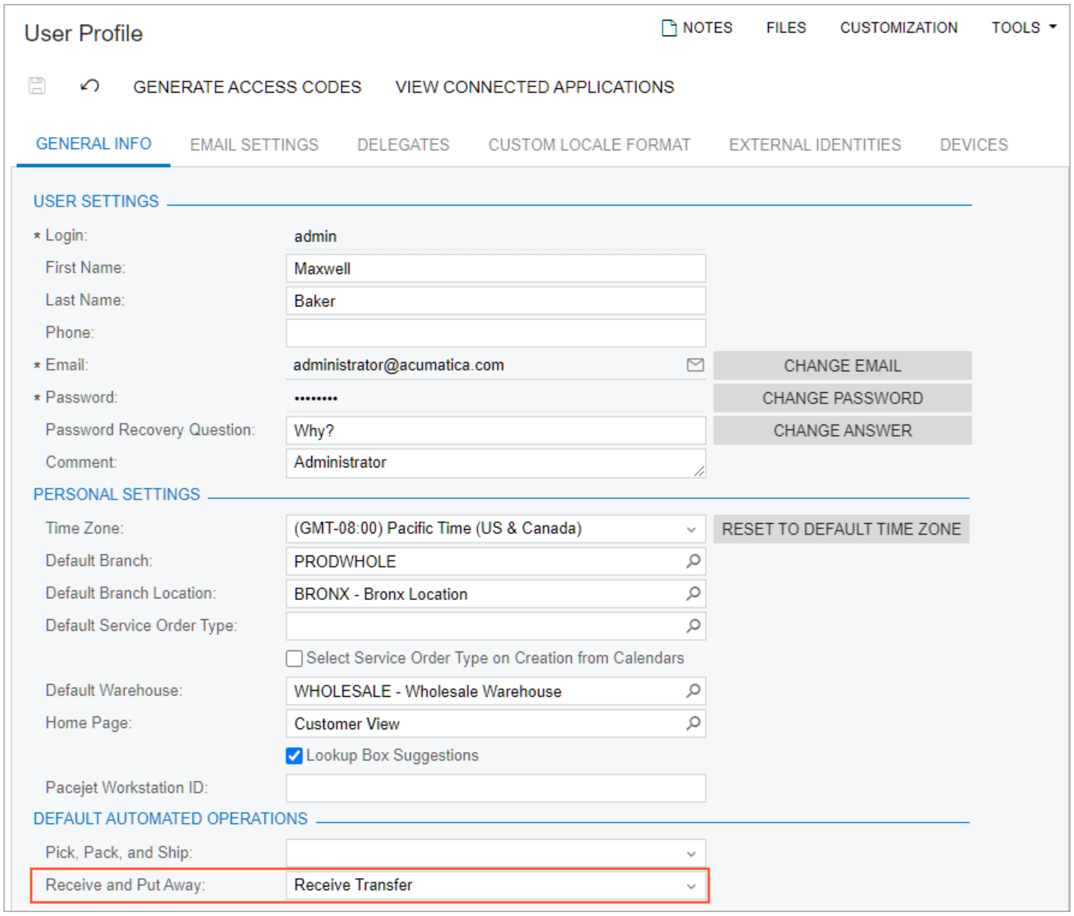


Figure: The new option in the Receive and Put Away box

A user can open the *User Profile* form by doing the following:

1. Clicking the User menu button in the top pane of the Acumatica ERP screen
2. Clicking **My Profile** on the User menu

Changes to the Receive and Put Away Form

On the *Receive and Put Away* (PO302020) form, the **Receive Transfer** tab has been added (see the following screenshot). This tab lists the lines of a purchase receipt with the *Transfer Receipt* type.

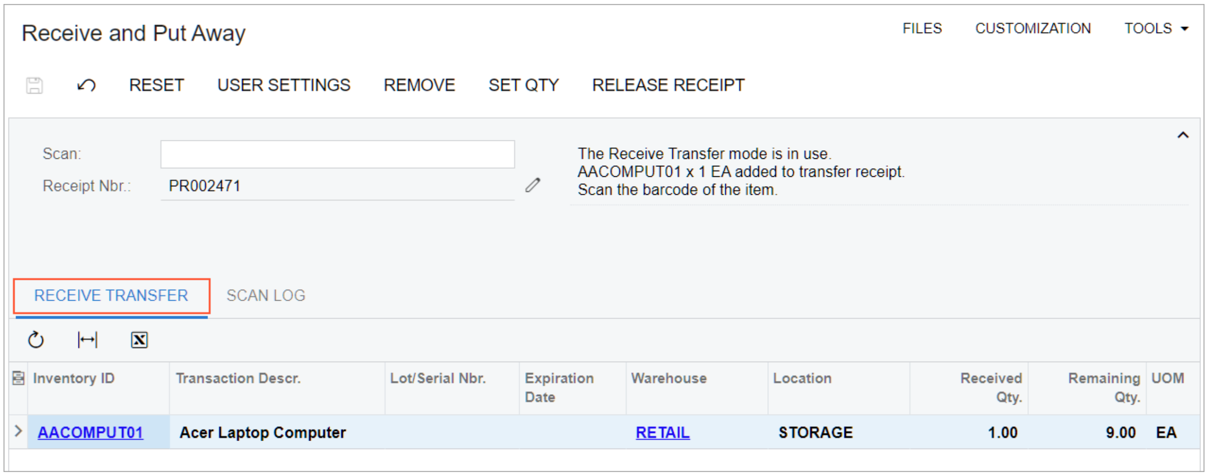


Figure: The Receive Transfer tab

The tab is shown if the **Display the Receive Transfer Tab** check box is selected on the *Purchase Orders Preferences* (PO101000) form and a user has switched to Receive Transfer mode by scanning any of the following:

- The `@potransfer` command
- The transfer receipt number (if the transfer receipt has already been created)

On the *Receive and Put Away* form, in Receive Transfer mode, a user can create a transfer receipt by scanning the number of a transfer shipment or transfer order. By default, the system creates the new transfer receipt with the *On Hold* status. The **Receive Transfer** tab has no lines from the newly created transfer receipt. Each line is added automatically by the system after a user has scanned the barcode of the item to be received.

Also, the system now automatically switches between Receive, Return, and Receive Transfer modes on the *Receive and Put Away* form based on the type of the scanned purchase receipt. For example, if Receive mode is in use and a user is scanning the number of a transfer receipt, the system automatically recognizes the type of the document and switches the mode to Receive Transfer so the user can process the transfer receipt.

Changes to the Purchase Receipts Form

On the *Purchase Receipts* (PO302000) form, the **Put Away** tab now appears for a receipt of the *Transfer Receipt* type. It lists single-step inventory transfers created in Put Away mode on the *Receive and Put Away* (PO302020) form for this purchase receipt (see the following screenshot).

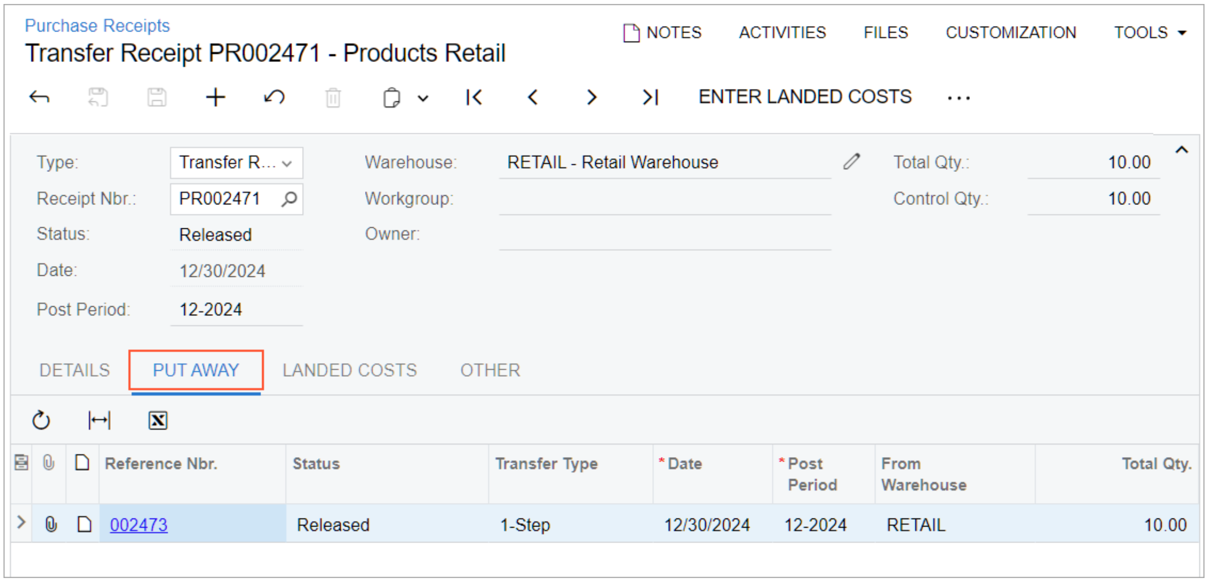


Figure: The Put Away tab

Changes to the Shipments Form

On the *Shipments* (SO302000) form, the **Receipts** tab has been added (see the following screenshot). The tab appears only for shipments of the *Transfer* type and lists all purchase receipts of the *Transfer Receipt* type created for the shipment. On this tab, a user can click links to the related transfer receipts and check which items in these receipts have been received at the destination warehouse.

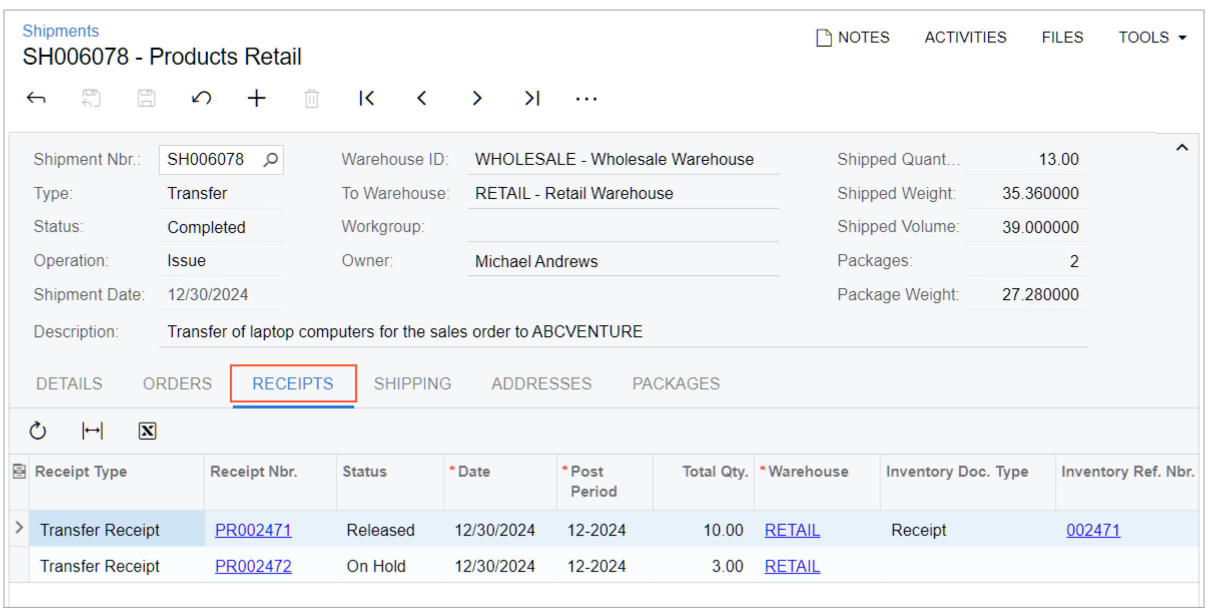
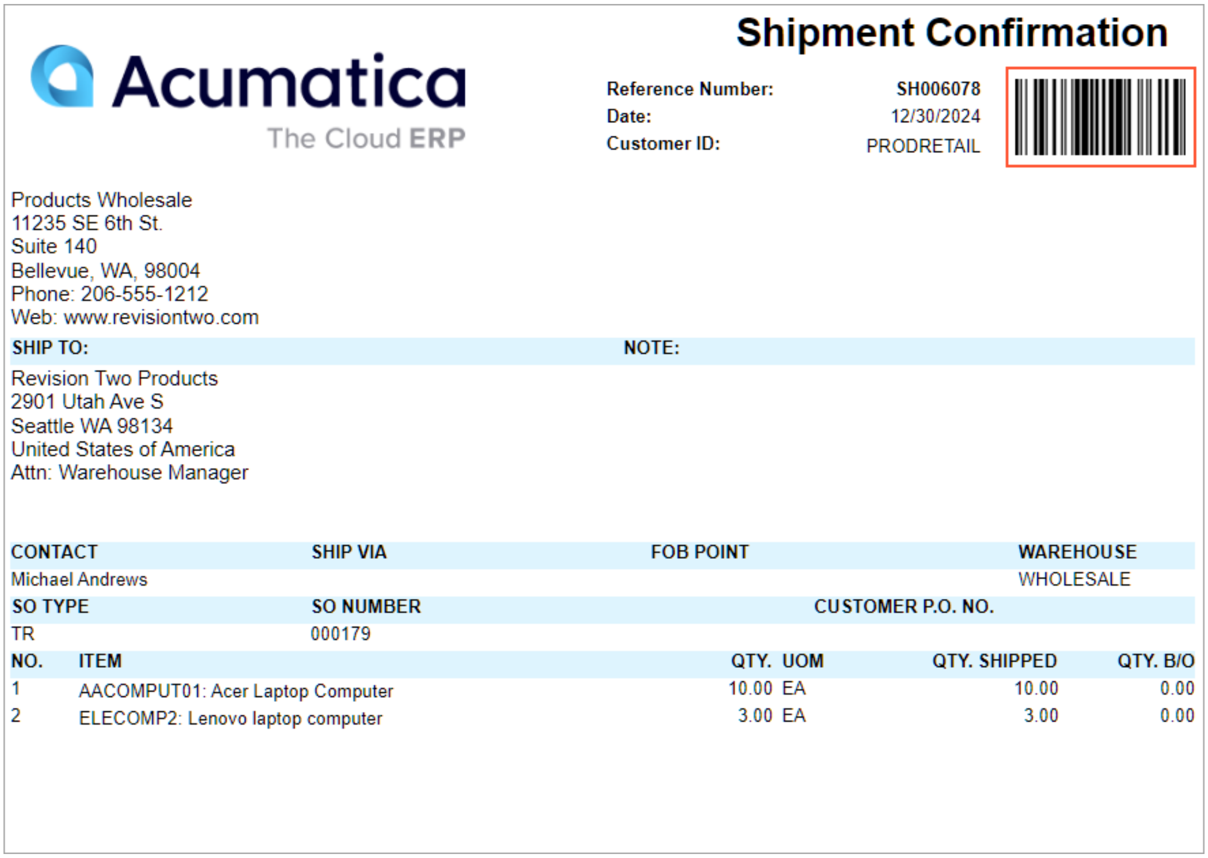


Figure: The Receipts tab

A user can click the link in the **Receipt Nbr.** column to open a transfer receipt on the *Purchase Receipts* (PO302000) form only if the user has access to the destination warehouse.

Changes to the Shipment Confirmation Report

In the *Shipment Confirmation* (SO642000) report, the barcode of the corresponding shipment number has been added (see the following screenshot). By scanning the shipment barcode, a warehouse worker can start processing the corresponding transfer receipt on the *Receive and Put Away* (PO302020) form.



Shipment Confirmation

Acumatica
The Cloud ERP

Reference Number:	**SH006078**
Date:	12/30/2024
Customer ID:	PRODRETAIL

Products Wholesale
11235 SE 6th St.
Suite 140
Bellevue, WA, 98004
Phone: 206-555-1212
Web: www.revisiontwo.com

SHIP TO: **NOTE:**

Revision Two Products
2901 Utah Ave S
Seattle WA 98134
United States of America
Attn: Warehouse Manager

CONTACT	SHIP VIA	FOB POINT	WAREHOUSE
Michael Andrews			WHOLESALE

SO TYPE	SO NUMBER	CUSTOMER P.O. NO.
TR	000179	

NO.	ITEM	QTY.	UOM	QTY. SHIPPED	QTY. B/O
1	AACOMPUT01: Acer Laptop Computer	10.00	EA	10.00	0.00
2	ELECOMP2: Lenovo laptop computer	3.00	EA	3.00	0.00

Figure: The barcode of the shipment

Processing of a Transfer Receipt on the Receive and Put Away Form

Starting in Acumatica ERP 2025 R1, warehouse workers can receive multiple transfer receipts for one transfer shipment simultaneously and put away items from these transfer receipts.

Suppose that goods (computers and monitors) should be transferred from a source warehouse to a destination warehouse. A user creates a transfer order on the *Sales Orders* (SO301000) form and processes the related transfer shipment on the *Shipments* (SO302000) form. The system generates and releases the inventory transfer that issues the items from the source warehouse to the destination warehouse. The transfer shipment has the *Completed* status on the *Shipments* form. Now the goods can be received at the destination warehouse.

Further suppose that the shipment confirmation report has 10 computers and 10 monitors to be transferred to the destination warehouse. One warehouse worker is responsible for receiving the computers at the warehouse location for computers, and another warehouse worker is responsible for receiving the monitors at the warehouse location for monitors. The warehouse personnel can transfer items from the source warehouse to the destination warehouse by performing the following steps:

1. Warehouse worker 1 scans the shipment barcode in the *Shipment Confirmation* (SO642000) report. The system switches to Receive Transfer mode, creates the transfer receipt, and displays the **Receive Transfer** tab with no lines on the *Receive and Put Away* (PO302020) form.
2. Warehouse worker 1 performs the following operations to process the transfer receipt:

a. Scans the barcode of the location for computers at the destination warehouse

b. Scans the barcode of each computer that has been received

c. Releases the transfer receipt

When the transfer receipt has been released, warehouse worker 1 can put away the items.

3. Warehouse worker 2 scans the barcode in the *Shipment Confirmation* report. The system switches to Receive Transfer mode, creates the transfer receipt, and displays the **Receive Transfer** tab with no lines on the *Receive and Put Away* form.
4. Warehouse worker 2 performs the following operations to process the transfer receipt:

   a. Scans the barcode of the location for monitors at the destination warehouse

   b. Scans the barcode of each monitor that has been received

   c. Releases the transfer receipt

   When the transfer receipt has been released, warehouse worker 2 can put away the items.

Duplicate Identifiers in Document Processing

In Receive Transfer mode on the *Receive and Put Away* (PO302020) form, a user can scan the identifiers (that is, reference numbers) of such documents as transfer shipments, transfer receipts, or transfer orders. Although documents of a particular type (such as transfer receipts) have unique identifiers, documents of different types (such as a transfer receipt and a transfer order) can share the same identifier. When an identifier is scanned, the system searches in the following order until it finds a document with the identifier:

1. Transfer receipts on the *Purchase Receipts* (PO302000) form
2. Transfer shipments on the *Shipments* (SO302000) form
3. Transfer orders on the *Sales Orders* (SO301000) form

Suppose that the system has two documents with identical identifiers: a transfer receipt and a transfer shipment. If a user enters an identifier matching a released transfer receipt on the *Receive and Put Away* form, the system displays an error message indicating that the transfer receipt has already been released. This prevents further processing of the shipment with the same identifier.

> To ensure that identifiers are unique and avoid issues with duplicates, we strongly recommend creating a separate numbering sequence with a unique prefix on the *Numbering Sequences* (CS201010) form for each type of document. This will cause identifiers to be unique across documents of different types.

Mobile App

In the Acumatica mobile app, on the *Receive and Put Away* screen, the **Receive Transfer** button has been added under the **Change Mode** category (see the following screenshot). The button is available if the **Display the Receive Transfer Tab** check box is selected on the **Warehouse Management** tab of the *Purchase Orders Preferences* (PO101000) form.

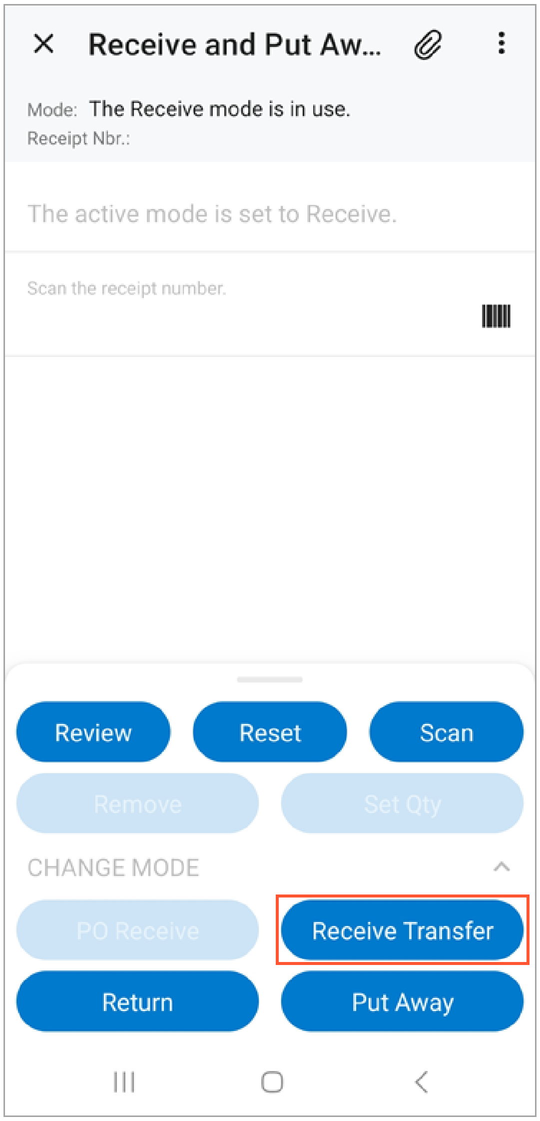


Figure: The Receive Transfer button

On the More menu of the *Receive and Put Away* screen, the **Release Receipt** command has been added (see the following screenshot). The command is shown in Receive mode if the transfer receipt's items have already been received by a warehouse worker.

Figure: The Release Receipt command

On the *Receive and Put Away* screen, if a user taps **Review** and then taps the item, the system displays the information about the received item, including the transfer order number and the transfer shipment number (see the following screenshot).

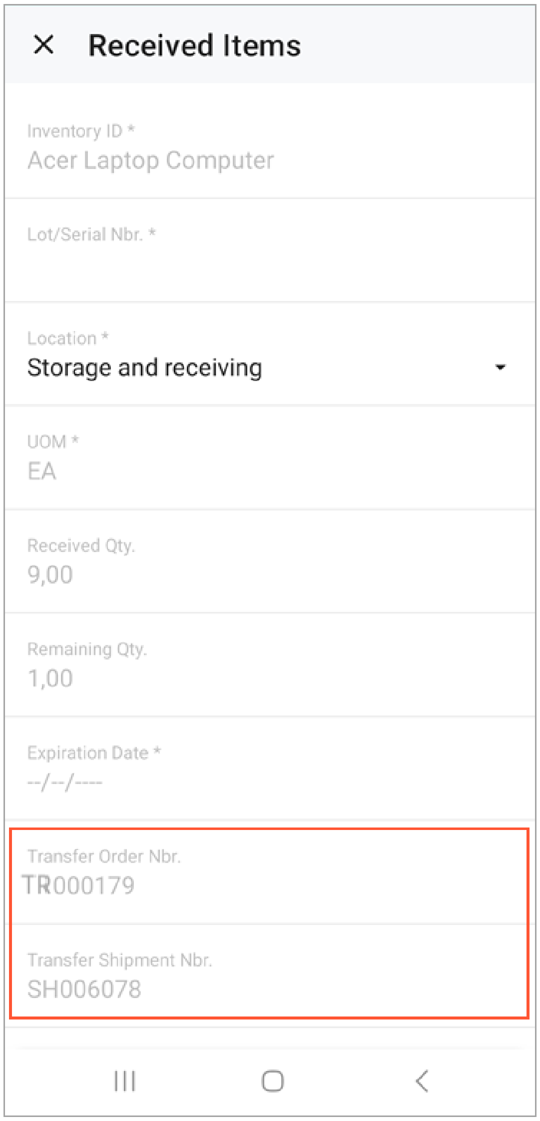


Figure: The numbers of the transfer order and transfer shipment

Limitations

In Acumatica ERP 2025 R1, multiple users cannot simultaneously process unreleased transfer receipts with partial item quantities on the *Receive and Put Away* (PO302020) form. However, if a user has created and released a transfer receipt with a partial item quantity, the remaining quantity can be received in another transfer receipt.

Upgrade Notes

After an upgrade to Acumatica ERP 2025 R1, on the *Purchase Orders Preferences* (PO101000) form, the state of the **Display the Receive Transfer Tab** check box will be either of the following:

- Selected if the **Display the Receive Tab** check box was selected before the upgrade
- Cleared if the **Display the Receive Tab** check box was cleared before the upgrade

Additional Information

For more information about Receive Transfer mode, see *Receiving and Putting Away Operations: Transfer Receipt Processing*.

Inventory and Order Management: Other Improvements

Acumatica ERP 2025 R1 introduces improvements to inventory and order management processes and the UI, as described below.

Removal of the Advanced Availability Validation Check Box

In Acumatica ERP 2025 R1, the **Advanced Availability Validation** check box has been removed from the *Sales Orders Preferences* (SO101000) form because the system does not use it to calculate on-hand item quantities. If a user wants to allow the on-hand quantity of an item to become negative in documents, they need to select the **Allow Negative Quantity** check box on the *Item Classes* (IN201000) form for the item's class. Otherwise, they will not be able to do either of the following if the action would cause the actual quantity of an item of the class to become negative:

- Confirm a shipment that contains the item
- Save a sales order that contains the item if the order has the *Invoice* automation behavior

Inventory Planning: Forecast Consumption Visibility

In Acumatica ERP, the forecasted demand is included in inventory planning workflows. Forecasts can be set up based on historical sales data, seasonality, or other business-specific patterns and can be adjusted for various factors, such as promotions or anticipated demand spikes. These forecasts provide insight that managers can use to determine replenishment strategies so that inventory levels are optimized to avoid stockouts or overstock. As such, the forecasts help companies to maintain balance in inventory-carrying costs and to meet customer demand efficiently.

When a forecast is marked as dependent, Acumatica ERP automatically reduces the forecasted quantity by the quantity of items in sales orders and excludes the consumed forecasted quantity from inventory planning. By using dependent forecasts, companies can reduce the risk of over-ordering and producing excess inventory that may not be needed.

Previous versions of Acumatica ERP did not provide the ability to easily compare the forecasted demand with the actual demand for dependent forecasts, so planning managers had to create custom reports or generic inquiries. In Acumatica ERP 2025 R1, a side panel has been introduced on the *Forecast* (AM202000) and *Forecast Listing* (AM000005) forms to improve the visibility of the actual demand during particular forecast intervals. The tabs of the new side panel of this form are described in the following section.

> The forecasting functionality is available only when the *Distribution Requirements Planning* or *Material Requirements Planning* feature is enabled on the *Enable/Disable Features* (CS100000) form.

Side Panel on the Forecast and Forecast Listing Forms

A side panel has been added to the *Forecast* (AM202000) and *Forecast Listing* (AM000005) forms with the **Forecast vs. Sales** and **Forecast vs. Sales Details** tabs. The following screenshot shows these tabs on the side panel of the *Forecast* form. On these tabs, the system displays data from the *Forecast vs. Sales (AM404100)* and *Forecast vs. Sales Details (AM404200)* inquiry forms, respectively. These inquiry forms have been added to the site map and are available in the **Inventory Planning** workspace.

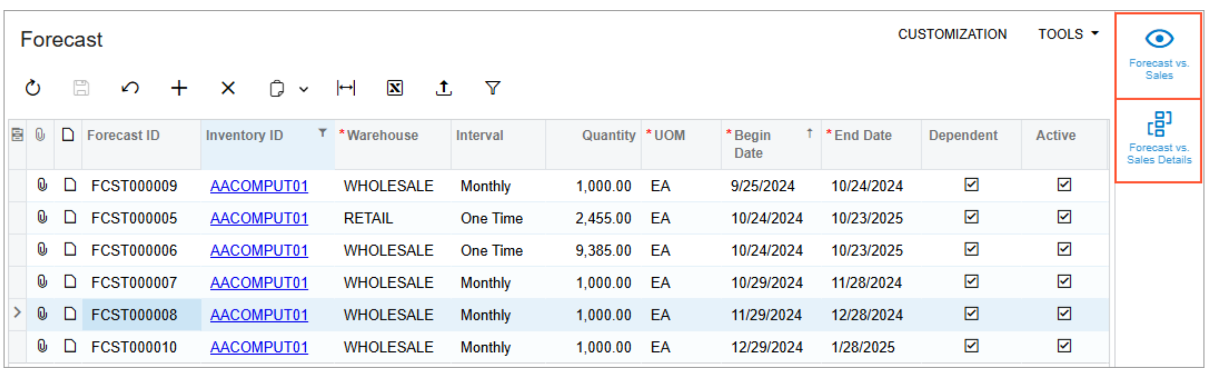


Figure: The tabs of the new side panel on the Forecast form

For each forecast selected on the *Forecast* or *Forecast Listing* form, a planning manager can open and expand the **Forecast vs. Sales** tab to see the forecasted quantity, the ordered quantity, and the quantity variance for each forecast interval. (See the following screenshot.)

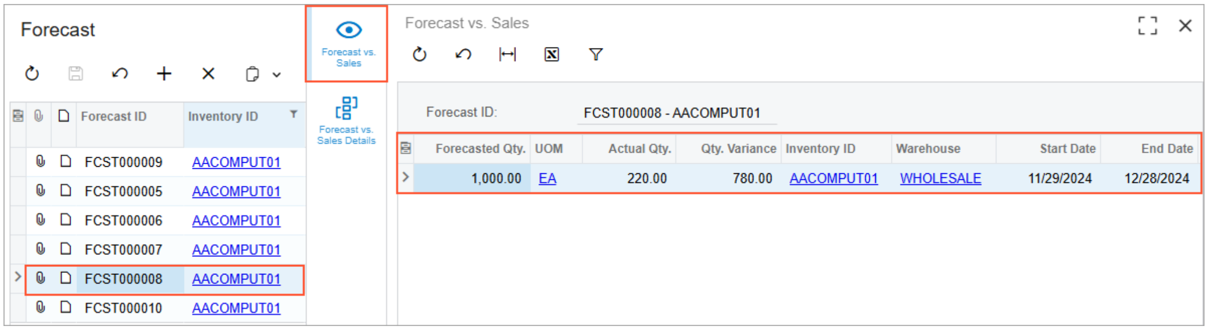


Figure: The Forecast vs. Sales tab on the side panel

To explore which sales orders consumed the forecasted demand, the planning manager can use the **Forecast vs. Sales Details** tab, which is shown in the following screenshot. The table on this tab lists all sales orders that have been created for the item during the forecast interval selected in the Selection area, along with the ordered quantities and additional details from the corresponding sales order lines.

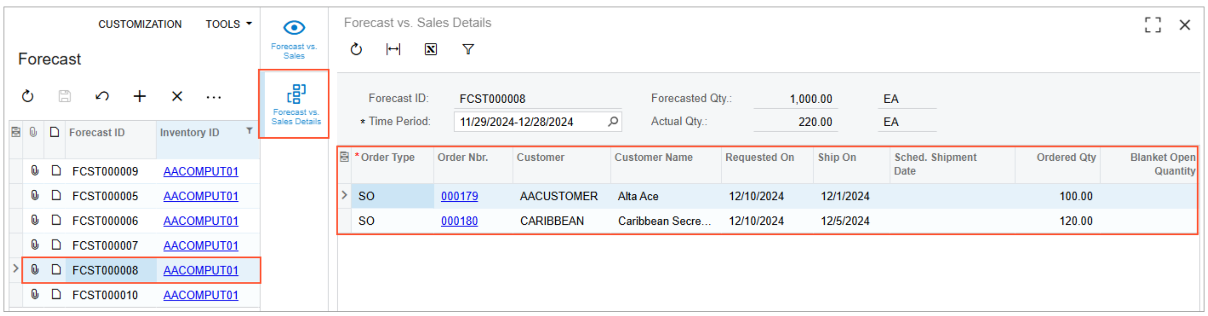


Figure: The Forecast vs. Sales Details tab on the side panel

For ease of comparison, the ordered quantities displayed on the **Forecast vs. Sales** and **Forecast vs. Sales Details** tabs are converted to the forecast's unit of measure.

Inventory Planning: Improved Traceability of Demand and Supply

The *Inventory Planning Results by Item* (AM404000) form is a key tool for schedulers and planners to review and interpret inventory planning suggestions before taking action.

In previous versions of Acumatica ERP, labeling inconsistencies across the Inventory Planning forms made it difficult to identify document IDs responsible for quantity changes. Additionally, the lack of clear references to demand or supply documents and the absence of details on consolidated demand records further complicated the interpretation of inventory planning data.

In Acumatica ERP 2025 R1, the following updates have been made to improve demand and supply traceability and enhance consistency between related inventory planning forms:

- The following new columns have been added to the table on the *Inventory Planning Results by Item* form:
  - **Related Product Document**: Displays the reference number of the demand document that contains the parent item of the top level. This preserves the ability to view the top-level document for certain generated supply and demand records, maintaining consistency with existing terminology.
  - **Consolidation ID**: Displays the identifier of the consolidation record either for a demand record included in a consolidation or for a generated supply record created to meet the demand of a consolidated record, allowing users to trace which demand records were consolidated into a single supply record. This column is available only if the **Use Days of Supply to Consolidate Orders** check box is selected on the *Inventory Planning Preferences* (AM100000) form.
- The **Related Document** column on the *Inventory Planning Results by Item* form now shows the ID of the document responsible for increasing or decreasing inventory quantities, providing insights into the supply and demand documents influencing inventory changes for specific items.
- The **Generated Supply Document** column has been added to the *Inventory Planning Display* (AM400000) form. This column displays the system-assigned ID of the supply document generated by the inventory planning regeneration process, enabling users to easily relate the supply row on the *Inventory Planning Display* form to the corresponding row on the *Inventory Planning Results by Item* (AM404000) form.
- A new numbering sequence that uses the *PLPO* prefix has been introduced for inventory planning-generated purchase orders, ensuring consistency with other generated plans, such as planned production orders, consolidation suggestions, planned transfer orders, and planned kit assemblies, all of which are created and stored with unique IDs.

Localization (Canada): RBC ACH094 Plug-In for International Payments

In previous versions of Acumatica ERP, users could export batches of AP payments via the Automated Clearing House (ACH) plug-in, which works for domestic payments in the United States. Acumatica ERP also supports the CPA005 plug-in for domestic payments in Canada. These plug-ins do not support the International ACH Transactions format and cannot be used for cross-border payments between Canada and the US.

In Acumatica ERP 2025 R1, the Royal Bank of Canada (RBC) ACH094 plug-in has been added to export AP payments in the National Automated Clearing House Association (NACHA) ACH094 format for cross-border payments from a USD account residing in Canada to a USD account residing in the United States. The plug-in appears in the system if the *Canadian Localization* feature is enabled on the *Enable/Disable Features* (CS100000) form.

The following sections describe the UI changes and changes in document processing to support this functionality.

Changes to the Payment Methods Form

On the *Payment Methods* (CA204000) form, the following changes have been made:

- In the **Direct Deposit File Format** box, the *RBC ACH094* option has been added (Item 1 in the screenshot below).
- In the **Export Method** box, the *RBC ACH094 Plug-In* option has been added (Item 2). The system automatically inserts this option when *RBC ACH094* is selected as **Direct Deposit File Format**. On the **Remittance Settings** tab, the settings for the specified export method are filled in automatically.

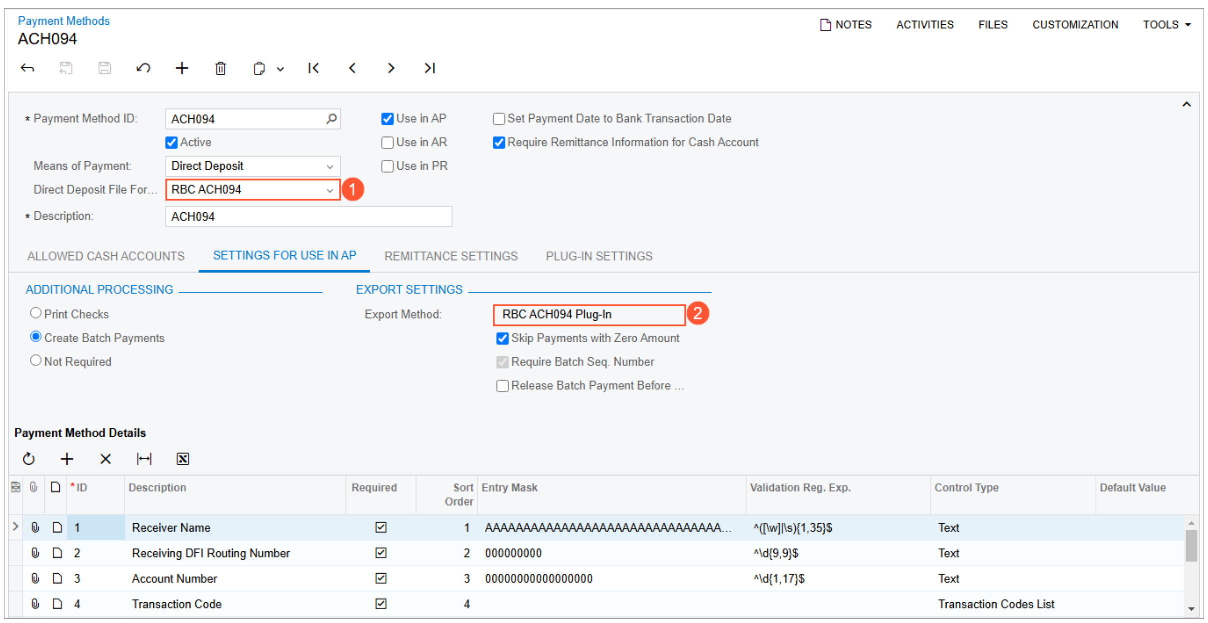


Figure: UI changes on the Payment Methods form

On the **Plug-In Settings** tab, the system automatically inserts the default settings for this plug-in (shown below), which the user can override.

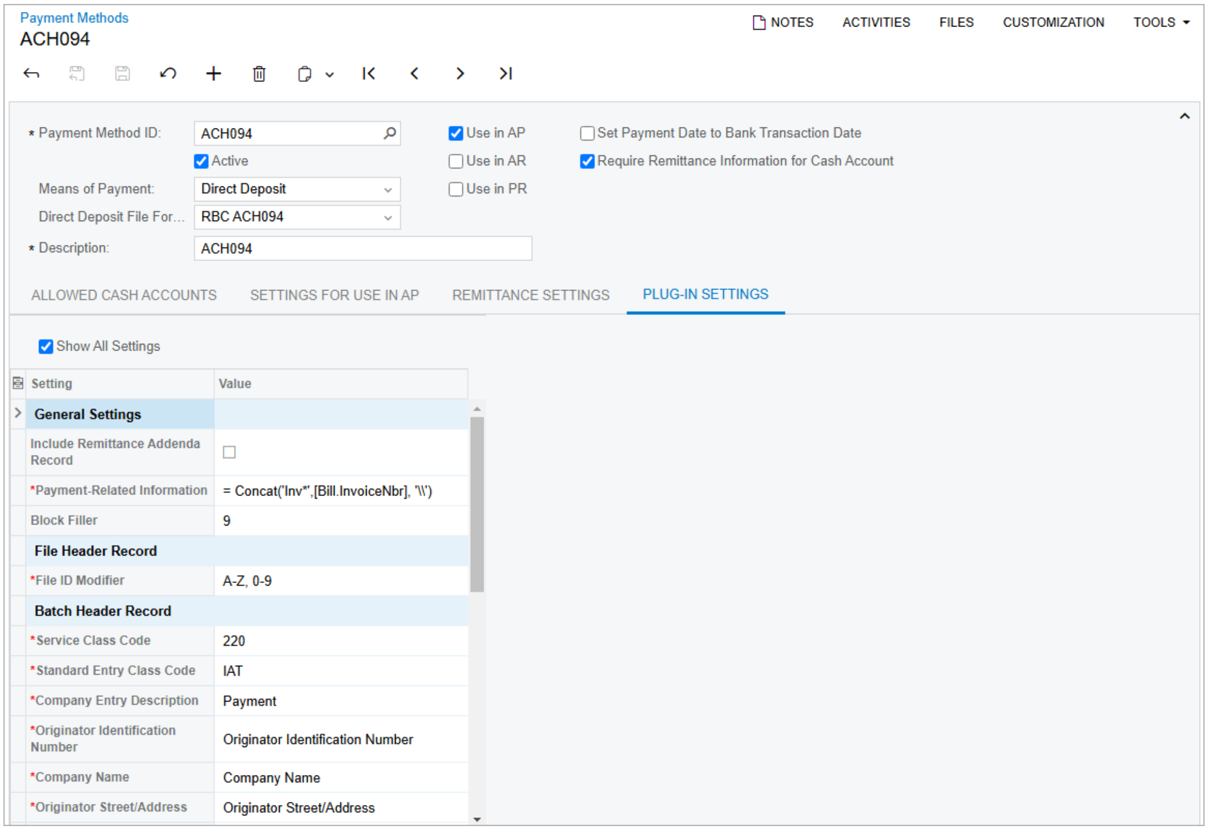


Figure: The settings of the RBC ACH094 plug-in

Setup of the RBC ACH094 Plug-In

To set up the RBC ACH094 plug-in in the system, an administrative user performs the following actions:

1. On the *Payment Methods* (CA204000) form, creates a payment method, selecting *Direct Deposit* in the **Means of Payment** box.
2. In the **Direct Deposit File Format** box for the payment method, selects *RBC ACH094*.

   The system automatically inserts *RBC ACH094 Plug-In* in the **Export Method** box on the **Settings for Use in AP** tab.
3. On the **Remittance Settings** tab, specifies the remittance settings for the cash account. These settings are filled in for the cash account on the **Remittance Settings** tab of the *Cash Accounts* (CA202000) form.
4. On the **Settings for Use in AP** tab, specifies or adjusts the payment details with the vendor's settings. These settings are filled in for the vendor on the **Payment** tab of the *Vendors* (AP303000) form.
5. On the **Plug-In Settings** tab of the *Payment Methods* form, reviews and adjusts the plug-in settings.

Localization (Canada): Support of T4A Reporting

Previous versions of Acumatica ERP did not support the generation of the T4A report (also known as a Statement of Pension, Retirement, Annuity, and Other Income) and its electronic submission to the Canada Revenue Agency (CRA).

Acumatica ERP 2025 R1 introduces support for the generation of the T4A XML file and its electronic submission to the CRA. This functionality is available in the system if the *Canadian Localization* feature is enabled on the *Enable/ Disable Features* (CS100000) form.

The following sections describe the UI changes made to multiple forms and changes in document processing to support this functionality.

Changes to the Vendors Form

On the *Vendors* (AP303000) form, the following changes have been made:

- On the More menu, the following commands have been removed from the **Vendor Management** section: **Enable T5018 Reporting** and **Disable T5018 Reporting**.
- On the **General** tab, the **T5018 Vendor** check box has been removed from the **Vendor Properties** section.
- The **CRA Reporting Type** box (Item 1 in the screenshot below) has been added to the **Vendor Properties** section. This box contains one of the following options:
  - *None* (default): This value is specified when the *Canadian Localization* feature is enabled.
  - *T5018*: If a user selects this option, users will be able to mark lines of bills or prepayments as T5018. The lines of these bill payments and prepayment will be included in the vendor's T5018 amount.
  - *T4A*: If a user selects this option, all the released payments are included in the vendor's T4A amount.
- If *T4A* is selected in the **CRA Reporting Type** box, the following boxes appear on the form:
  - **T4A Box** (Item 2): The type of payment, which can be one of the following: *Box 20 - Self Employed Commissions*, *Box 28 - Other Income*, or *Box 48 - Fees for Services* (default).
  - **CRA Vendor Type** (Item 3): The type of subcontractor (the former **T5018 Box**).
  - **CRA Payroll Account Number** (Item 4): A 15-character payroll account number for dealing with CRA. This box appears on the form if the **CRA Vendor Type** box is set to *Corporation* or *Partnership*.
- The **SIN** box now appears on the form if the **CRA Vendor Type** box contains *Individual*.

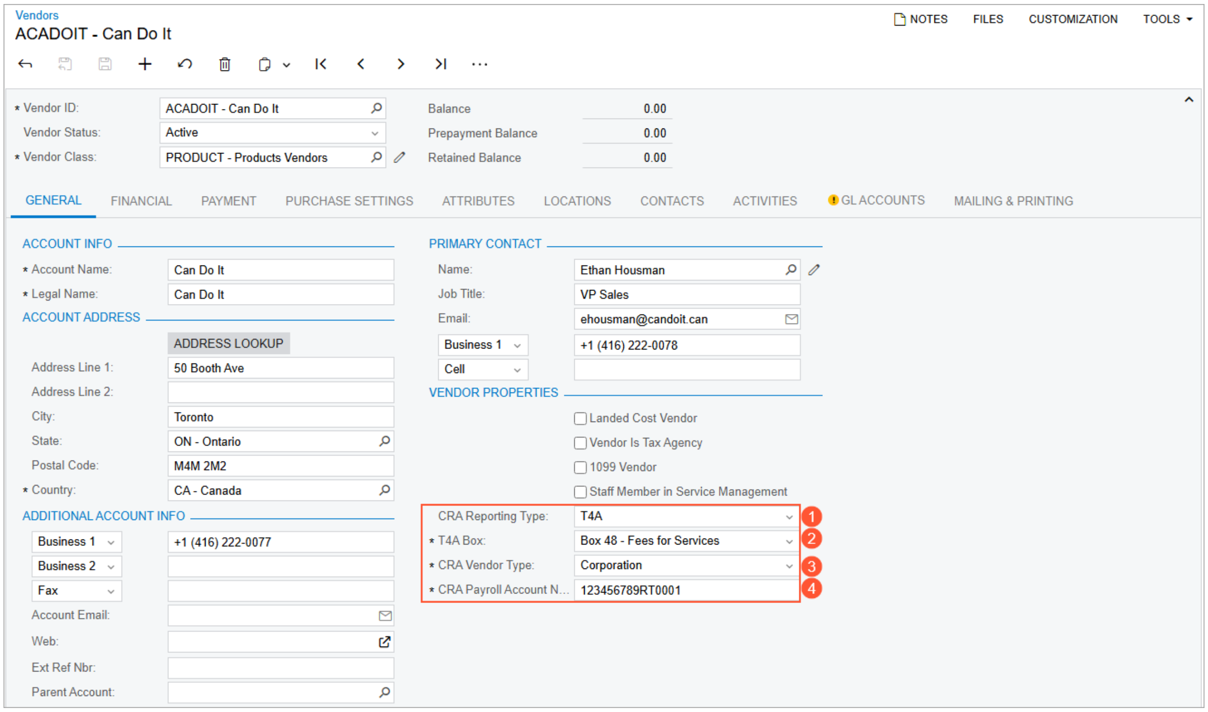


Figure: Boxes related to T4A reporting

Changes to the Companies Form

On the *Companies* (CS101500) form, the following changes have been made:

- The **T5018 Settings** section has been removed and the **CRA** section (Item 1 in the screenshot below) has been added instead.
- The **CRA Payroll Account Number** box has been renamed to **Payroll Account Number** (Item 2).
- The **Program Number** box has been renamed to **Information Returns Account Number** (Item 3).
- The **Year Type** box has been renamed to **T5018 Year Type** (Item 4).

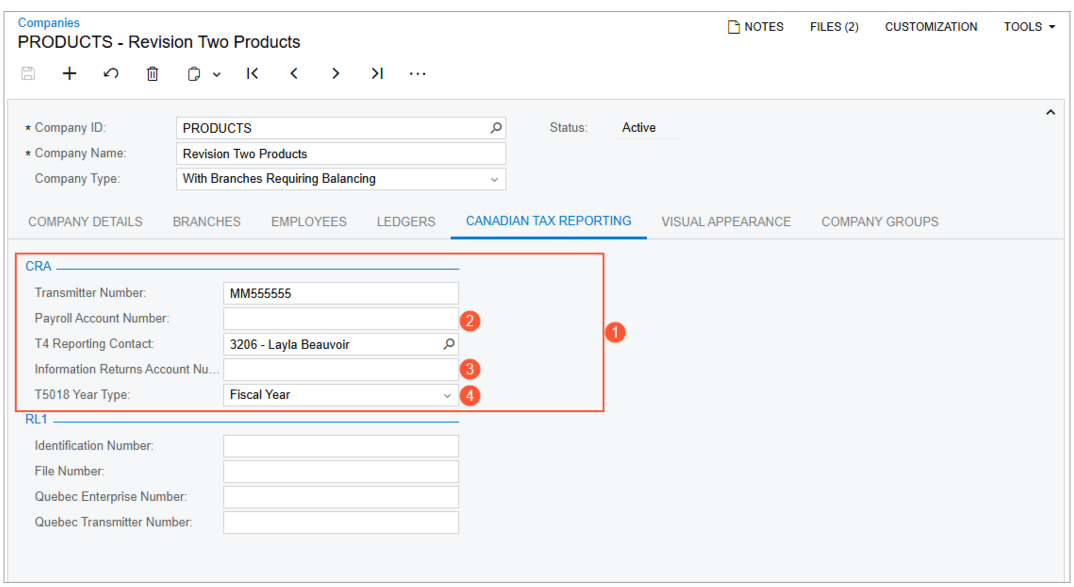


Figure: UI changes on the Companies form

The **Canadian Tax Reporting** tab appears on the form is one of the following conditions is met:

- On the *Enable/Disable Features* (CS100000) form, the *Canadian Payroll* feature is enabled and the *Canadian Localization* feature is disabled; also, the **File Taxes by Branch** check box is cleared on the *Companies* form.
- The *Canadian Localization* feature is enabled and the *Canadian Payroll* feature is disabled on the *Enable/Disable Features* form. In this case, the system doesn't check the state of the **File Taxes by Branch** check box on the *Companies* form.
- The *Canadian Payroll* and *Canadian Localization* features are both enabled on the *Enable/Disable Features* form. In this case, the system doesn't check the state of the **File Taxes by Branch** check box on the *Companies* form.

Changes to the Branches Form

On the *Branches* (CS102000) form, the following changes have been made:

- The **T5018 Settings** section has been removed.
- The **CRA Payroll Account Number** box has been renamed to **Payroll Account Number**, as shown in the following screenshot.

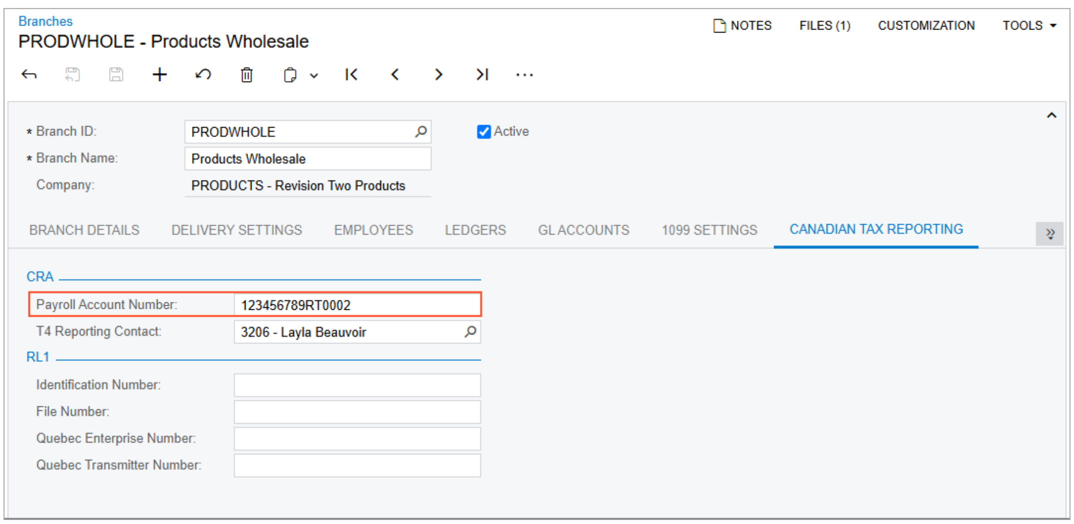


Figure: UI change on the Branches form

Changes to the Accounts Payable Preferences Form

On the **Canadian Tax Reporting** tab of the *Accounts Payable Preferences* (AP101000) form, the following changes have been made:

- The **T4A Settings** section (Item 1 in the screenshot below) has been added.
- The **Threshold Amount** box (Item 2) has been added to this section. If the total of all released payments to a particular vendor is the same as or more than the threshold amount, these payments will be included in the vendor's T4A report.

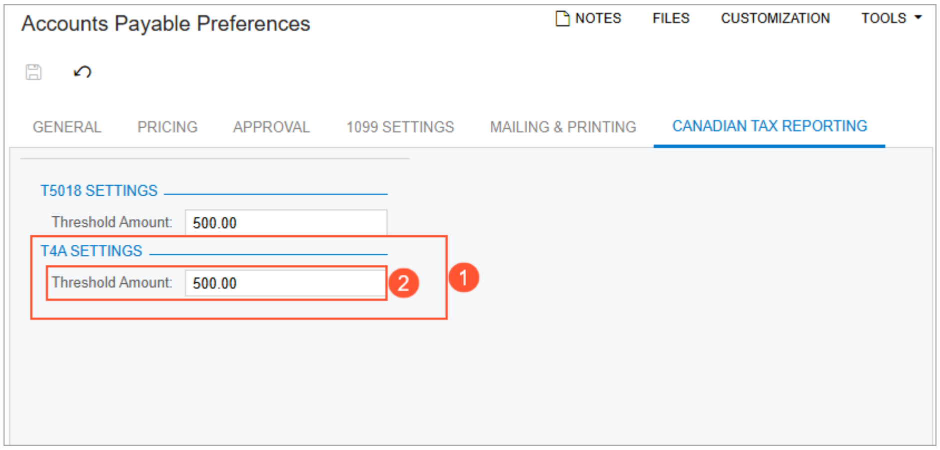


Figure: UI changes on the Accounts Payable Preferences form

Changes to the Create T5018 E-File Form

On the *Create CRA E-File* (AP507600) form, the following changes have been made:

- The *Create T5018 E-File* form has been renamed to *Create CRA E-File*.
- The **Tax Form** box (Item 1 in the screenshot below) has been added to the Selection area of the form. In this box, the user can select *T5018* or *T4A*.
- The **Transmitter** box has been renamed to **Payer** (Item 2) to be more in line with CRA documentation and business processes. If *T4A* is selected in the **Tax Form** box, a branch can be selected in this box if this branch belongs to a company with the *Canada* localization and the **File Taxes by Branch** check box selected.
- The **T5018 Tax Year** box has been renamed to **Year** (Item 3) so that it can be used for both T5018 and T4A reports. For a T4A report, the calendar year is always used.

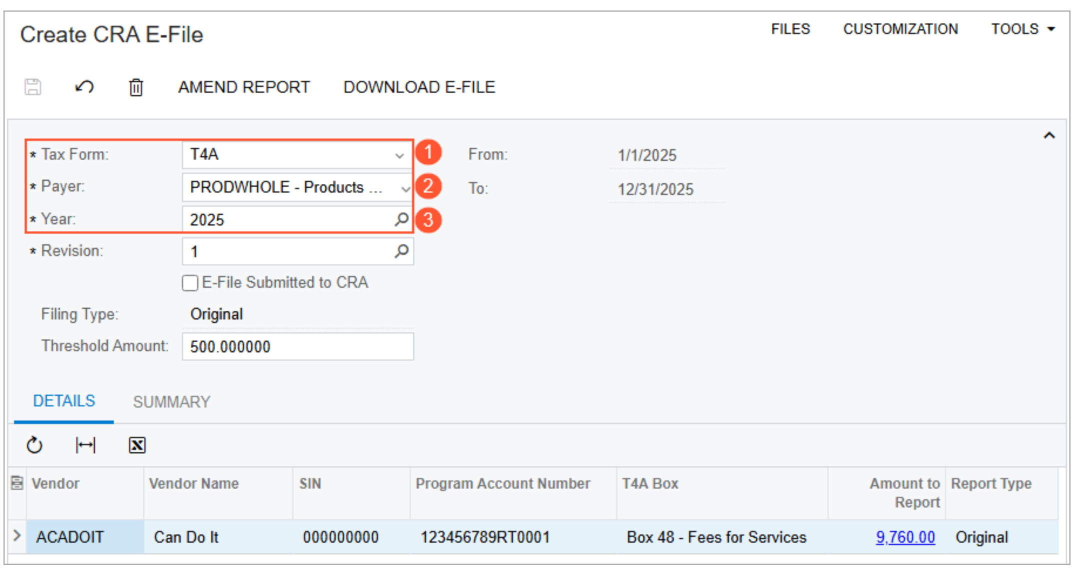


Figure: UI changes on the Create CRA E-File form

Users can generate the original, amended, or canceled T4A e-file in XML format.

The following document types are included in the T4A report:

- *Payment*: A document created on the *Checks and Payments* (AP302000) form. The document amount is added to the T4A amount.

- *Prepayment*: A document created on the *Checks and Payments* form. The document amount is added to the T4A amount.

> Prepayments without applications are included in the T4A report without any adjustments for the possible taxes. After prepayment applications are released, there will be enough data for the system to adjust the amounts. This means that the user will have to generate a new revision of the T4A report to get correct report amounts.

- *Refund*: A document created on the *Checks and Payments* form. The document amount is subtracted from the T4A amount.
- *Cash Purchase*: A document created on the *Cash Purchases* (AP304000) form. The document amount is added to the T4A amount.
- *Cash Return*: A document created on the *Cash Purchases* form. The document amount is subtracted from the T4A amount.

The New T4A Report Details Form

The *T4A Report Details* (AP407700) inquiry form has been added to the system. This form shows a list of documents whose amounts are included in the selected revision of the T4A report, as shown in the following screenshot.

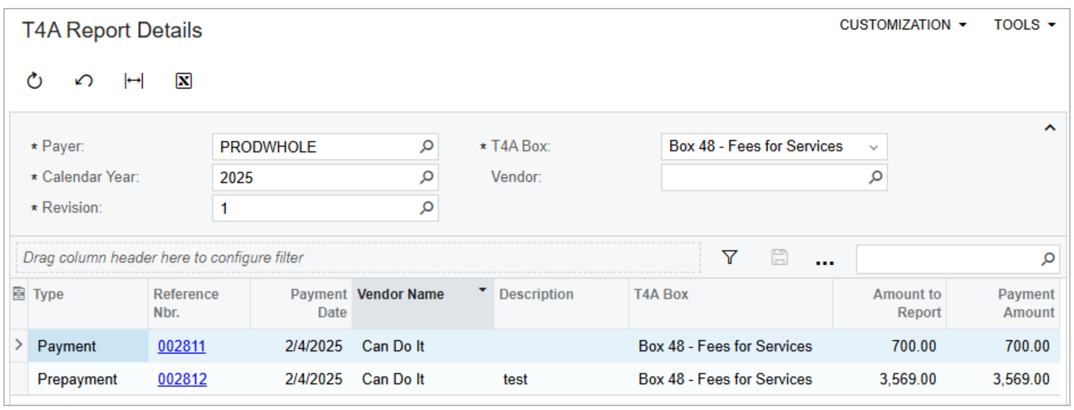


Figure: The T4A Report Details form

Other UI Changes

The following UI changes have also been made:

- On the *Checks and Payments* (AP302000) form for the *Prepayment* document type, the **T5018 Report** section on the **Financial** tab has been renamed to **T5018 Reporting**.
- The new **CRA Reporting** section has been added to the **Payables** workspace. This section includes all the forms and reports related to CRA reporting.

Additional Information

For details on configuration of the T4A reporting, see *Configuring CRA Reporting* and *Filing the T4A Form Electronically*.

For details on how to generate the original T4A file, see *To Generate the Original CRA Reporting Forms*.

For details on how to generate an amendment to a T4A file, see *To Generate an Amendment to CRA Reporting Forms*.

Manufacturing: Due Date Handling in Production Orders

In previous versions of Acumatica ERP, production orders whose start and end dates were updated during the finite scheduling in advanced planning and scheduling (APS) did not retain the due dates of their linked or pegged demands. This could affect the production manager's confidence in the production schedule because tracking of potentially late production orders often involved manual effort, which could lead to errors.

In Acumatica ERP 2025 R1, a new box, **Due Date**, has been added in the **Scheduling Details** section on the **General** tab of the *Production Order Maintenance* (AM201500) form, as shown in the following screenshot. This box holds the date by which the production order is expected to be completed to ensure on-time delivery for the pegged demand.

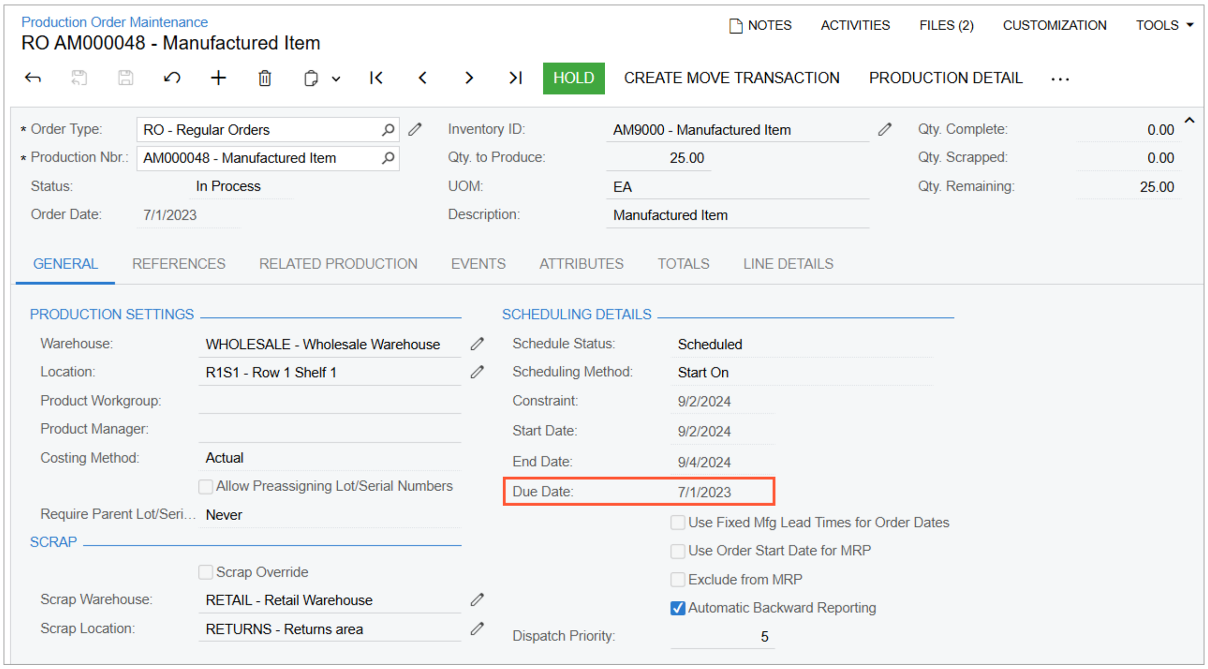


Figure: The new Due Date box

The **Due Date** box is useful in various production scenarios, including the following:

- Rescheduling production orders to prioritize rush sales orders

  When production orders are canceled or rescheduled, the scheduler can now see the original **Ship On** date on the production order to adjust priorities accordingly.
- Fulfilling sales orders with updated ship-on dates

  If the customer's required delivery date changes, production and scheduling teams can see the updated **Ship On** date and adjust production schedules as needed.
- Managing parent production order demand

  The scheduler can now track the parent production order's needed date for components and identify delays in child production orders when adjusting the schedule.
- Handling MRP-generated make-to-stock production orders

  The production manager can preserve the original demand date by ensuring the **Promised Date** from the *Inventory Planning Display* (AM400000) form is reflected on the production order, helping prevent stockouts.
- Manually creating production orders

  The production manager can define and retain the completion date of manually created orders, ensuring visibility for schedulers when making scheduling adjustments.
- Identifying delayed production orders on the Production Schedule Board

The scheduler can quickly spot late production orders that must fulfill linked demand, using the **Ship On** date as a reference. Delayed orders are also visually highlighted in the grid view on the *Production Schedule Board* (AM215555) form.

- Tracking lead time gaps between production completion and supply date

  The system now calculates lead time gaps between production completion and supply dates, providing visibility into the **Ship On** date of the related sales order line.

The **Due Date** box is editable if there's no linked demand and the order is on hold.

If the production order is linked to a sales order line or a parent production order, the due date is determined as follows:

- If a sales order line is specified in the **SO References** section on the **References** tab of the *Production Order Maintenance* form, the **Ship On** date of the linked sales order line is automatically used as the due date of the production order. Any changes to the ship-on date update the due date accordingly. If the sales order is unlinked, the due date remains unchanged, but the **Due Date** box becomes editable.
- If a production order with the *Parent* relationship type is specified on the **Related Production** tab of the *Production Order Maintenance* form, the system uses the earliest allocation date of the inventory item if it is used as a material in an operation in the related production order. If the allocation date changes, the due date updates accordingly. If the related production order is deleted, the due date remains unchanged, but the **Due Date** box becomes editable.

If the production order has no linked demand, the system sets its due date to the date specified in the **Promise Date** column on the *Inventory Planning Display* form when the production order is created through that form.

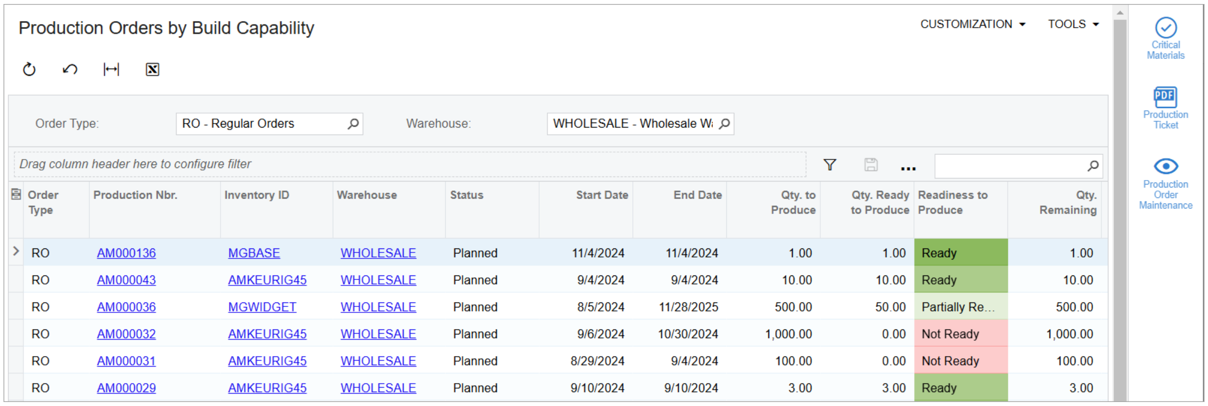
The system will log an event on the **Events** tab of the *Production Order Maintenance* form when the production order's due date has been assigned or updated. This allows users to track who and when assigned or modified the due date, providing information for investigating changes that led to delayed or expedited production orders.

To improve visibility of the required supply dates for planning, scheduling, and tracking, the system also displays the due dates on the following forms:

- *Production Schedule Board* (AM215555)
- *Production Summary* (AM000006)
- *Release Production Orders* (AM500000)
- *Rough Cut Planning* (AM501000)
- *Work Center Schedule* (AM000001)

Manufacturing: Enhanced Material Availability and Production Readiness Tracking

In Acumatica ERP 2025 R1, a new inquiry form, *Production Orders by Build Capability* (AM409000), has been introduced. This inquiry form (shown in the following screenshot) provides advanced tools for improving production planning efficiency by providing real-time insights into material availability. This enhancement supports production managers and planners in making more informed decisions and streamlining their workflows.



Order Type	Production Nbr.	Inventory ID	Warehouse	Status	Start Date	End Date	Qty. to Produce	Qty. Ready to Produce	Readiness to Produce	Qty. Remaining
RO	AM000136	MGBASE	WHOLESALE	Planned	11/4/2024	11/4/2024	1.00	1.00	Ready	1.00
RO	AM000043	AMKEURIG45	WHOLESALE	Planned	9/4/2024	9/4/2024	10.00	10.00	Ready	10.00
RO	AM000036	MGWIDGET	WHOLESALE	Planned	8/5/2024	11/28/2025	500.00	50.00	Partially Re...	500.00
RO	AM000032	AMKEURIG45	WHOLESALE	Planned	9/6/2024	10/30/2024	1,000.00	0.00	Not Ready	1,000.00
RO	AM000031	AMKEURIG45	WHOLESALE	Planned	8/29/2024	9/4/2024	100.00	0.00	Not Ready	100.00
RO	AM000029	AMKEURIG45	WHOLESALE	Planned	9/10/2024	9/10/2024	3.00	3.00	Ready	3.00

Figure: The new inquiry form

Each production order displayed on this form is assigned a readiness status, enabling users to quickly assess whether orders can be initiated based on material availability. Color coding is applied to highlight the readiness of production orders, particularly those with insufficient materials for production. The following readiness statuses are available:

- *Ready to Produce* (dark green): All materials are available to produce the remaining quantity.
- *Partially Ready to Produce* (light green): Materials are sufficient to produce a portion of the remaining quantity.
- *Ready to Start* (yellow): Materials are available to complete the first operation.
- *Not Ready* (red): Materials are insufficient to complete the first operation.

> Calculations are based on the **Qty. Hard Available** for all materials.

The inquiry form has a side panel with the following tabs for streamlined planning:

- **Production Order Maintenance**: Provides quick access to additional production information for detailed review.
- **Critical Materials**: Enables planners to create supply records for addressing material shortages.
- **Production Tickets**: Allows production managers to print necessary documents for production orders being released into production.

In the out-of-the-box system, a user can find the link to this inquiry form in the **Production Orders** workspace under the **Inquiries** category.

These changes simplify the process of evaluating material readiness, improve transparency in production planning, and enhance the ability to address material shortages proactively. Production managers and planners can now rely on more precise insights and efficient tools to ensure production schedules are met and supply chain disruptions are minimized.

Manufacturing: Enhanced Production Scheduling Views

In Acumatica ERP 2025 R1, production scheduling views have been significantly enhanced. The improvements address the diverse needs of different manufacturing environments, providing manufacturing schedulers and planners with advanced tools to visualize and manage production schedules more effectively.

Work Center Planned Utilization Dashboard

A new dashboard, *Work Center Planned Utilization (AM0044DB)*, has been introduced. This dashboard offers a graphical view of the planned load for a work center, displayed as a bar graph representing utilization over time. Users can select specific work centers to analyze and define time ranges for the data displayed on the graph. The planned load is shown as a percentage of capacity. The graph uses the following color coding to represent planned load:

- *Green*: Planned load is between 0% and 100%.
- *Yellow*: Planned load is greater than or equal to 100% and less than 101%.
- *Orange*: Planned load is greater than or equal to 101% and less than 120%.
- *Red*: Planned load is greater than or equal to 120%.

The **Work Center Schedule** table below the graph displays information about the production schedule and load details for the date selected in the **Schedule Date** box.

The dashboard is shown in the following screenshot.

Figure: Work Center Planned Utilization dashboard

In the out-of-the-box system, a user can find the link to this dashboard in the **Dashboards** workspace under the **Dashboard: Manufacturing** category.

The dashboard is available only if the *Advanced Planning and Scheduling* feature is enabled on the *Enable/Disable Features* (CS100000) form.

Manufacturing: Enhancements in Finite Production Scheduling

The changes described below are applicable to companies that have enabled the *Advanced Planning and Scheduling* feature on the *Enable/Disable Features* (CS100000) form and are using this functionality.

In Acumatica ERP Manufacturing Edition, the constraint date acts as a limiting factor in planning, influencing when production activities should start or finish. The production scheduling algorithm attempts to schedule a production order as close to its constraint date as possible, factoring in available capacity and material availability (if it is configured).

When a production order cannot be scheduled to meet the constraint date, a production planning manager reviews the scheduling outcomes to determine which production orders can be rescheduled, which orders can be delayed, and when overtime is required to increase capacity.

In previous versions of Acumatica ERP, users could encounter unexpected results when the system could not backward-schedule a production order based on its constraint date (that is, when the *Finish On* scheduling method was used and the start date calculated based on the constraint date was in the past). In this case, the system switched from backward scheduling to forward scheduling (that is, the scheduling method was changed to *Start On*) and changed the constraint date to the current date (or to a future date, if other production orders were competing for the same work center resources). The information about the original constraint date and scheduling direction was lost, which made it challenging for the production planning manager to compare the calculated production start and end dates with the desired constraint date.

In Acumatica ERP 2025 R1, if a user is attempting to schedule a production order on the *Rough Cut Planning* (AM501000), *Production Order Maintenance* (AM201500), or *Production Schedule Board* (AM215555) form and the production order cannot be scheduled backward to meet the constraint date, the system does the following:

- Attempts to schedule the production order forward by assigning the start date to the current date or a future date based on the load of the work centers involved. The constraint date and the *Finish On* scheduling method are preserved, which helps the production planning manager to compare the calculated earliest end date with the original constraint date.
- Displays a message indicating that the production order has been scheduled forward instead of backward. A similar message is also displayed on the **Events** tab of the *Production Order Maintenance* form.

Additionally, the system now displays a warning message if a production order cannot be scheduled because its constraint date is outside the scheduling window of 120 days. Previously, the scheduling algorithm ignored such production orders, but no notification was shown to the user.

Manufacturing: Other Improvements

Improvements to the Processing of Inventory Transactions

Starting in Acumatica ERP 2025 R1, all manufacturing journal transactions, which were previously recorded in the general ledger, will now be handled within the Inventory functional area. This change simplifies the manufacturing transaction release process and reduces the likelihood of data issues.

Inventory transactions generated in manufacturing will now respect the state of the **Update GL** check box on the *Inventory Preferences* (IN101000) form. If the check box is selected, the transactions are posted to the general ledger. If the check box is cleared, the general ledger is not updated by these transactions.

Payroll: Accruing Time Off by Earning Type for PTO Banks

In Acumatica ERP 2024 R2 and previous versions, users could define a particular earning type to accrue time off for paid time off (PTO) banks. If a PTO bank had the *Percentage* or *Front-Loading and Percentage* accrual method, it accrued time off based on all the earning types that had the **Accrue Time Off** check box selected in the Summary area of the *Earning Type Codes* (PR102000) form.

Starting in Acumatica ERP 2025 R1, the applicable earning types for accruing time off are defined on the PTO bank level instead of earning type level so that users can more flexibly configure PTO banks.

Configuration of the Applicable Earning Types for PTO Banks

To define the earning types to be used for accruing time off for a PTO bank, a payroll administrative user should perform the following steps on the *PTO Banks* (PR204000) form:

1. Selecting the *Percentage* or *Front-Loading and Percentage* accrual method in the **Accrual Method** box on the **General** tab.

   The **Applicable Earning Types** tab appears on the form. In the **Accrue Time Off Based On** box in the upper area of this tab, the *Selected Earning Types* option is selected by default.

2. Specifying the earning types to accrue time off on the **Applicable Earning Types** tab in one of the following ways:

   - Leaving *Selected Earning Types* selected in the **Accrue Time Off Based On** box in the upper area of the tab, and adding to the table the earning types to accrue time off, as the screenshot below shows. The system will use only the earning types added to the table to accrue time off for the PTO bank.
   - Selecting *All Earning Types Except Selected* in the **Accrue Time Off Based On** box, and adding to the table the earning types that will not accrue time off. The system will use all the earning types configured in the system on the *Earning Type Codes* (PR102000) form except the ones listed in the table to accrue time off for the PTO bank.

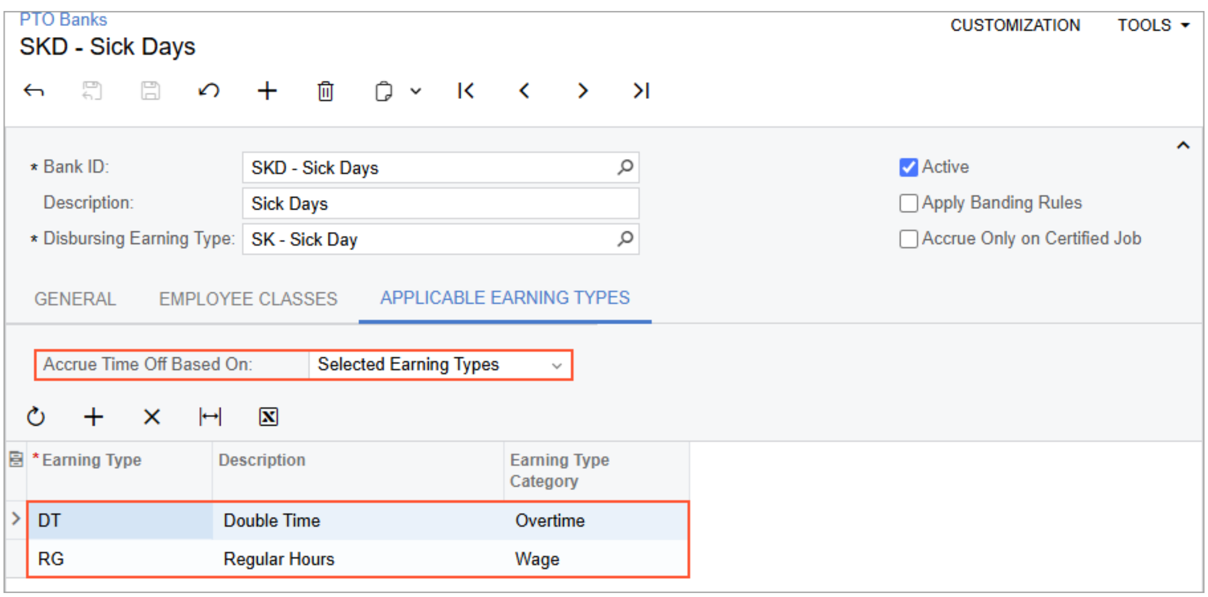


Figure: Earning types that accrue time off for a PTO bank

Upgrade Process

During the upgrade of Acumatica ERP to 2025 R1, the system updates the PTO banks that have the *Percentage* or *Front-Loading and Percentage* accrual method specified in the **Accrual Method** box on the **General** tab of the *PTO Banks* (PR204000) form. The system does the following for these PTO banks on the **Applicable Earning Types** tab:

- Inserts the *Selected Earning Types* option in the **Accrue Time Off Based On** box in the upper area of the tab.
- Adds to the table all the earning types with the **Accrue Time Off** check box selected in the Summary area of the *Earning Type Codes* (PR102000) form.

Other Changes

In the Summary area of the *Earning Type Codes* (PR102000) form, the **Accrue Time Off** check box has been removed.

Payroll: Calculating a Deduction Based on a Percentage of Eligible Earnings

In Acumatica ERP 2025 R1, users can now specify which earnings and benefits should be included in the calculation of deductions or benefits, such as like the 401(k) plan, based on the percentage of some eligible earnings but not all the gross wages.

On the *Deduction and Benefit Codes* (PR101060) form, it is now possible to select the *Percent of Custom* calculation method on the **Employer Deduction** and **Employer Contribution** tabs when the **Affect Tax Calculation** check box is selected in the Summary area (see the screenshot below). With this calculation method selected, the deduction or contribution is calculated as a percentage of the applicable wage specified on the **Applicable Wage** tab.

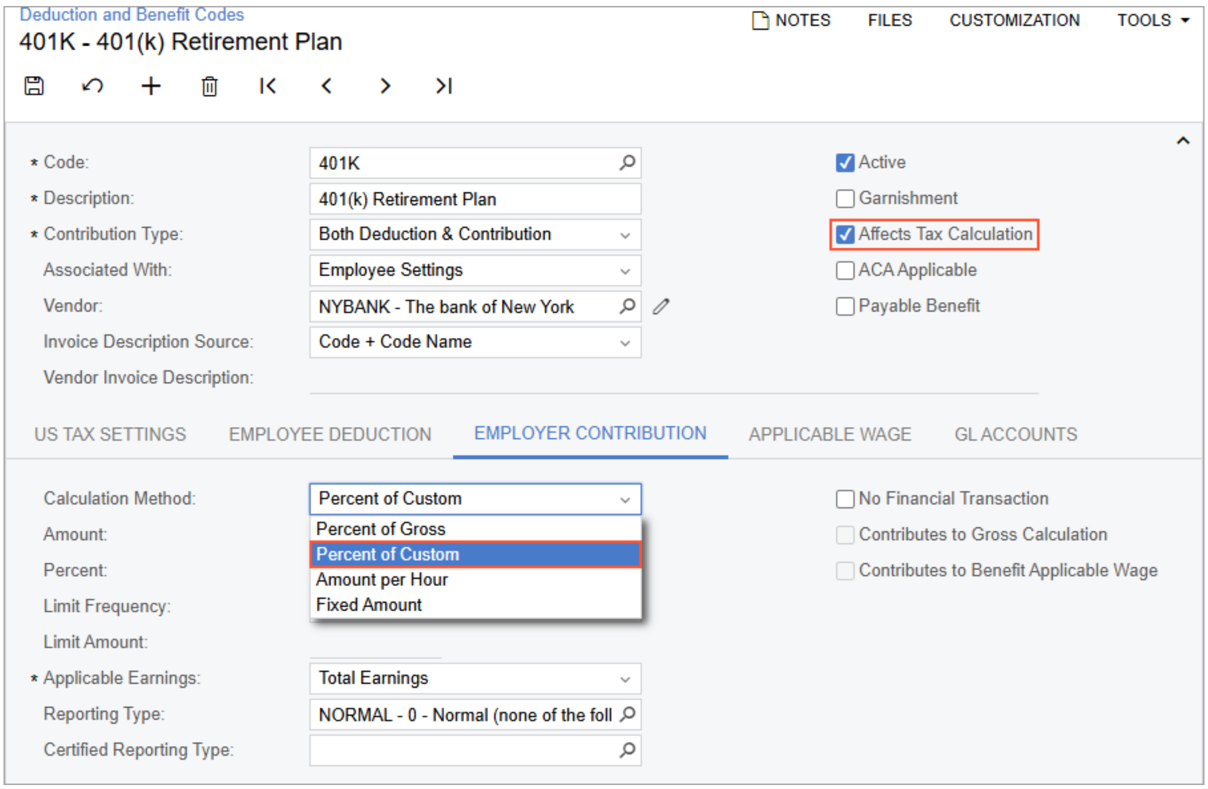


Figure: The new calculation method available for deductions

When the **Affect Tax Calculation** and **Payable Benefit** check boxes are selected in the Summary area, the *Percent of Custom* calculation method can also be selected for the benefit on the **Employer Contribution** tab.

Payroll: Detailed Pay Stub Reports

The following reports, which can be used for printing pay stubs, have been added to the system:

- *Detailed Pay Stub (PR642010)*
- *Detailed Pay Stubs (PR642015)*

The usage of these reports is configured at the payment method level.

Configuration of Payment Methods

The configuration of the payroll functionality for the *Cash/Check* and *Direct Deposit* payment methods has been improved. An administrative user can now specify whether users can print payroll documents by using simplified or detailed paycheck and pay stub reports.

On the **Settings for Use in PR** tab of the *Payment Methods* (CA204000) form, while configuring a *Cash/Check* payment method (Item 1 in the screenshot below) with the **Print Checks** option button selected (Item 2), the administrative user can select the **Use Detailed Pay Stub Report** check box (Item 3). This makes the system use the detailed pay stub reports for printing payroll documents processed with that payment method. Also, if the check box is selected, the system automatically selects the *Detailed Paychecks (PR642000)* report in the **Report** box (Item 4).

If any other report except *Detailed Paychecks* is selected in the **Report** box, the system clears the **Use Detailed Pay Stub Report** check box. When the user clears the **Use Detailed Pay Stub Report** check box, the system automatically selects the simplified *Paychecks (PR641010)* report in the **Report** box. Thus, the detailed pay stub report is always used along with the detailed paycheck report for a *Cash/Check* payment method.

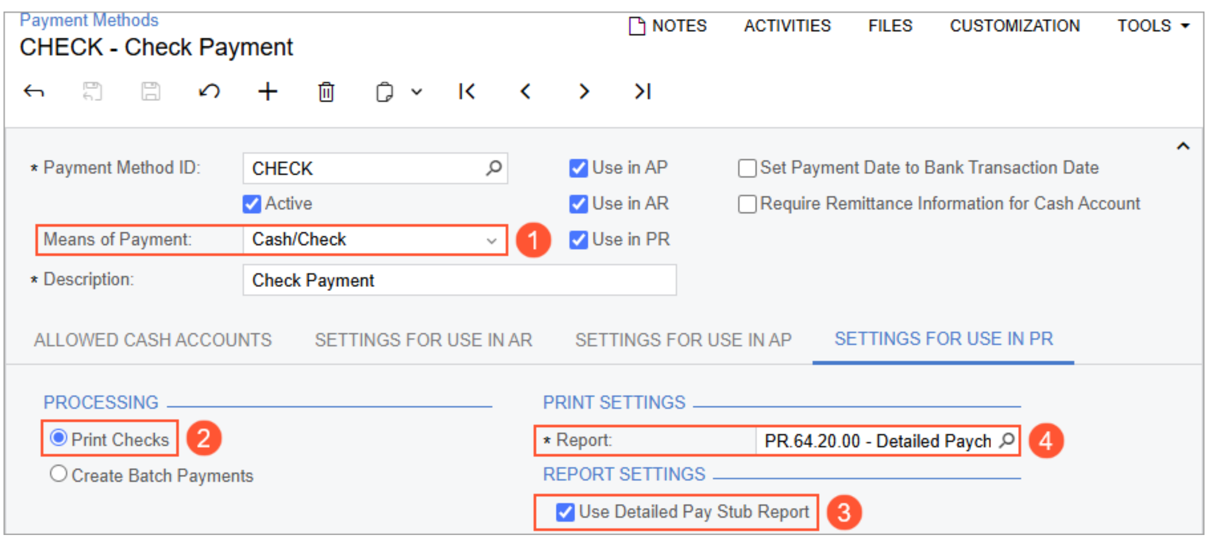


Figure: Payroll settings for a Cash/Check payment method

On the same tab, while configuring a *Direct Deposit* payment method (Item 1 in the screenshot below) with the **Create Batch Payments** option button selected (Item 2), the administrative user can select the **Use Detailed Pay Stub Report** check box (Item 3). This makes the system use the detailed pay stub reports for printing payroll documents processed with this payment method.

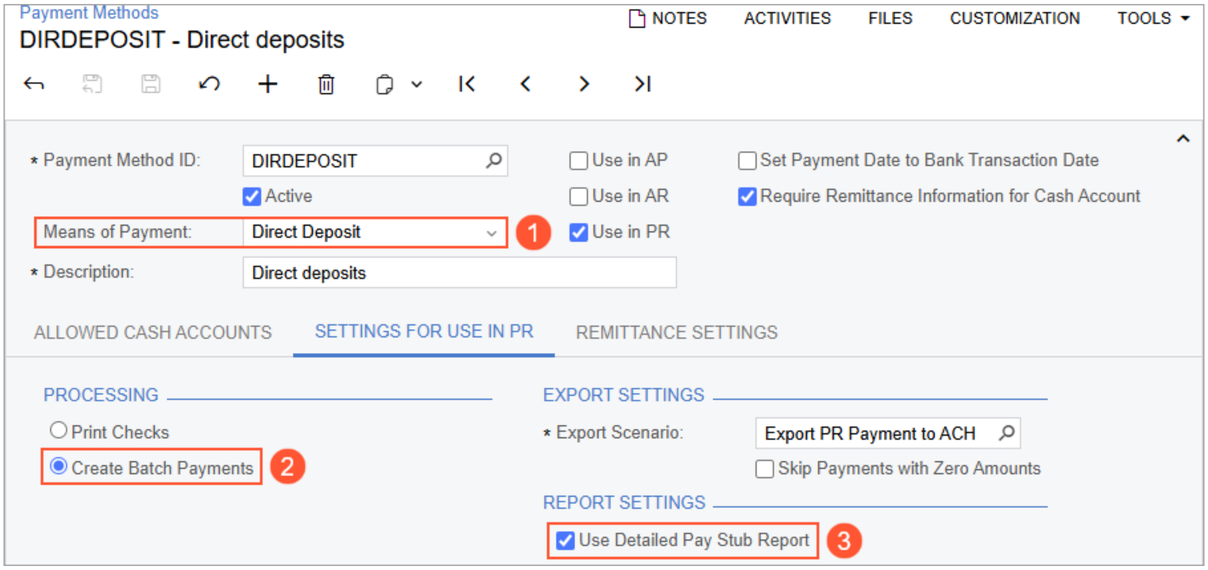


Figure: Payroll settings for a Direct Deposit payment method

Printing of Payroll Documents

On the *Paychecks and Adjustments* (PR302000) form, when a user clicks **Print Pay Stub** on the More menu, the system opens one of the following:

- The *Detailed Pay Stub (PR642010)* report (see the following screenshots) if the **Use Detailed Pay Stub Report** check box is selected for the payment method of the document
- The simplified *Pay Stub (PR641000)* report if the **Use Detailed Pay Stub Report** check box is cleared

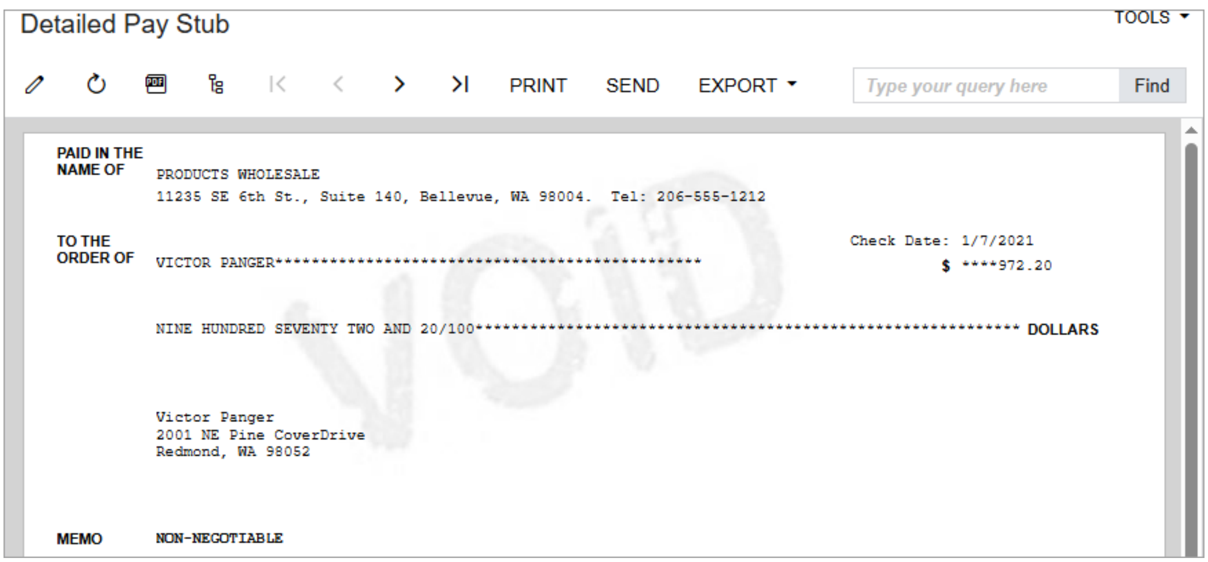
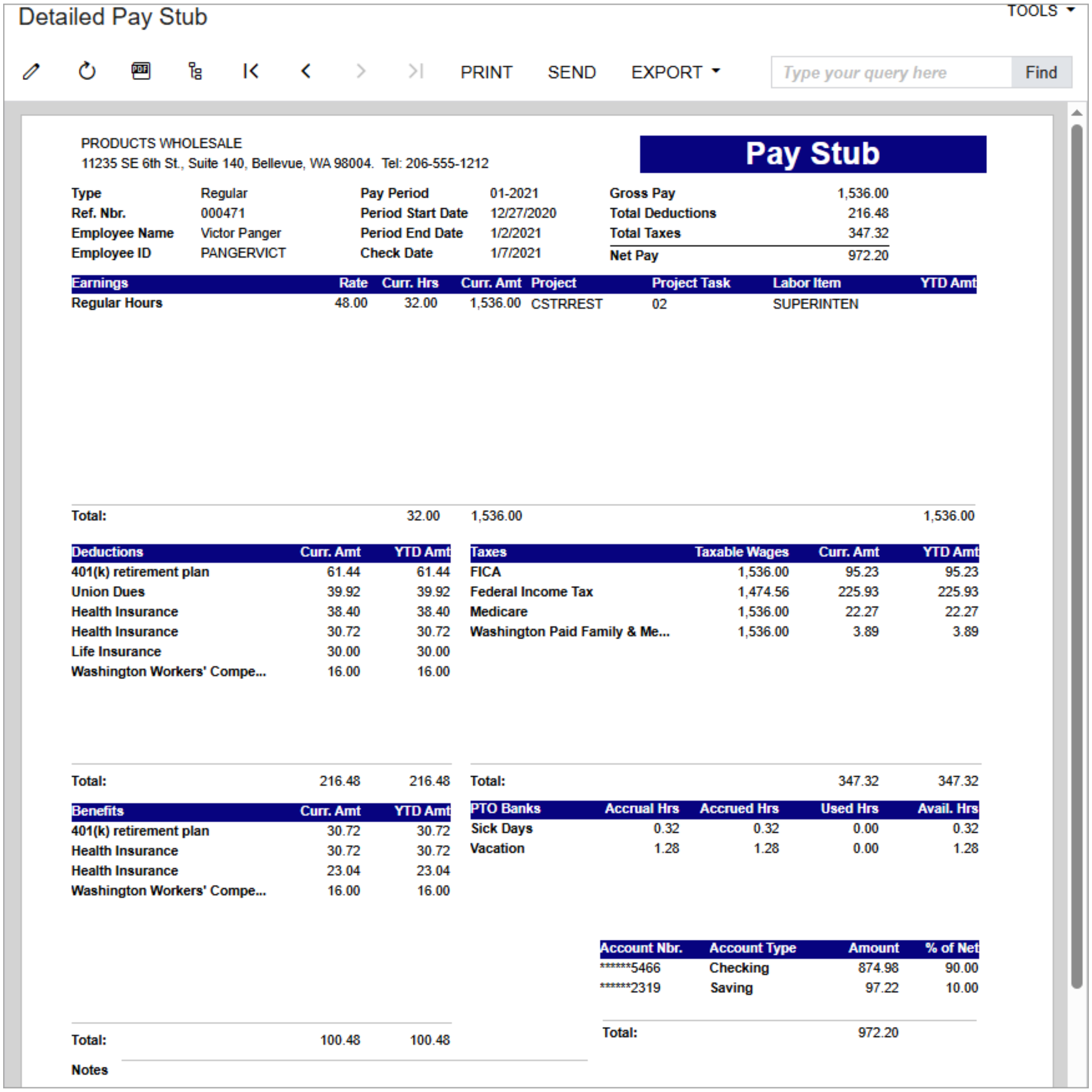


Figure: Page 1 of the Detailed Pay Stub report



Detailed Pay Stub

TOOLS ▾

PRINT SEND EXPORT ▾ Type your query here Find

PRODUCTS WHOLESALE
11235 SE 6th St., Suite 140, Bellevue, WA 98004. Tel: 206-555-1212

Pay Stub

Type	Regular	Pay Period	01-2021	Gross Pay	1,536.00
Ref. Nbr.	000471	Period Start Date	12/27/2020	Total Deductions	216.48
Employee Name	Victor Panger	Period End Date	1/2/2021	Total Taxes	347.32
Employee ID	PANGERVICT	Check Date	1/7/2021	Net Pay	972.20

Earnings	Rate	Curr. Hrs	Curr. Amt	Project	Project Task	Labor Item	YTD Amt
Regular Hours	48.00	32.00	1,536.00	CSTRREST	02	SUPERINTEN	
Total:		32.00	1,536.00				1,536.00

Deductions	Curr. Amt	YTD Amt
401(k) retirement plan	61.44	61.44
Union Dues	39.92	39.92
Health Insurance	38.40	38.40
Health Insurance	30.72	30.72
Life Insurance	30.00	30.00
Washington Workers' Compe...	16.00	16.00
Total:	216.48	216.48

Taxes	Taxable Wages	Curr. Amt	YTD Amt
FICA	1,536.00	95.23	95.23
Federal Income Tax	1,474.56	225.93	225.93
Medicare	1,536.00	22.27	22.27
Washington Paid Family & Me...	1,536.00	3.89	3.89
Total:		347.32	347.32

Benefits	Curr. Amt	YTD Amt
401(k) retirement plan	30.72	30.72
Health Insurance	30.72	30.72
Health Insurance	23.04	23.04
Washington Workers' Compe...	16.00	16.00
Total:	100.48	100.48

PTO Banks	Accrual Hrs	Accrued Hrs	Used Hrs	Avail. Hrs
Sick Days	0.32	0.32	0.00	0.32
Vacation	1.28	1.28	0.00	1.28

Account Nbr.	Account Type	Amount	% of Net
******5466	Checking	874.98	90.00
******2319	Saving	97.22	10.00
Total:		972.20	

Notes

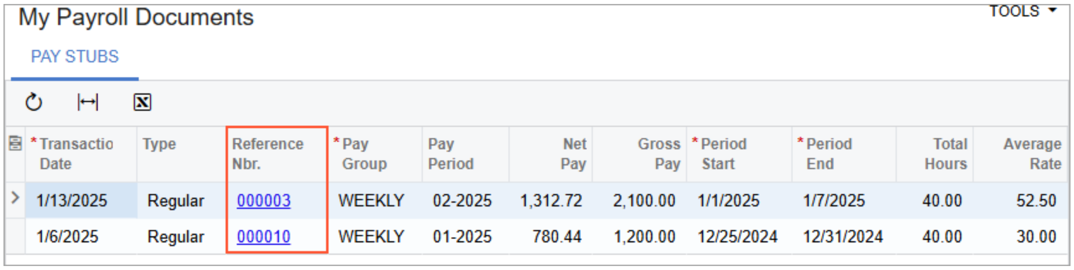
Figure: Page 2 of the Detailed Pay Stub report

Similarly, on the *Payment Batches* (PR305000) form, when a user clicks **Display Pay Stubs** on the More menu, the system opens one of the following:

- The *Detailed Pay Stubs (PR642015)* report if the **Use Detailed Pay Stub Report** check box is selected for the payment method of the document
- The simplified *Pay Stubs (PR641015)* report if the **Use Detailed Pay Stub Report** check box is cleared

On the *My Payroll Documents* (PR405000) form, when a user clicks a link in the **Reference Nbr.** column (see the following screenshot), the system opens one of the following:

- The *Detailed Pay Stub* report if the **Use Detailed Pay Stub Report** check box is selected for the payment method of the document
- The simplified *Pay Stub* report if the **Use Detailed Pay Stub Report** check box is cleared


My Payroll Documents

TOOLS

PAY STUBS

*Transactio Date	Type	Reference Nbr.	*Pay Group	Pay Period	Net Pay	Gross Pay	*Period Start	*Period End	Total Hours	Average Rate
1/13/2025	Regular	000003	WEEKLY	02-2025	1,312.72	2,100.00	1/1/2025	1/7/2025	40.00	52.50
1/6/2025	Regular	000010	WEEKLY	01-2025	780.44	1,200.00	12/25/2024	12/31/2024	40.00	30.00

Figure: Link to open the pay stub reports from the My Payroll Documents form

The same reports are also available on the *Pay Stubs* screen in the Acumatica mobile app.

Other Enhancements

The *Detailed Pay Stubs (PR642000)* report that already existed in Acumatica ERP 2024 R2 and previous versions has been renamed to *Detailed Paychecks*.

Payroll: Exporting Batch Payments to ZIP

In Acumatica ERP, users can export payroll batch payments to an EFT file by using a Canadian EFT plug-in on the *Batch Payments* (AP305000) form. An electronic funds transfer (EFT) is a file format accepted by major Canadian banks. In Acumatica ERP 2025 R1, users can also compress these exported files to ZIP.

This functionality becomes available if the *Canadian Payroll* and *Canadian Localization* features are enabled on the *Enable/Disable Features* (CS100000) form.

Configuring the Export of Payroll Batch Payments

The way the export of payroll batch payments proceeds on the *Batch Payments* (AP305000) form depends on the settings of the payment method and cash account used for the batch payments.

To configure the export of payroll batch payments to ZIP files, a payroll administrative user first configures a *Direct Deposit* payment method on the *Payment Methods* (CA204000) form. In the Summary area, they specify the following settings:

- **Use in PR**: Selected
- **Require Remittance Information for Cash Account** : Selected
- **Direct Deposit File Format**: *CPA005*

Then on the **Settings for Use in PR** tab, the payroll administrative user specifies the following settings:

- **Create Batch Payments**: Selected
- **Export Scenario**: *Export PR Payments to EFT*

On the **Remittance Settings** tab, the payroll administrative user specifies the remittance settings listed in the following table. These remittance settings will be required for the cash accounts linked to the payment method on the **Allowed Cash Accounts** tab.

ID	Description	Entry Mask	Validation Reg. Exp.
1	*Name*	*AAAAAAAAAAAAAAAAAAAAAAAAAAAAAA*	*^([\w]|\s){1,30}$*
2	*Short Name*	*AAAAAAAAAAAAAAA*	*^([\w]|\s){1,15}$*
3	*Bank*	*0000*	*^\d{3,3}$*
4	*Branch*	*00000*	*^\d{5,5}$*
5	*Account*	*AAAAAAAAAAAA*	*^([\w]|\s){1,12}$*
6	*Originator ID*	*AAAAAAAAAA*	*^([\w]|\s){1,10}$*
7	*Data Center*		*^\d{5,5}$*
8	*Compress to ZIP format*	*1*	*^(1|0)$*

The *Compress to ZIP format* setting determines whether the system should compress the exported file. The administrative user sets the entry mask of this setting to *1* to make the system perform the compression (see the following screenshot).

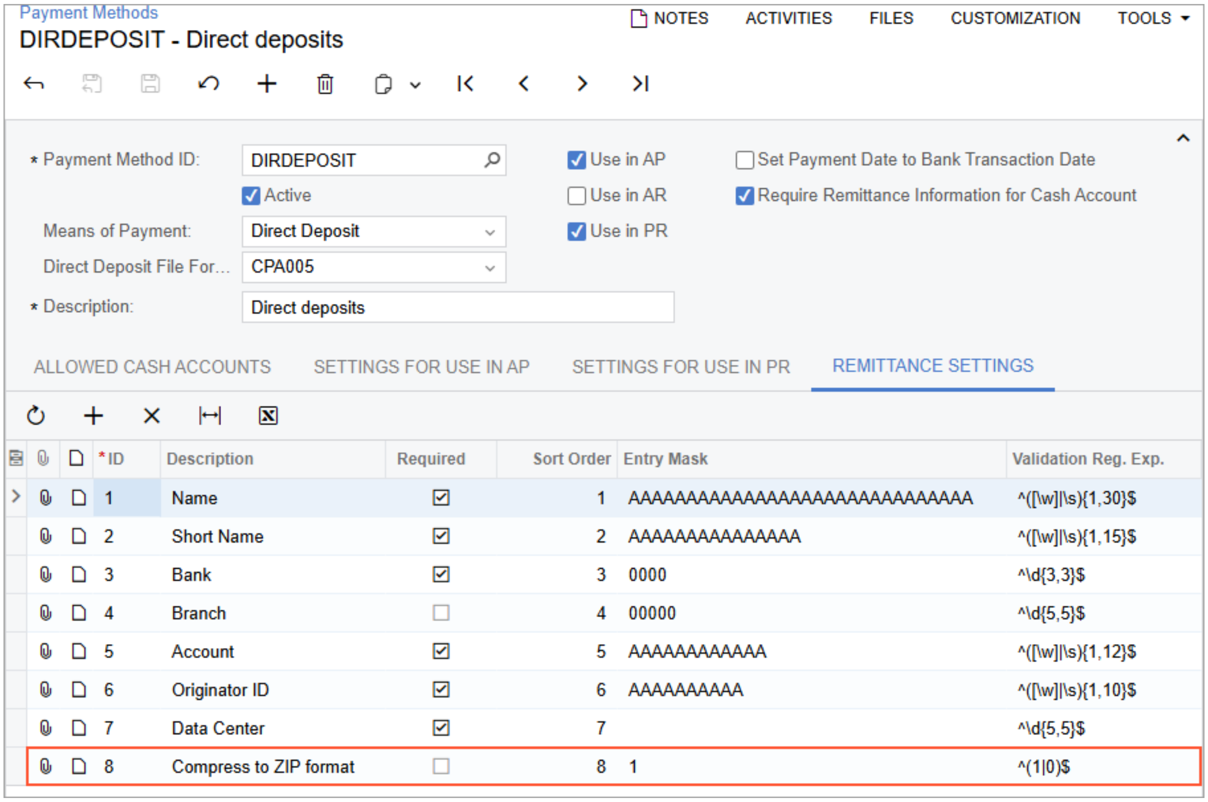


Figure: Remittance settings of a payment method

For the cash accounts linked to the payment method, on the **Remittance Settings** tab of the *Cash Accounts* (CA202000) form, the administrative user specifies the remittance information required by the payment method in the **Remittance Details** table.

If the payment method and one of its linked cash accounts are specified for a payroll batch payment on the *Batch Payments* form, when a user clicks **Export** on the form toolbar, the system exports the batch payment to an ETF file and compresses the file to ZIP.

Payroll: Summary Report

The *Payroll Summary (PR641012)* report has been added to the **Reports** category of the **Payroll** workspace. The report provides an easy way to review the results of one or multiple pay runs before or after release. The results include payroll funding, check counts, advice counts, wages, employer taxes, employee taxes, hours, earnings, deductions, and benefits. The following screenshot shows the first three pages of this report.

Payroll Summary

		Select By:	By Transaction Date	**Payment Methode:**	
		Date From:	1/4/2024	**Cash Account:**	
		Date To:	4/5/2024	**Pay Group:**	
Company/Branch:	PROD	**Include Data from Unreleased Paychecks:**	Yes	**Employee:**	
User:	Joseph Becher				
Date:	1/23/2025 1:05 PM				

Earnings

Earnings Category	Earning Type	Regular Hours	Overtime Hours	Amount	Certified Job
Wage					
	RG - Regular Hours	695.00		75,580.00	
Overtime					
	DT - Double Time		2.00	140.00	
Amount Based					
	BN - Bonus			120.00	
Time-Off					
	HL - Public Holidays	8.00		280.00	
Total:		**703.00**	**2.00**	**76,120.00**	

Benefits

Conribution Source	Deduction	Amount	Payable Amount	No GL Transactions
Employee Settings				
	401K - 401(k) retirement plan	1,500.00		
	CAR - Car Allowance		500.00	X
	CELLPHONE - Cell Phone		50.00	
	CHILDCARE - Childcare Benefits	50.00		
	HEALTHINS - Health Insurance	1,137.30		
	HSA - Health Saving Account	100.00		
Union				
	HEALTHINSUNION - Health Insurance	16.40		
Total:		**2,803.70**	**550.00**	

Deductions

Deduction Source	Deduction	Amount	Ganishment
Employee Settings			
	401K - 401(k) retirement plan	3,000.00	
	HEALTHINS - Health Insurance	1,895.50	
	LIFEINS - Life Insurance	85.42	
Union			
	DUES - Union Dues	21.32	
	HEALTHINSUNION - Health Insurance	16.40	
Total:		**5,018.64**	

Figure: Pages 1, 2, and 3 of the Payroll Summary report

The last section of the report, **Grand Total**, provides the following summary information on the remaining pages of the report, as the screenshot below shows:

- Total gross payroll
- Total earnings

- Total payable benefits
- Total employer tax
- Total deductions
- Total employee withholding
- Total net pay
- Total cost of payroll

Taxes

Tax Jurisdiction	Tax	State	Taxable Hours	Taxable Wages	Taxable Gross	Employee's Withholding Amount	Employer's Tax Amount
Federal							
	FICA - FICA		690.00	75,870.00	75,870.00	4,703.94	
	FIT - Federal Income Tax		690.00	72,870.00	72,870.00	15,133.59	
	MEDI - Medicare		690.00	75,870.00	75,870.00	1,100.11	
	ER FICA - Employer FICA Tax		690.00	75,870.00	75,870.00		4,703.94
	ER FUTA - Federal Unemployment Tax		354.00	14,820.00	38,345.00		331.84
	ER MEDI - Employer Medicare Tax		690.00	75,870.00	75,870.00		1,100.11
State							
	WA FLI - Washington Paid Family & Medical Leave	WA	690.00	75,870.00	75,870.00	401.03	
	WA ER SDI - Washington Industrial Insurance - Employer	WA	0.00	0.00	0.00		8.76
	WA ER SUTA - Washington State Unemployment Tax	WA	690.00	75,870.00	75,870.00		1,661.35
	WA ER SUTA SC - Washington Rate Class 1 Thru 40 Employment Admin Fund	WA	690.00	75,870.00	75,870.00		451.68
Total:						**21,338.67**	**8,257.68**

Payments

Means of Payment	Payment Method	Cash Account	Number of Payments	Amount of Payments
Cash/Check	CHECK - Check	10200 - Company Checking Account	3	889.21
Direct Deposit	ACH - ACH	10200 - Company Checking Account	4	49,423.48

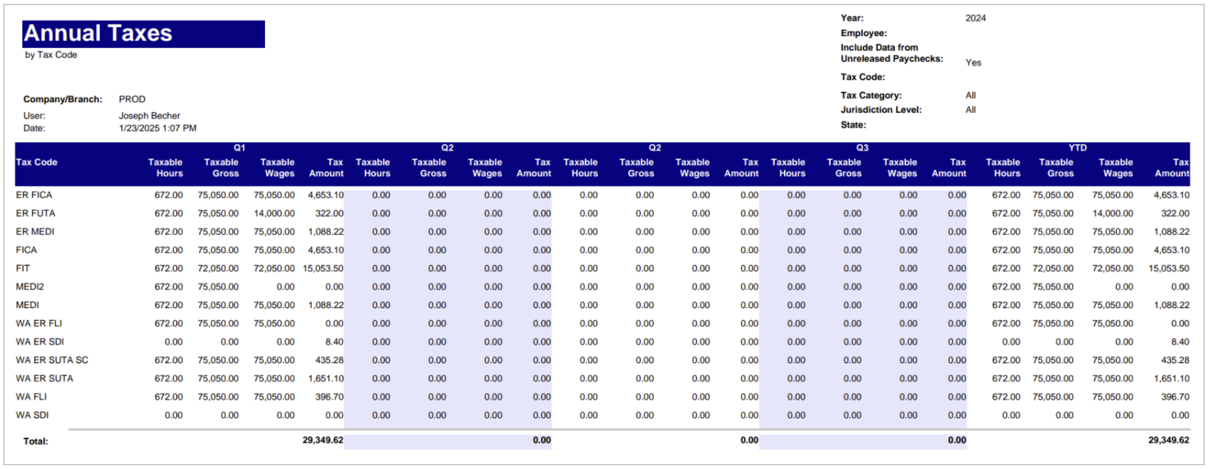
GRAND TOTAL

Gross Pay:	**75,550.00**	**Deductions:**	**4,935.00**
Earnings:	**75,000.00**	**Employee Taxes:**	**21,191.52**
Payable Benefits:	**550.00**	**Net Pay:**	**49,423.48**
Other Benefits:	**2,775.00**		
Employer Taxes:	**8,158.10**	**Cost of Payroll:**	**86,483.10**

Figure: Pages 4 and 5 of the Payroll Summary report

Payroll: Taxes by Code Report

The *Taxes by Code (PR641068)* report has been added to the **Annual Reports** category of the **Payroll** workspace. The report shows annual statistics of paid taxes grouped by tax codes. The following screenshot shows the report generated with the default *Tax Code* option selected as the **Level of Detail** report parameter.



Annual Taxes
by Tax Code

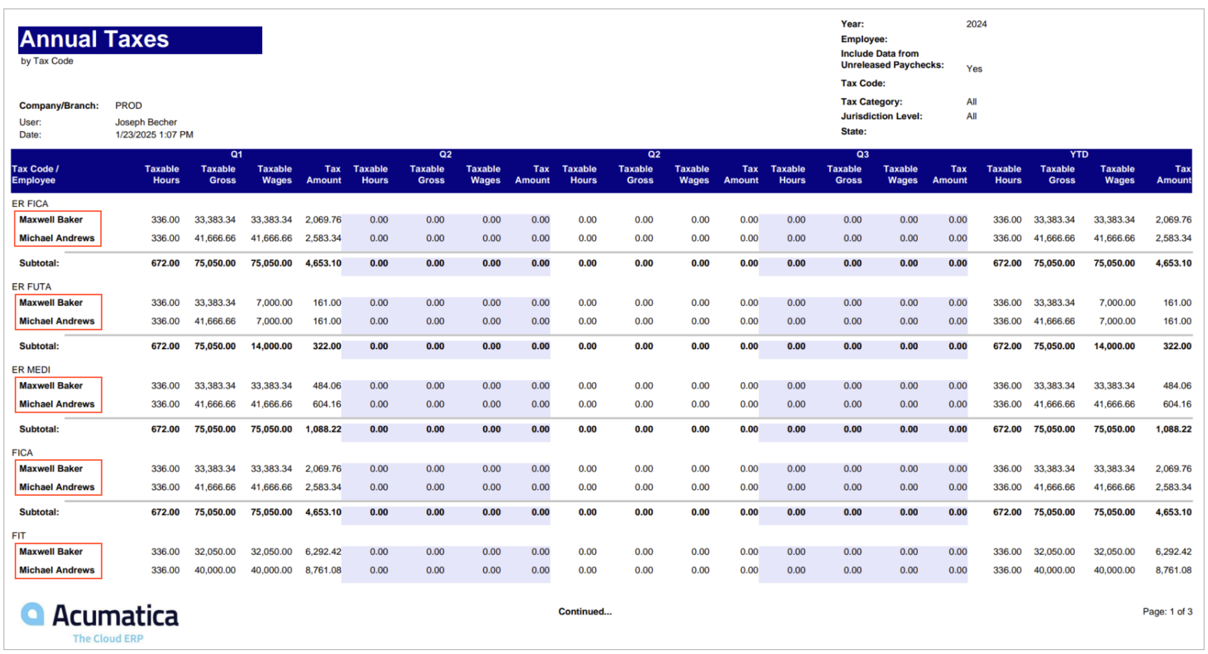
Year: 2024
Employee:
Include Data from Unreleased Paychecks: Yes
Tax Code:
Tax Category: All
Jurisdiction Level: All
State:

Company/Branch: PROD
User: Joseph Becher
Date: 1/23/2025 1:07 PM

	Q1				Q2				Q2				Q3				YTD			
Tax Code	Taxable Hours	Taxable Gross	Taxable Wages	Tax Amount	Taxable Hours	Taxable Gross	Taxable Wages	Tax Amount	Taxable Hours	Taxable Gross	Taxable Wages	Tax Amount	Taxable Hours	Taxable Gross	Taxable Wages	Tax Amount	Taxable Hours	Taxable Gross	Taxable Wages	Tax Amount
ER FICA	672.00	75,050.00	75,050.00	4,653.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	672.00	75,050.00	75,050.00	4,653.10
ER FUTA	672.00	75,050.00	14,000.00	322.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	672.00	75,050.00	14,000.00	322.00
ER MEDI	672.00	75,050.00	75,050.00	1,088.22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	672.00	75,050.00	75,050.00	1,088.22
FICA	672.00	75,050.00	75,050.00	4,653.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	672.00	75,050.00	75,050.00	4,653.10
FIT	672.00	72,050.00	72,050.00	15,053.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	672.00	72,050.00	72,050.00	15,053.50
MEDI2	672.00	75,050.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	672.00	75,050.00	0.00	0.00
MEDI	672.00	75,050.00	75,050.00	1,088.22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	672.00	75,050.00	75,050.00	1,088.22
WA ER FLI	672.00	75,050.00	75,050.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	672.00	75,050.00	75,050.00	0.00
WA ER SDI	0.00	0.00	0.00	8.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	8.40
WA ER SUTA SC	672.00	75,050.00	75,050.00	435.28	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	672.00	75,050.00	75,050.00	435.28
WA ER SUTA	672.00	75,050.00	75,050.00	1,651.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	672.00	75,050.00	75,050.00	1,651.10
WA FLI	672.00	75,050.00	75,050.00	396.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	672.00	75,050.00	75,050.00	396.70
WA SDI	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total:				**29,349.62**				**0.00**				**0.00**				**0.00**				**29,349.62**

Figure: The Taxes by Code report with the tax code level of detail

The report additionally shows employee breakdowns for each tax code if it is generated with the *Employee* option selected as the **Level of Detail** report parameter. If a user clicks an employee name in the report (see the following screenshot), the system opens the *Taxes by Employee* (PR641067) report for that employee.



Annual Taxes
by Tax Code

Year: 2024
Employee:
Include Data from Unreleased Paychecks: Yes
Tax Code:
Tax Category: All
Jurisdiction Level: All
State:

Company/Branch: PROD
User: Joseph Becher
Date: 1/23/2025 1:07 PM

	Q1				Q2				Q2				Q3				YTD			
Tax Code / Employee	Taxable Hours	Taxable Gross	Taxable Wages	Tax Amount	Taxable Hours	Taxable Gross	Taxable Wages	Tax Amount	Taxable Hours	Taxable Gross	Taxable Wages	Tax Amount	Taxable Hours	Taxable Gross	Taxable Wages	Tax Amount	Taxable Hours	Taxable Gross	Taxable Wages	Tax Amount
ER FICA																				
Maxwell Baker	336.00	33,383.34	33,383.34	2,069.76	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	336.00	33,383.34	33,383.34	2,069.76
Michael Andrews	336.00	41,666.66	41,666.66	2,583.34	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	336.00	41,666.66	41,666.66	2,583.34
Subtotal:	**672.00**	**75,050.00**	**75,050.00**	**4,653.10**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**672.00**	**75,050.00**	**75,050.00**	**4,653.10**
ER FUTA																				
Maxwell Baker	336.00	33,383.34	7,000.00	161.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	336.00	33,383.34	7,000.00	161.00
Michael Andrews	336.00	41,666.66	7,000.00	161.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	336.00	41,666.66	7,000.00	161.00
Subtotal:	**672.00**	**75,050.00**	**14,000.00**	**322.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**672.00**	**75,050.00**	**14,000.00**	**322.00**
ER MEDI																				
Maxwell Baker	336.00	33,383.34	33,383.34	484.06	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	336.00	33,383.34	33,383.34	484.06
Michael Andrews	336.00	41,666.66	41,666.66	604.16	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	336.00	41,666.66	41,666.66	604.16
Subtotal:	**672.00**	**75,050.00**	**75,050.00**	**1,088.22**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**672.00**	**75,050.00**	**75,050.00**	**1,088.22**
FICA																				
Maxwell Baker	336.00	33,383.34	33,383.34	2,069.76	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	336.00	33,383.34	33,383.34	2,069.76
Michael Andrews	336.00	41,666.66	41,666.66	2,583.34	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	336.00	41,666.66	41,666.66	2,583.34
Subtotal:	**672.00**	**75,050.00**	**75,050.00**	**4,653.10**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**672.00**	**75,050.00**	**75,050.00**	**4,653.10**
FIT																				
Maxwell Baker	336.00	32,050.00	32,050.00	6,292.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	336.00	32,050.00	32,050.00	6,292.42
Michael Andrews	336.00	40,000.00	40,000.00	8,761.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	336.00	40,000.00	40,000.00	8,761.08

Acumatica
The Cloud ERP

Continued...

Page: 1 of 3

Figure: The Taxes by Code report with the employee level of detail

Platform: Improved Licensing for Anomaly Detection in Generic Inquiries

Acumatica ERP 2025 R1 introduces improved license management for the *Detection of Numeric Anomalies in Generic Inquiries* feature. (The topics of the *Detecting Anomalies in Generic Inquiries* chapter provide detailed information about this feature.)

Licensing Updates

In Acumatica ERP 2024 R2, the license limited the number of generic inquiry rows processed per day to 1000. Also, the following limitations were imposed:

- Number of generic inquiries processed per day: 10
- Total number of records sent for processing per day: 1 million

In Acumatica ERP 2025 R1, the license includes parameters that track the number of processed generic inquiries and generic inquiry rows. Also, these parameters have been removed from the `web.config` file.

Viewing of the Consumption Statistics

An administrative user can now view the consumption statistics for the feature on the *License Monitoring Console* (SM604000) form. The **License** tab of the form (**System Constraints** section) shows the limits specified in the applicable license for system resources based on the license tier. The new license limitations are shown in the following screenshot.

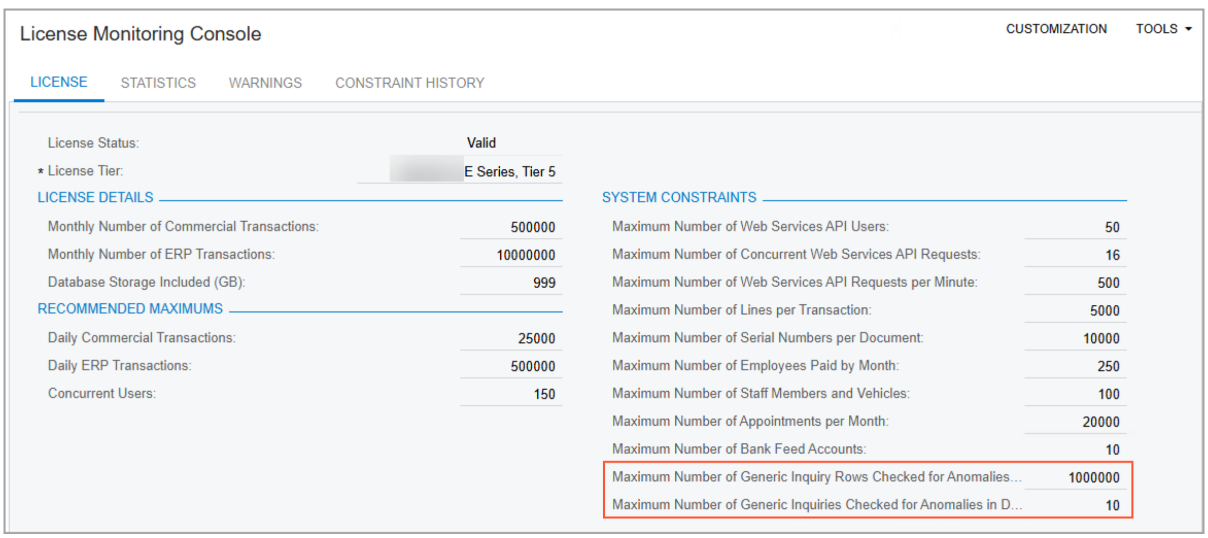


Figure: License limitations on the License Monitoring Console form

On the **Constraint History** tab of this form, the user can see how much data has been processed. On this tab, the **Generic Inquiry Rows Checked for Anomalies in Day (% of Limit)** and **Generic Inquiries Checked for Anomalies in Day (% of Limit)** columns have been added (see the following screenshot). The columns display the total number of processed generic inquiries and their rows for the selected day, as well the percent of the daily limit.

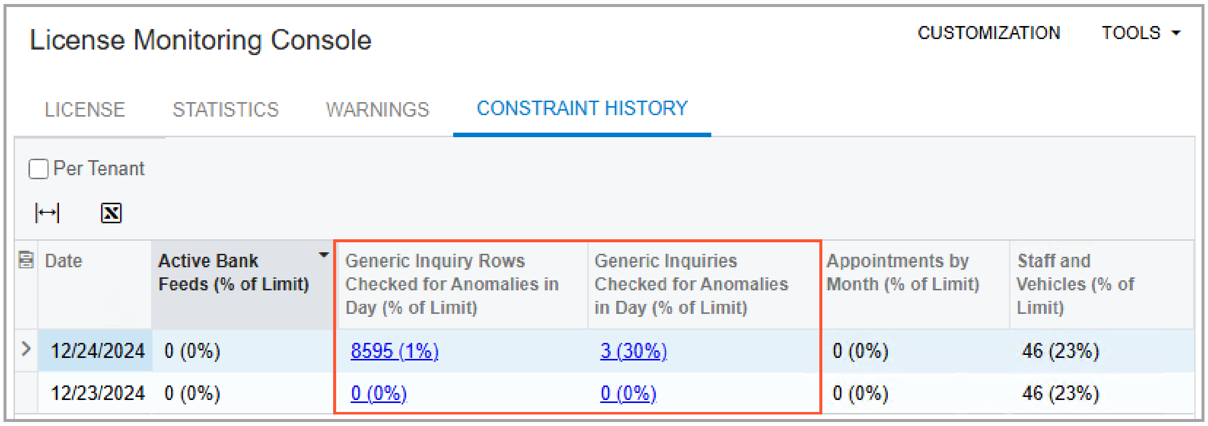


Figure: The updated Constraint History tab

Each number in the columns is a link that a user can click to open the new **Anomaly Detection Usage Statistics** dialog box. This dialog box contains the list of processed generic inquiries and the number of processed rows for each inquiry (see the following screenshot).

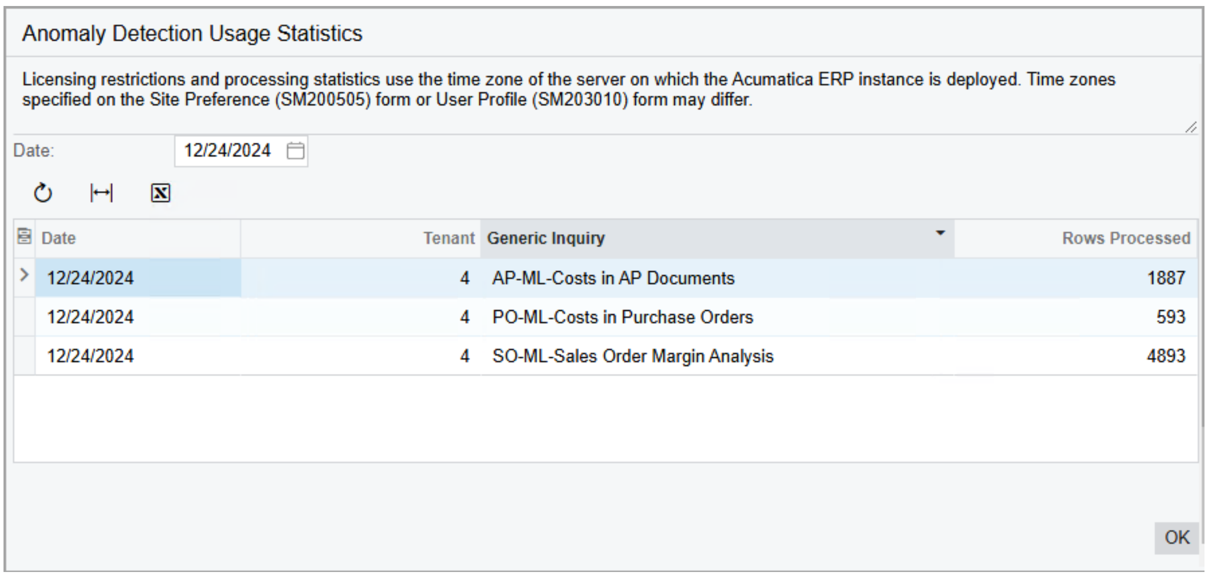


Figure: The Anomaly Detection Usage Statistics dialog box

> The statistics are calculated according to the time zone of the server with the Acumatica ERP instance.

The user can view the statistics for the instance and for each of the tenants. Note that license limitations are applied to the instance, not to each tenant separately. If any of the license limits are exceeded, the system now displays the appropriate message on the *Detect Anomalies in Generic Inquiries* (ML502000) form.

Platform: Improvements to the XML Import and Export Functionality

Acumatica ERP 2025 R1 introduces the improved import of records by using the XML import and export functionality.

Changes to the Export Template

For certain records in Acumatica ERP, the primary keys on the database level differ from the primary keys on the application level. For example, a *Dashboard* record has the `Name` primary key in the data access class (DAC) and the `DashboardID` primary key in the database table. In previous versions, if a customizer used the XML import and export functionality to import records that had the same key fields as the existing records, the system added the records without checking for duplicates. If the customizer then tried to view, modify, or delete any of these duplicate records, an error occurred. To resolve this issue, the customizer had to remove the records from the database.

In Acumatica ERP 2025 R1, the export template has been modified to prevent the duplication of records during import. Version 4 (the `format-version="4"` attribute; see Item 1 in the following screenshot) of the XML schema provided with Acumatica ERP now supports the new `unique-key` attribute (Item 2). The system uses this attribute to check for duplicate records. The attribute can be specified for parent and child tables.

```
<?xml version="1.0" encoding="utf-8" standalone="yes"?>
<data-set>
  <relations format-version="4" relations-version="20240815" main-table="GIDesign"
  stable-sharing="True" file-name="(Name)" unique-key="GIDesign (Name)">
    <link from="GIFilter (DesignID)" to="GIDesign (DesignID)" unique-key="GIFilter
    (DesignID, Name, IsActive)" />
    <link from="GIGroupBy (DesignID)" to="GIDesign (DesignID)" />
    <link from="GIMassAction (DesignID)" to="GIDesign (DesignID)" />
    <link from="GIMassUpdateField (DesignID)" to="GIDesign (DesignID)" />
    <link from="GINavigationScreen (DesignID)" to="GIDesign (DesignID)" />
    <link from="GINavigationParameter (DesignID, NavigationScreenLineNbr)" to=
    "GINavigationScreen (DesignID, LineNbr)" />
```

Figure: The updated elements of the XML definition

A unique key can contain multiple fields if it is a composite key.

Updates to the Import of Records

The changes described in this section have been made to all forms that support the XML import and export functionality.

When a customizer imports an XML file, the system now verifies whether this file contains any of the unique keys of the database tables from the export template. If the file does not contain a unique key, the system adds this key. The system then checks whether a record with the same unique key exists in the system. The system searches for these records by using the primary key and the unique index from the database (as in the previous versions), as well as by the unique key from the export template.

If only one record is found in a parent table, the system displays a warning that this record will be overwritten (see the following screenshot). If the customizer confirms the operation, the system replaces the unique key of the existing record with the unique key of the imported record.

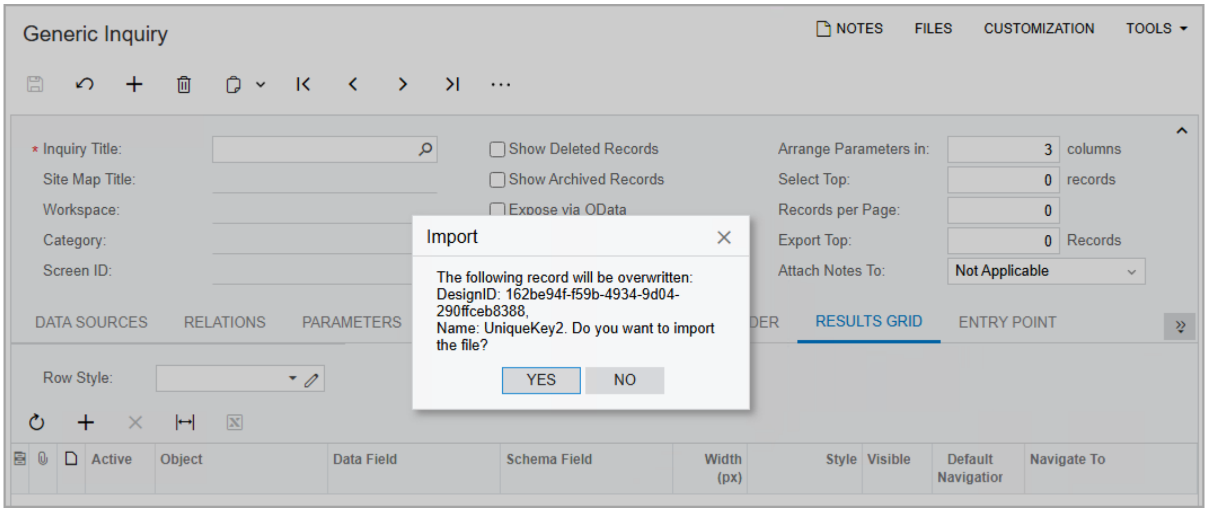


Figure: The overwriting of an existing record during import

If multiple duplicate records are found, the system displays a warning about these records (see the following screenshot). If the customizer clicks **Yes** in the **Import** dialog box, the system then processes the duplicate records depending on the link type and attributes specified for the parent and child tables in the XML schema.

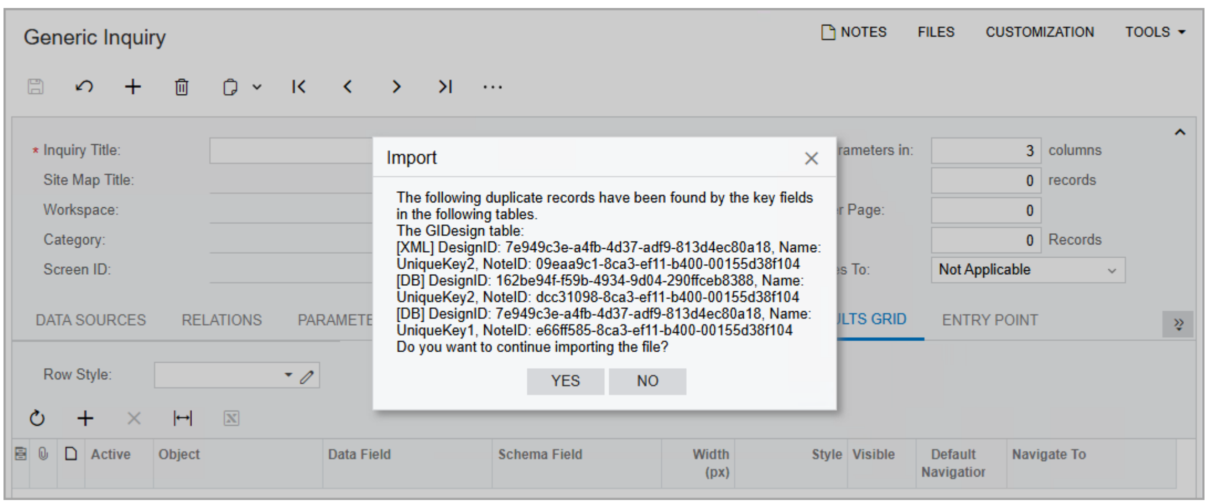


Figure: Detection of duplicate records

Changes to the Publication of a Customization Project

The system also checks for duplicate records during the publication of customization projects.

Suppose that an item in a customization project has the same key (the primary key, the unique index, or the unique key) as the records that exist in the system. When the customizer publishes such a project, the system displays a warning and overwrites the existing records with the item from the project (see the following screenshot).

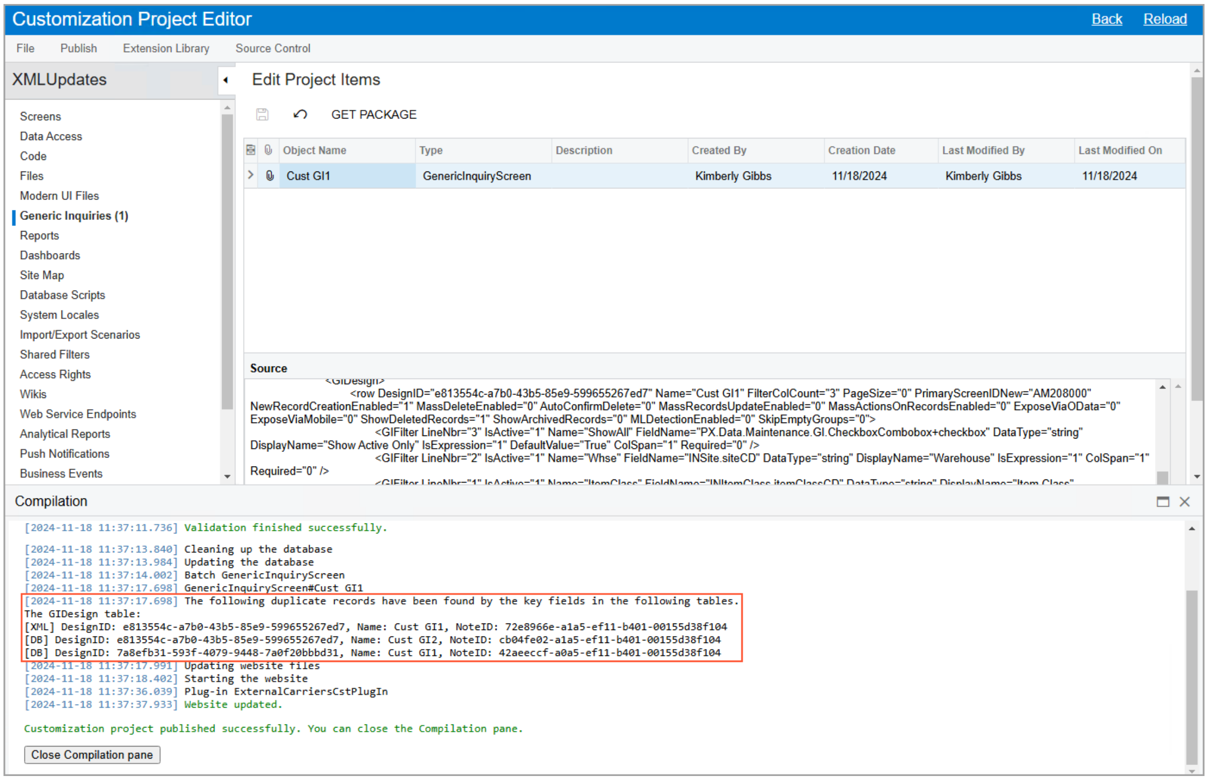


Figure: Warning during the publication of the customization project

Additional Information

For more information about XML import and export functionality, see *XML Import and Export*.

Platform: Extended Support for Date-Relative Parameters

Acumatica ERP 2025 R1 introduces support for relative date selection in import and export scenarios and automation schedules.

Support of Relative Dates in Integration Scenarios

In previous versions of Acumatica ERP, if a customizer wanted to specify a relative date in an import or export scenario, they needed to select the **Is Relative** check box and then select a date in the **Value** column. The **Is Relative** check box was available in the following locations:

- On the **Target Restrictions** tab of the *Import Scenarios* (SM206025) form
- On the **Source Restrictions** tab of the *Import Scenarios* (SM206025) form
- On the **Source Restrictions** tab of the *Export Scenarios* (SM207025) form

In Acumatica ERP 2025 R1, this check box has been removed. To select a relative date, the customizer can now select one of the following standard options in the **Value** column of any of the above-listed tabs:

- *@Today*: The business day.
- *@WeekStart* and *@WeekEnd*: The start and end, respectively, of the current week. The start and end of the week are determined according to the default system locale or the locale the user has selected when signing in to Acumatica ERP.
- *@MonthStart* and *@MonthEnd*: The start and end, respectively, of the current month.
- *@QuarterStart* and *@QuarterEnd*: The start and end, respectively, of the current quarter.
- *@PeriodStart* and *@PeriodEnd*: The start and end, respectively, of the current financial period.
- *@YearStart* and *@YearEnd*: The start and end, respectively, of the current calendar year.

The customizer can also specify one of the options listed above followed by + or - and the number of days to be added or subtracted from that date. For example, the customizer could do the following:

- Indicate the previous day by selecting *@Today* in the Calendar dialog box (see Item 1 in the following screenshot) and then type `-1` in the **Value** column (Item 2).

  The customizer opens this dialog box by clicking the Calendar button in a date box (Item 3).
- Specify a relative date in the past or in the future by specifying values such as *@Today-2* or *@Today+4*.

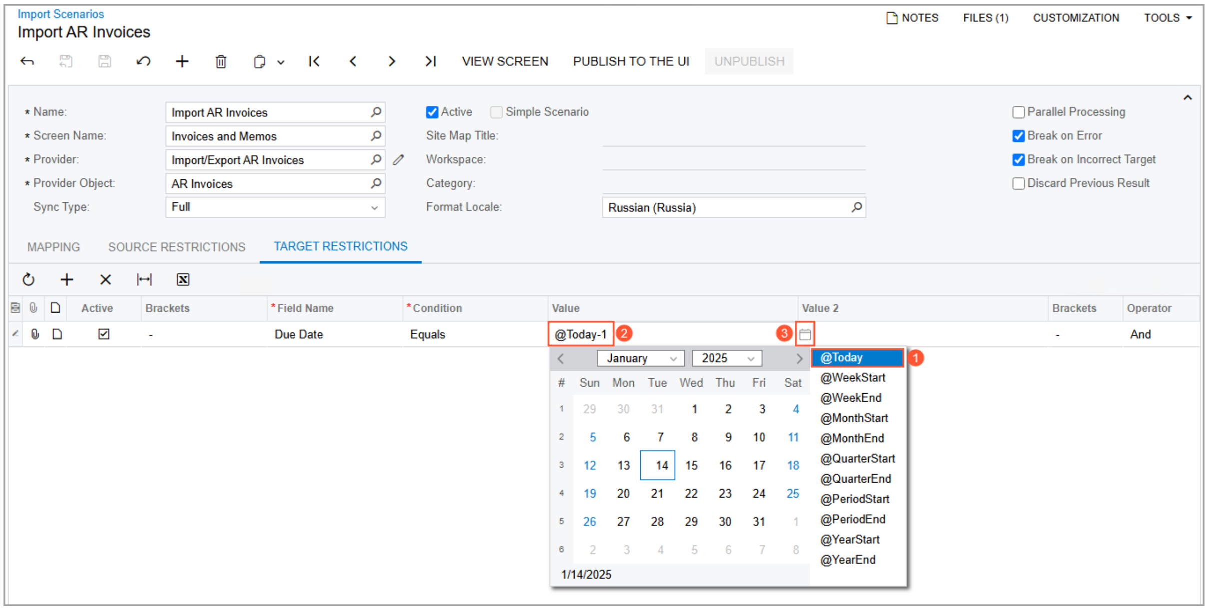


Figure: Selection of a relative date on the Import Scenarios form

On the **Source Restrictions** tab of the *Import Scenarios* form, the Calendar dialog box is available for a field only if this field has *DateTime* selected in the **Data Type** column on the *Data Providers* (SM206015) form.

Support of Relative Dates in Automation Schedules

In previous versions of Acumatica ERP, the customizer needed to perform similar actions to those described in the previous section to select relative dates in automation schedules on the **Conditions** and **Filter Values** tabs of the *Automation Schedules* (SM205020) form.

In Acumatica ERP 2025 R1, the **Relative** check box has been removed from these tabs, and standard date-relative options have been added. The customizer can now specify a relative date in the same way as the previous section described.

Migration Notes

If the customizer has import scenarios, export scenarios, or automation schedules that used date-relative parameters with the **Relative** check box selected, they do not need to make any changes to these entities. When the customizer updates the instance by using the Acumatica ERP Configuration wizard, the system transforms the parameters to the new format automatically.

Platform: Support for the Numeric Attribute Type

Acumatica ERP 2025 R1 introduces the support of numeric values for attributes.

Support for the New Attribute Type

In previous versions of Acumatica ERP, a user could not specify attributes that contained numbers.

In Acumatica ERP 2025 R1, the new *Number* control type is supported. The user can use this type to create attributes with numeric values.

Users can select attributes of the *Number* type on the **Attributes** tab of all forms that have this tab, such as *Vendor Classes* (AP201000). Also, these attributes can be selected in the **User-Defined Field Parameters** dialog box on all forms that support user-defined fields, such as *Shipments* (SO302000) and *Leads* (CR301000).

Changes to the Attributes Form

On the *Attributes* (CS205000) form, the *Number* option has been added to the **Control Type** box (see Item 1 in the following screenshot). If the user selects this option, the new **Decimal Places** box becomes available (Item 2). In this box, the user can specify the number of decimal places (0 through 8) that an attribute of this type can contain.

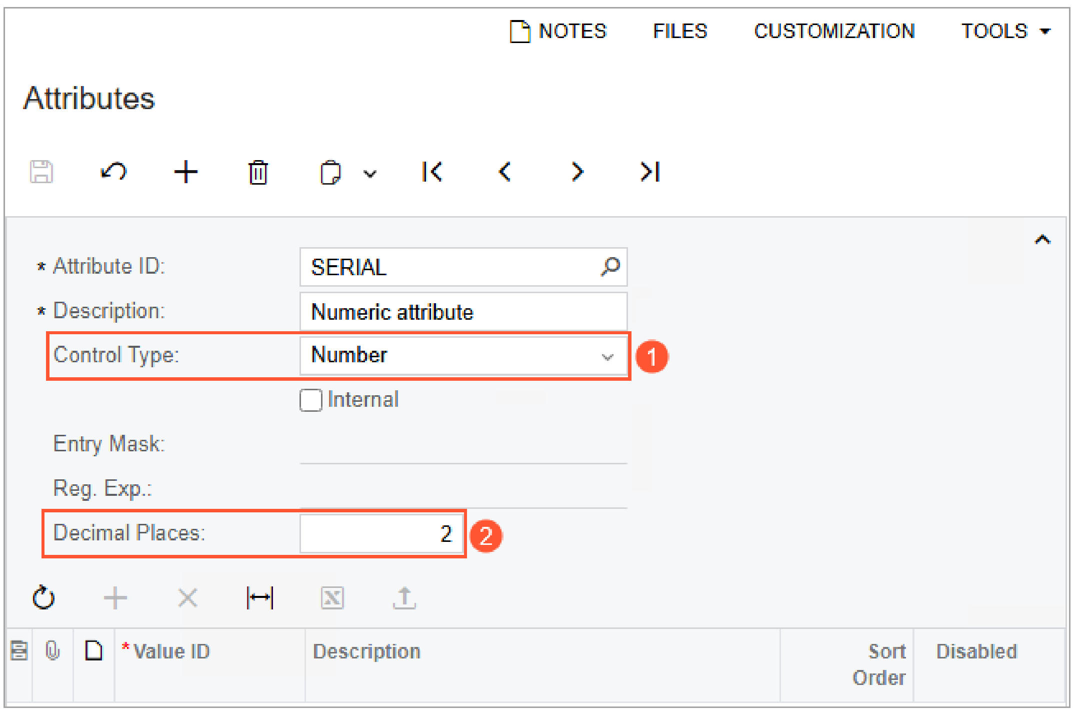


Figure: The updated Attributes form

If the user specifies a number that is greater than 8, the system replaces the entered value with *8*. If the user specifies *0*, the system will use an integer value for the attribute. By default, the value in this box is *0*.

Platform: Other Improvements

Acumatica ERP 2025 R1 introduces the improvements to the platform functionality that are described below.

Maintenance Mode During Snapshot and Tenant Operations

Starting in Acumatica ERP 2025 R1, administrative users must switch on maintenance mode before copying tenants and creating or restoring snapshots. (For more information about these tasks, see *Tenants: General Information* and *Snapshots: General Information*.) The activation of this mode is crucial because these operations temporarily disable database constraints, which can endanger data consistency.

In the new version, if a user attempts to copy a tenant or create or restore a snapshot on the *Tenants* (SM203520) form, the system prompts them to activate maintenance mode, as illustrated in the screenshot below.

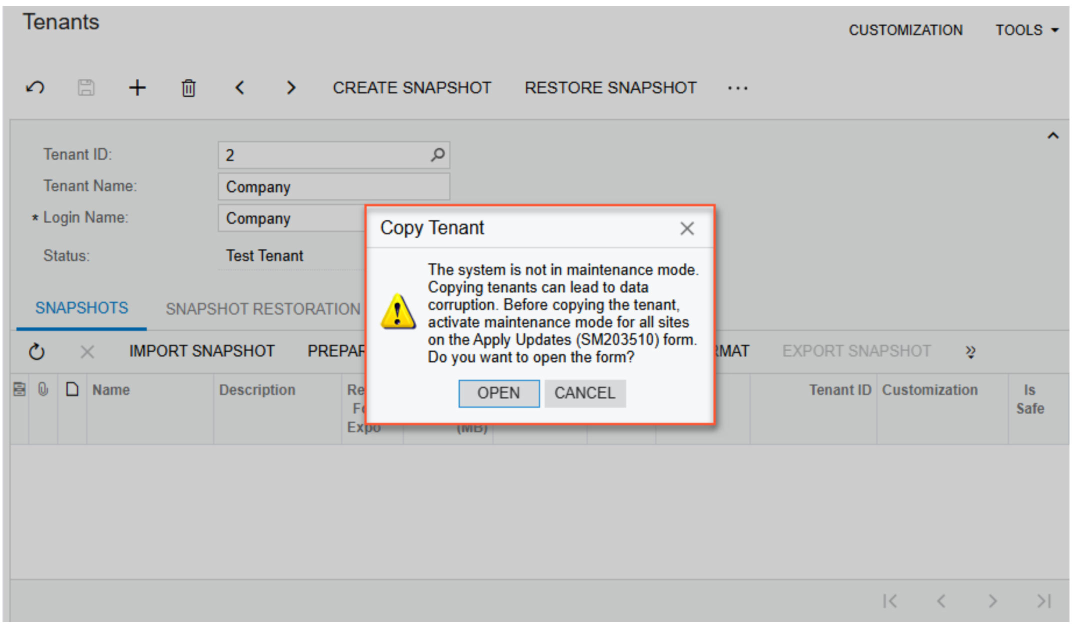


Figure: A prompt to activate maintenance mode

When the user clicks **Open**, the system opens the *Apply Updates* (SM203510) form, where they can switch on maintenance mode by clicking **Schedule Lockout** on the form toolbar. The user must then specify the date, time, and reason for the lockout in the **Schedule Lockout** dialog.

After the tenant has been copied or the snapshot created or restored, the user should switch off maintenance mode by clicking **Stop Lockout** on the form toolbar of the *Apply Updates* form.

Profile Entities in Search Results

Beginning in Acumatica ERP 2025 R1, search results displayed on the **Transactions and Profiles** tab of the Search workspace prioritizes records of the following entity types:

Entity	Data access class
Business account	`PX.Objects.CR.BAccount`
Customer	`PX.Objects.AR.Customer`
Payroll employee	`PX.Objects.PR.PREmployee`

Entity	**Data access class**
Contact	`PX.Objects.CR.Contact`
Vendor	`PX.Objects.AP.Vendor`
Employee	`PX.Objects.EP.EPEmployee`
Lead	`PX.Objects.CR.CRLead`
Inventory item (stock or non-stock)	`PX.Objects.IN.InventoryItem`

Projects and Construction: AIA Report with Time and Material Lines

The American Institute of Architects (AIA) report is a standardized report form that is used for billing purposes in the construction industry. In previous versions of Acumatica ERP Construction Edition, users could include only progress billing lines of pro forma invoices in the prepared AIA reports.

In Acumatica ERP Construction Edition 2025 R1, the AIA report functionality has been enhanced. Now users can include time and material lines of pro forma invoices in the AIA reports in addition to progress billing lines. The following sections describe the process of including time and material lines in AIA reports and list the UI changes that have been introduced with this functionality.

AIA Reports with Time and Material Amounts

To include time and material lines in an AIA report and prepare the report, a user performs the following general steps:

1. The user runs project billing for a project on the *Projects* (PM301000) form or *Run Project Billing* (PM503000) form to prepare a pro forma invoice.
2. The user opens the prepared pro forma invoice on the *Pro Forma Invoices* (PM307000) form. On the **Time and Material** tab, cleared check boxes in the **Include in Progress Billing** column (shown below) for the time and material lines indicate that the lines have not been added to the progress billing yet. The **Revenue Task** column on the **Time and Material** tab indicates the progress billing line to which the time and material line corresponds. The system automatically inserts a revenue task in each time and material line that has been created automatically during project billing or added manually by a user.

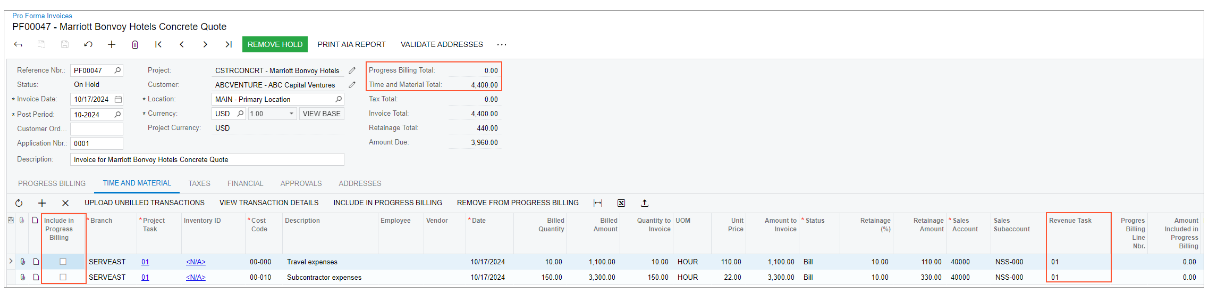


Figure: Pro forma invoice with time and material lines

> If the project task in a time and material line has the *Cost Task* type and the corresponding cost budget line has no revenue task specified on the **Cost Budget** tab of the *Projects* (PM301000) form, the **Revenue Task** column remains empty by default. A user should specify the corresponding revenue task in this line manually.

3. On the **Progress Billing** tab, the user loads progress billing lines by clicking **Load Lines** (if the lines were not added automatically during the billing procedure).
4. The user transfers the time and material amounts to the respective progress billing lines by doing either of the following on the **Time and Material** tab:
   - Selecting the **Include in Progress Billing** check box for the particular lines to be included in progress billing and, thus, in the AIA report
   - Clicking the **Include in Progress Billing** button on the table toolbar to include all lines in progress billing and in the AIA report

In each line, the **Progress Billing Line Nbr.** column indicates the line on the **Progress Billing** tab this time and material line corresponds to (see the following screenshot). The **Amount Included in Progress Billing** column shows the amount that was included in progress billing.

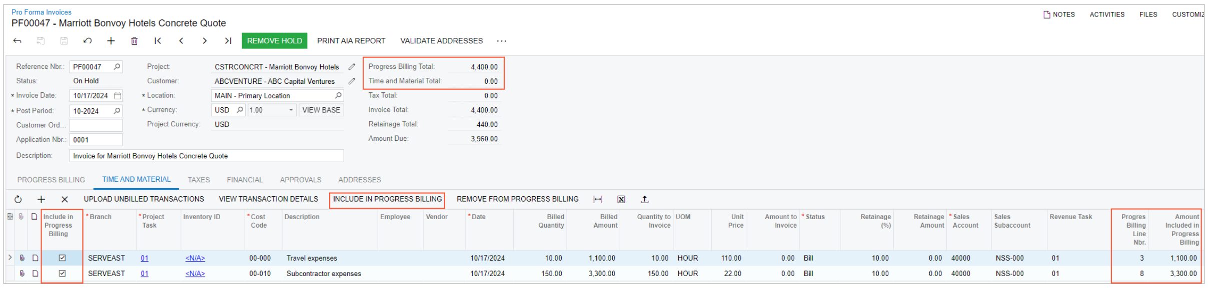


Figure: Time and material lines to be included in the AIA report

On the **Progress Billing** tab, the **Time and Material Amount** column indicates the total amount of the time and material line that corresponds to a progress billing line, as shown in the following screenshot.

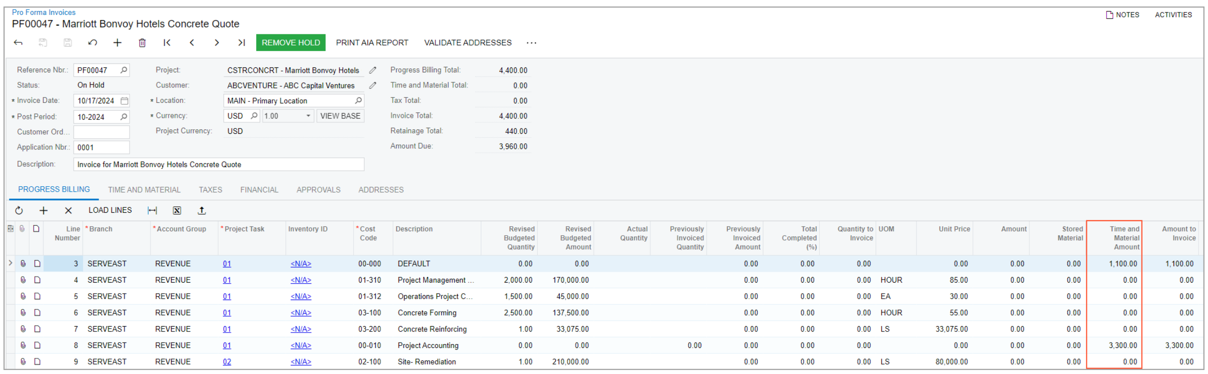
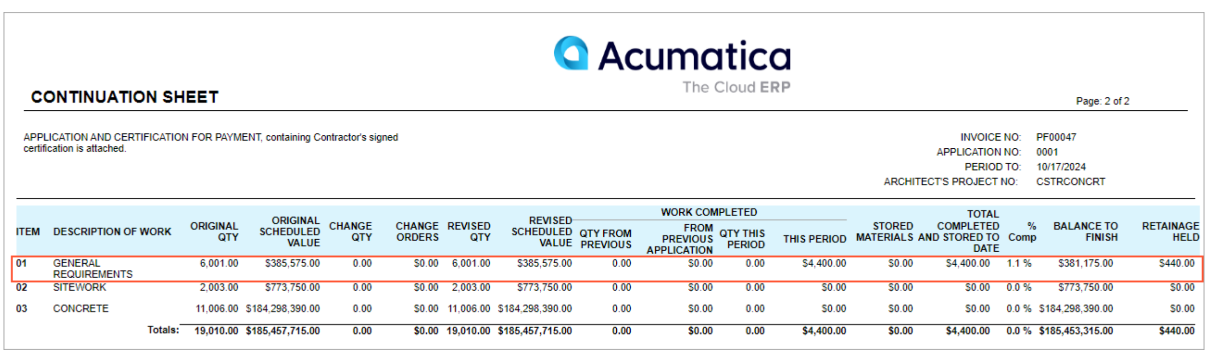


Figure: Amounts transferred from time and material lines to progress billing lines

5. Finally, the user clicks **Print AIA Report** on the form toolbar to prepare the AIA report for the pro forma invoice. The resulting report includes the amounts of the time and material lines, as the following screenshot shows.


CONTINUATION SHEET

Page: 2 of 2

APPLICATION AND CERTIFICATION FOR PAYMENT, containing Contractor's signed certification is attached.

INVOICE NO: PF00047
APPLICATION NO: 0001
PERIOD TO: 10/17/2024
ARCHITECT'S PROJECT NO: CSTRCONCRT

ITEM	DESCRIPTION OF WORK	ORIGINAL QTY	ORIGINAL SCHEDULED VALUE	CHANGE QTY	CHANGE ORDERS	REVISED QTY	REVISED SCHEDULED VALUE	WORK COMPLETED: QTY FROM PREVIOUS	WORK COMPLETED: FROM PREVIOUS APPLICATION	WORK COMPLETED: QTY THIS PERIOD	WORK COMPLETED: THIS PERIOD	STORED MATERIALS	TOTAL COMPLETED AND STORED TO DATE	% Comp	BALANCE TO FINISH	RETAINAGE HELD
01	GENERAL REQUIREMENTS	6,001.00	$385,575.00	0.00	$0.00	6,001.00	$385,575.00	0.00	$0.00	0.00	$4,400.00	$0.00	$4,400.00	1.1 %	$381,175.00	$440.00
02	SITEWORK	2,003.00	$773,750.00	0.00	$0.00	2,003.00	$773,750.00	0.00	$0.00	0.00	$0.00	$0.00	$0.00	0.0 %	$773,750.00	$0.00
03	CONCRETE	11,006.00	$184,298,390.00	0.00	$0.00	11,006.00	$184,298,390.00	0.00	$0.00	0.00	$0.00	$0.00	$0.00	0.0 %	$184,298,390.00	$0.00
	Totals:	19,010.00	$185,457,715.00	0.00	$0.00	19,010.00	$185,457,715.00	0.00	$0.00	0.00	$4,400.00	$0.00	$4,400.00	0.0 %	$185,453,315.00	$440.00

Figure: Time and material amounts included in the AIA report

To remove previously added time and material lines from the AIA report, the user either clears the **Include in Progress Billing** check box for particular lines or clicks the **Remove from Progress Billing** button on the table toolbar of the **Time and Material** tab of the *Pro Forma Invoices* (PM307000) form to remove all lines.

New Tab on the Side Panel of the Pro Forma Invoices Form

On the side panel of the *Pro Forma Invoices* (PM307000) form, the **Time and Material Lines in Progress Billing** tab has been added. On this tab, a user can view the time and material lines that are related to the currently selected progress billing line, as shown in the following screenshot.

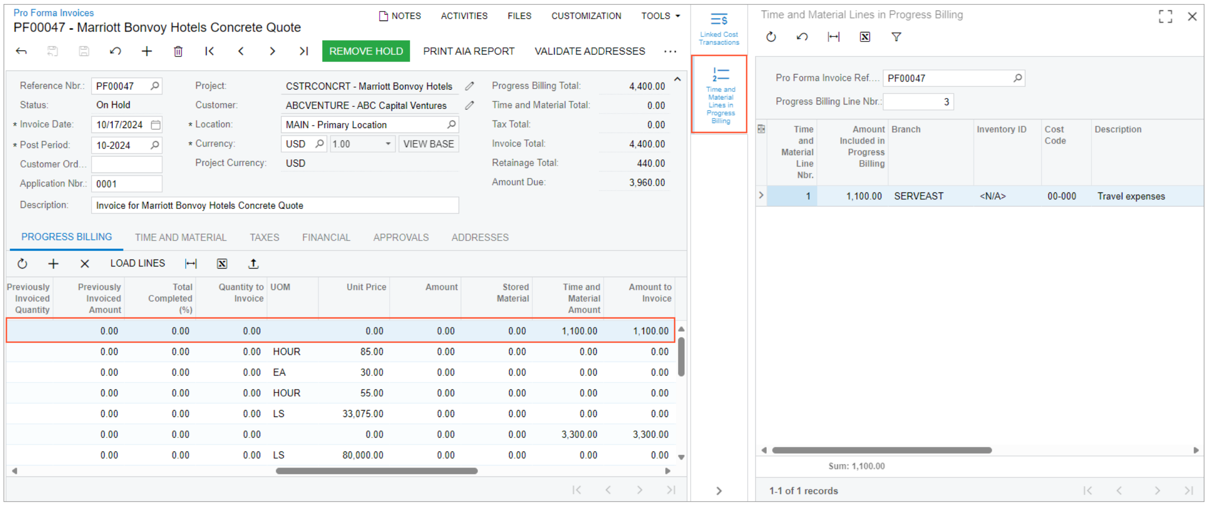


Figure: The new tab of the side panel

Other Enhancements

The following changes have also been made to support the described functionality:

- On the More menu of the *Pro Forma Invoices* (PM307000) form, the **Update Empty Revenue Tasks** command has been added. When a user clicks this command, the system automatically inserts revenue tasks in all time and material lines of the current pro forma invoice that have no revenue task specified.
- If a time and material line is linked to a revenue budget line and the **Use T&M Revenue Budget Limits** check box is selected for a project on the **Summary** tab of the *Projects* (PM301000) form, the system calculates the maximum amount that is currently available for billing the customer based on the billing limit amount of the corresponding revenue budget line that is related to the selected revenue task. For the time and material lines with no revenue task specified, the system calculates the maximum billable amount based on the project task in these lines.
- On the *Projects* form, the system now automatically populates the **Revenue Task** column in the newly added cost budget lines.
- The following UI elements, which previously were available only if the *Construction* feature was enabled on the *Enable/Disable Features* (CS100000) form, now appear unconditionally:
  - The **Type** column on the **Tasks** tab of the *Projects* and *Project Templates* (PM208000) forms
  - The **Type** box in the Summary area of the *Project Tasks* (PM302000), *Project Template Tasks* (PM208010), and *Common Tasks* (PM208030) forms

Projects and Construction: AP Document Recognition for Projects

In previous versions of Acumatica ERP Construction Edition, the AP document recognition functionality did not support the project-related AP documents. Thus, if project accountants received emails with attached invoices related to projects, they had to manually enter project-related AP bills and AP bills for subcontracts in the system. These were a time-consuming and error-prone operation.

In Acumatica ERP Construction Edition 2025 R1, the recognition of an AP documents has been further improved to provide the automatic defaulting of project-related information and recognition of the subcontract numbers in the document lines. This enhancement simplifies and automates the management of AP bills for construction projects and increases efficiency and accuracy in tracking project-related expenses.

New Recognition Feature

A new feature, *Recognition of Project-Related Documents*, has been added to the *Experimental Features* group of features on the *Enable/Disable Features* (CS100000) form.

> This feature requires the *AP Document Recognition Service* feature to be also enabled on the form.

If the feature is enabled, users can now do the following on the *Incoming Documents* (AP301100) form:

- Select project-related data for project-related bills that are not linked to commitments.

  Users can manually populate the project budget key in the lines of the recognized AP document, if needed.
- Include project-related data in the bills linked to purchase orders with receipts or without receipts.

  The system now recognizes purchase order numbers in the AP bill lines, links these lines to AP document lines, and automatically populates the project budget key in the lines of the recognized AP document based on the corresponding purchase order. Users can also link AP document lines to purchase orders manually if no exact matching document was found.
- Recognize the subcontract number and include project-related data in the bill lines linked to subcontracts.

  The system recognizes subcontract numbers in the AP bill lines, links these lines to AP document lines, and automatically populates the project budget key based on the corresponding subcontract. Users can also link AP document lines to subcontracts manually if no exact matching document was found.

The following screenshot shows a recognized AP bill that is related to a purchase order. The system has linked the purchase order and purchase receipt to these lines and inserted the project budget key (project, project task, and cost code) in both lines.

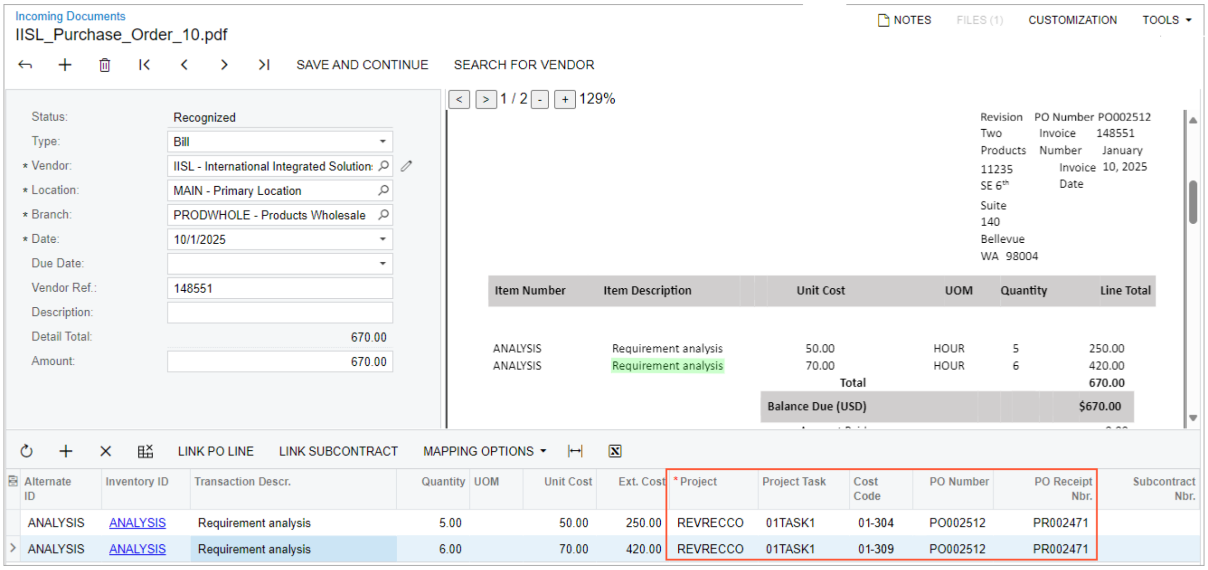


Figure: A recognized project-related bill

If the system did not link the line automatically to a subcontract line (for example, if multiple options for linking are available), a user can link the line by clicking the line and then clicking the **Link Subcontract** button on the table toolbar of the *Incoming Documents* form. When the user clicks this button, the **Link Subcontract** dialog box opens with a list of subcontracts. When the user selects the corresponding subcontract line and links it to the AP document line, the system automatically populates the project budget key based on the subcontract.

When the user clicks **Save and Continue** for the recognized bill, the system creates an AP bill and opens the *Bills and Adjustments* (AP301000) form with it (see the screenshot below). The bill lines are added to the **Details** tab. For the direct AP bills, the system copies the project budget key along with other line information. For the project-related lines linked to purchase orders, the system also copies the purchase order and receipt numbers to the **PO Number** and **PO Receipt Nbr.** columns, respectively. For the project-related lines linked to subcontracts, the system copies the subcontract number to the **Subcontract Nbr.** box.

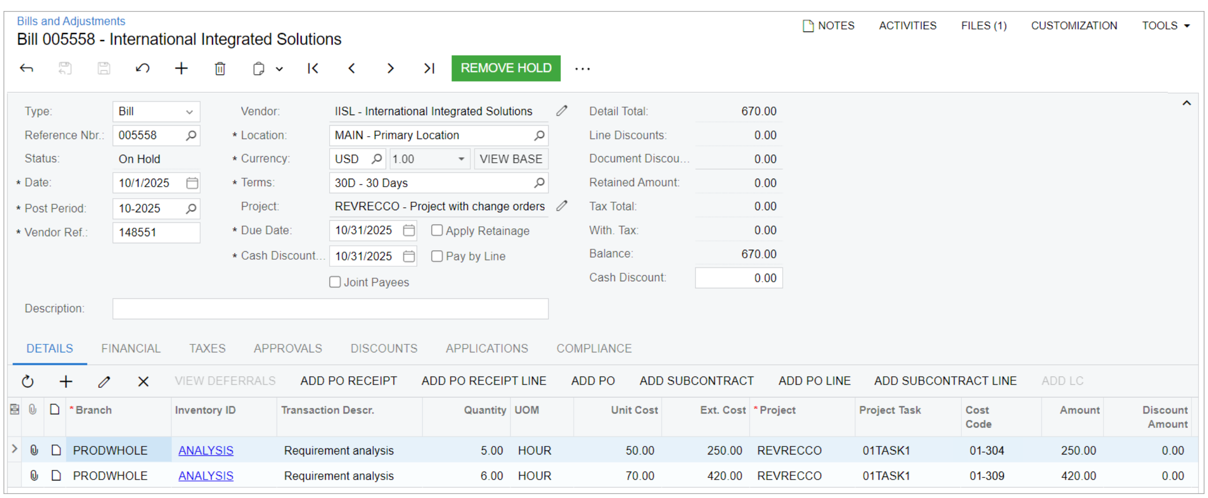


Figure: AP bill created from the recognized document

For more information on AP document recognition, see *AP Documents from PDFs: General Information*.

Projects and Construction: Enhanced Usability for AP Documents with Multiple Projects

In Acumatica ERP 2025 R1, the accounts payable, purchase orders, and subcontracts functionality related to working with multiple projects has been reworked and enhanced. The user experience of working with the single-project and multi-project documents has been streamlined. The introduced changes simplify data entry for single-project documents, provide flexibility for multi-project documents, and enhance the reporting capabilities.

UI Changes

On the *Accounts Payable Preferences* (AP101000) form, the **Require Single Project per Document** check box has been removed. Now users can specify one project, multiple projects, or a combination of any number of projects and the non-project code in the lines of a single AP document, purchase order, or subcontract.

Documents with Multiple Projects

Now if a document relates to multiple projects or to at least one project and non-project code, the system shows <*Multiple projects*> in the **Project** box in the Summary area of the following forms:

- *Bills and Adjustments* (AP301000)
- *Purchase Orders* (PO301000)
- *Subcontracts* (SC301000)

The following screenshot shows a bill that has two different projects specified in its lines on the *Bills and Adjustments* form. The **Project** box in the Summary area indicates that the document is related to multiple projects.

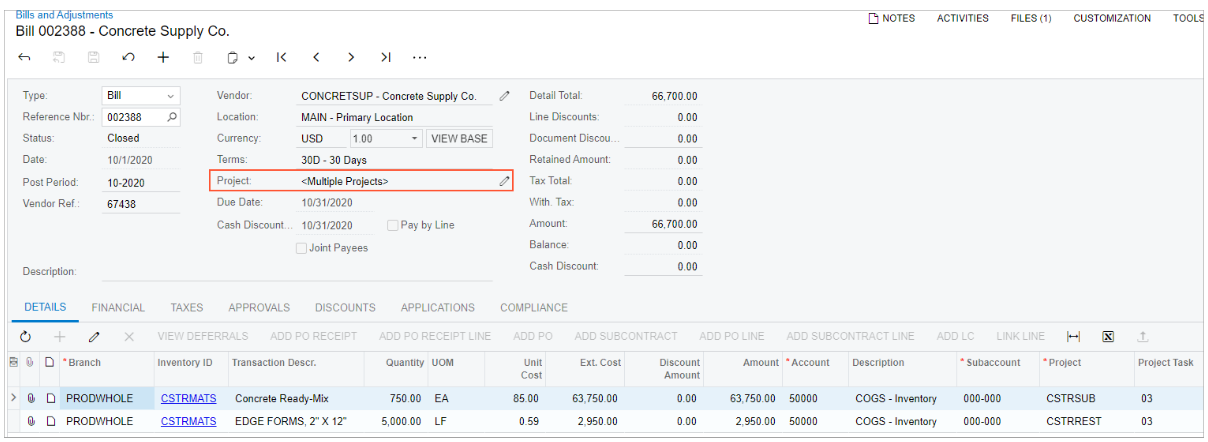


Figure: A bill with multiple projects in its lines

Improvements to AP Documents with Retainage

The lines of retainage AP documents now contain all project-related information (project, project task, and cost code) from the original bill lines, as the following screenshot shows. This change helps users to ensure consistency and facilitates detailed subcontract audit reporting.

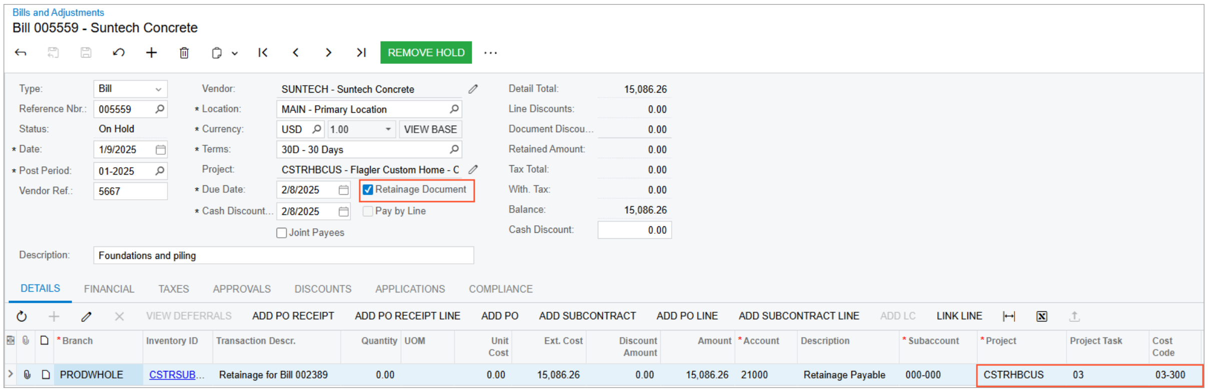


Figure: A retainage bill with project information in its line

Other Improvements

The users can now select or clear the **Pay by Line** check box in AP documents, regardless of whether they have document lines specified on the **Details** tab of the *Bills and Adjustments* (AP301000) form.

Projects and Construction: Enhancements to the Correction of Pro Forma Invoices

In previous versions of Acumatica ERP, users were able to make corrections to released pro forma invoices that include only progress billing lines. On a user's attempt to correct a pro forma invoice that has at least one time and material line, the system shown an error message. Also, this functionality was available only if the *Construction* feature was in use.

In Acumatica ERP 2025 R1, the restrictions on correcting the pro forma invoices with time and material lines have been eliminated. The following sections describe the improvements to the ability to correct pro forma invoices.

Workflow of the Correction of Pro Forma Invoices

Suppose that a user needs to correct a pro forma invoice with time and material lines and the invoice has already been released; the corresponding AR invoice has also been released and has the *Open* status. To create a new revision of the pro forma invoice, the user clicks **Correct** on the More menu of the *Pro Forma Invoices* (PM307000) form, as shown in the following screenshot.

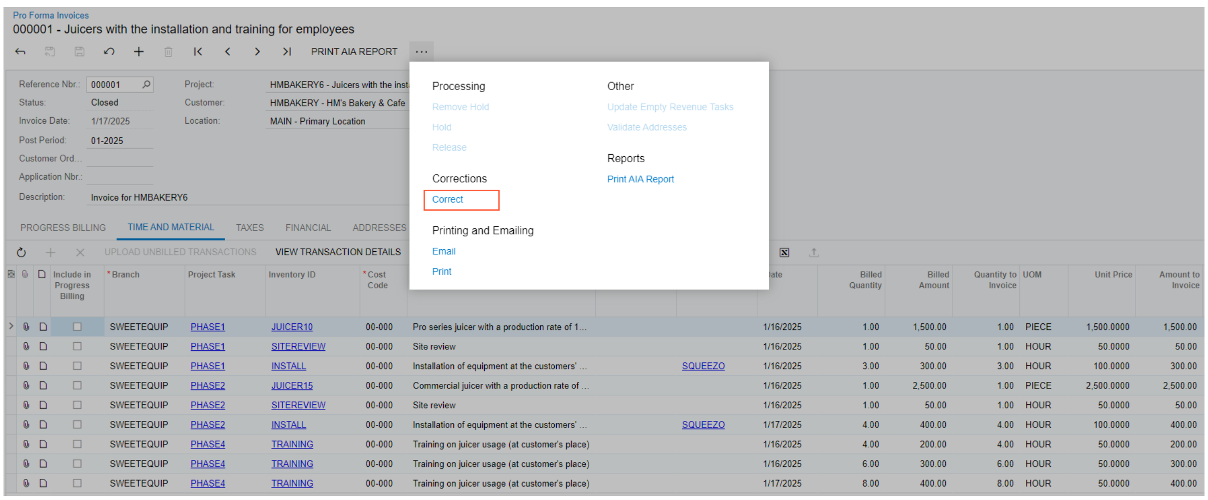


Figure: Pro forma invoice to be corrected

The system creates a *correction pro forma invoice*: that is, a new revision of the pro forma invoice with the *On Hold* status and a line with the previous revision of the pro forma invoice in the **Previous Revisions** table on the **Financial** tab of the form, as shown in the following screenshot. The time and material lines need to be corrected; the **Time and Material Total** of the pro forma invoice has not been changed yet.

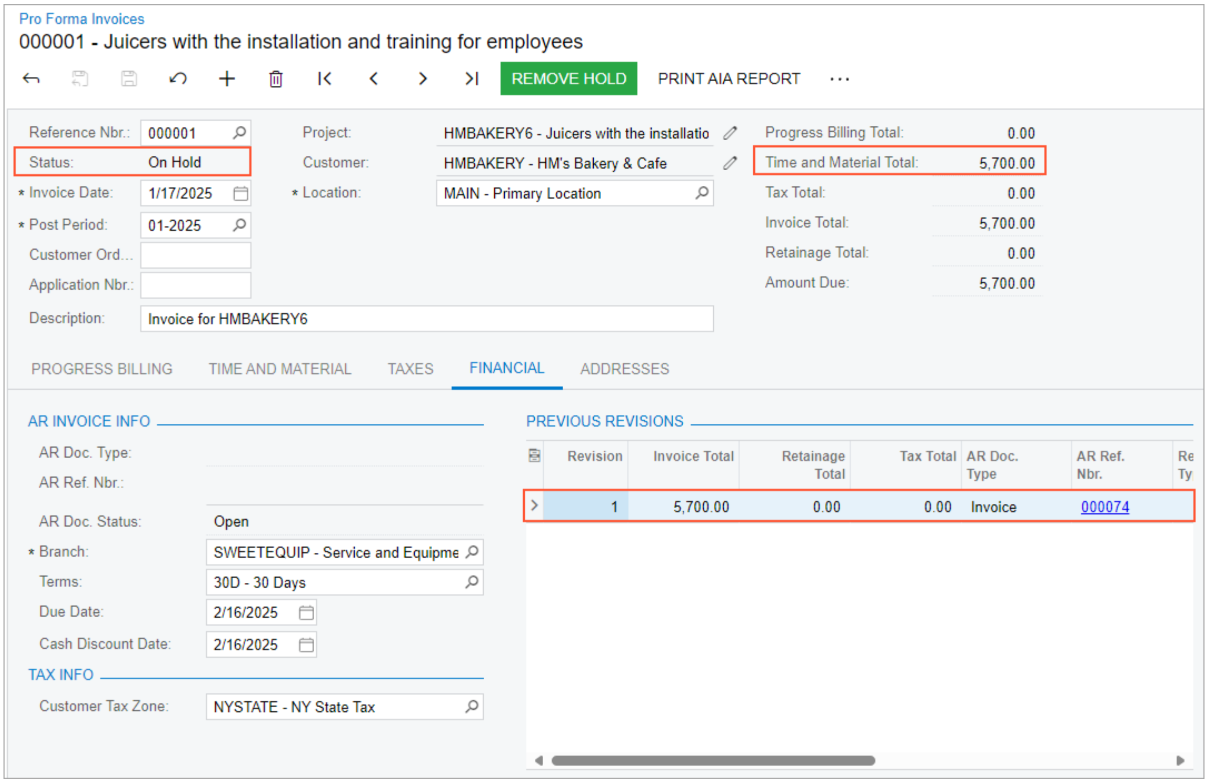


Figure: The correction pro forma invoice that has been created

After the user has made all needed corrections to the time and material lines and the **Time and Material Total** is now correct, the user releases the new revision of the pro forma invoice. On release of this new revision, the system creates a reversing document, which is listed in the **Previous Revisions** table of the **Financial** tab, as shown in the following screenshot. The system also creates an accounts receivable document; the type, reference number, and current status of this document are shown in the **AR Invoice Info** section of the tab. The correction pro forma invoice is assigned the *Closed* status.

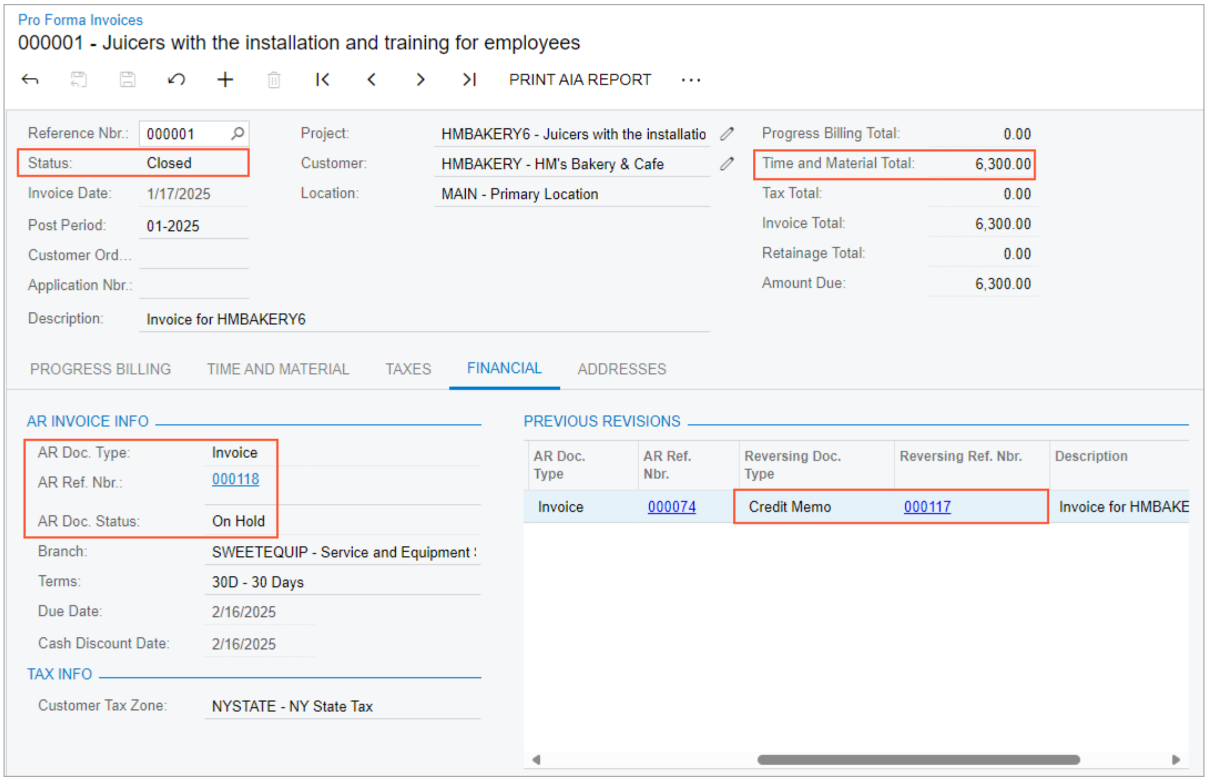


Figure: The correction pro forma invoice that has been released

On release of the correction pro forma invoice, the system automatically releases and applies the reversing AR document to the original AR document to completely reverse the previous revision and update project actual values. For more information about pro forma invoice correction, see the *Correcting Pro Forma Invoices* chapter.

Other Enhancements

The following changes have also been made on the *Pro Forma Invoices* (PM307000) form:

- The **Correct** command on the More menu is now available for closed pro forma invoices regardless of whether the *Construction* feature is enabled on the *Enable/Disable Features* (CS100000) form.
- The **AR Doc. Status** box has been added to the **Financial** tab. This box shows the current status of the AR document that has been prepared for a pro forma invoice.

Projects and Construction: Enhancements to the Cost Projection Functionality

In Acumatica ERP 2025 R1, the cost projection functionality has been enhanced, as described in the following sections.

Time-Sensitive Cost Projections

Now users can create cost projections, calculate project margins, and analyze over- and underbilling for projects for a specific date. The new *Cost Projection by Date* (PM305500) form and the corresponding *Cost Projection by Date (PM3055PL)* list of records have been added.

When a user creates a cost projection on the *Cost Projection by Date* form, they select the project for which the cost projection is prepared and the date on which the cost projection will be calculated (shown below). The system automatically selects or clears the check boxes in the **Budget Level** section in the Summary area (see the following screenshot) based on the cost budget level specified on the *Projects* (PM301000) form. The user can clear any of the selected check boxes in the **Budget Level** section to prepare the cost projection with a less detailed structure.

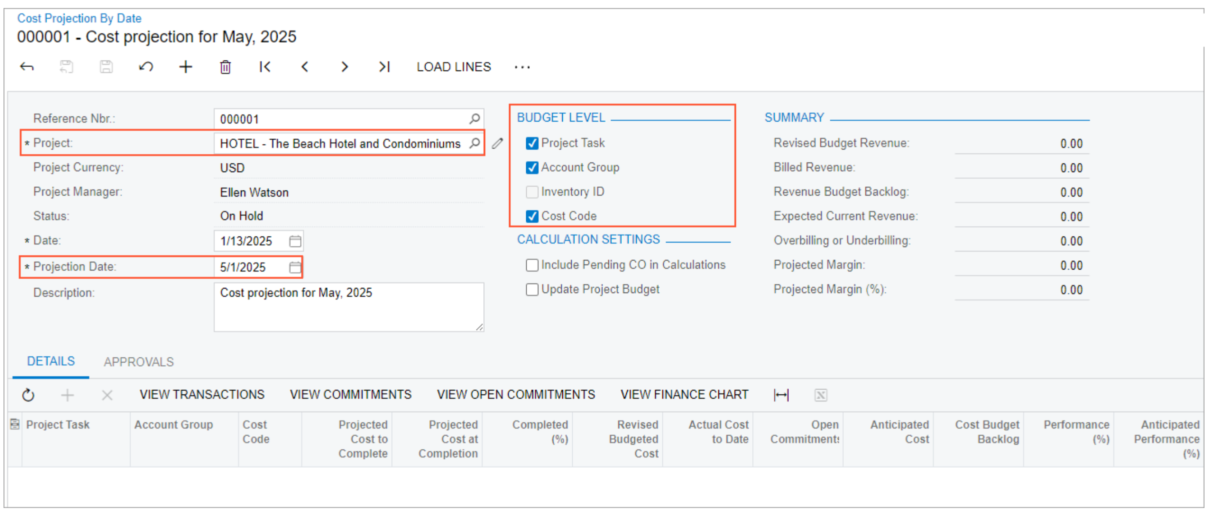


Figure: New cost projection by date

On the form toolbar, the user clicks **Load Lines** to populate the budget lines to be analyzed on the **Details** tab (see the following screenshot).

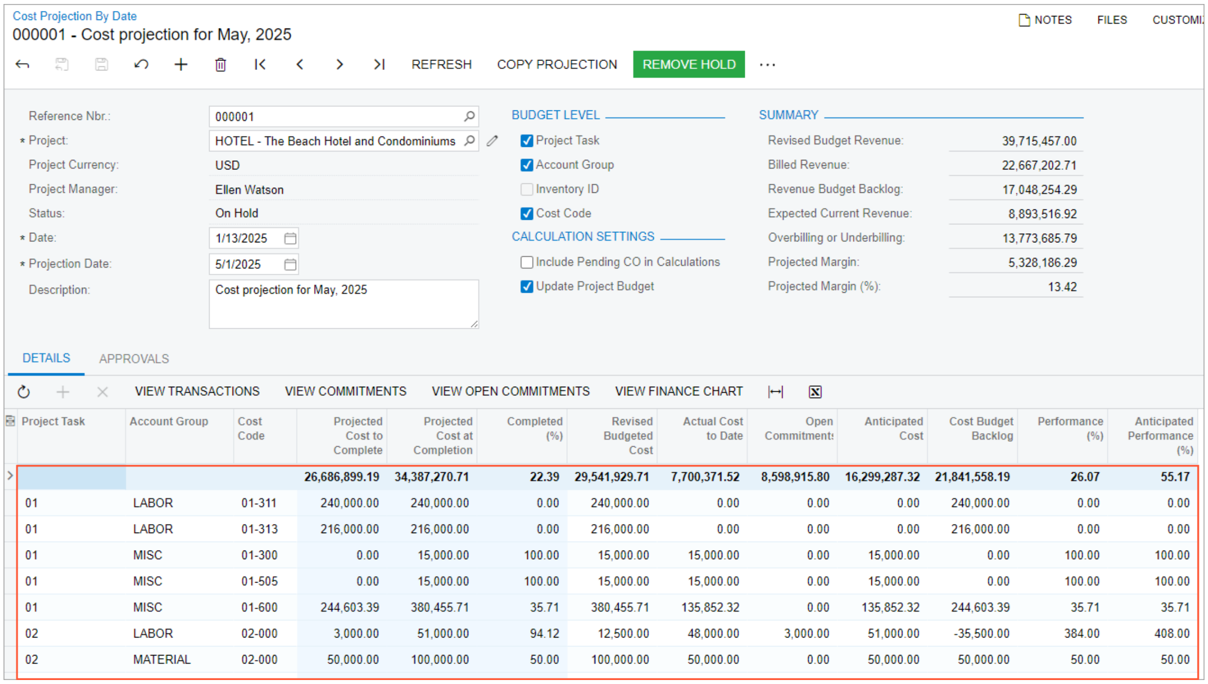


Figure: Cost projection with added budget lines

Then the user changes the value in the **Projected Cost at Completion**, **Projected Cost to Complete**, or **% Completed** column in the budget lines that should be analyzed. The system recalculates the **Overbilling or Underbilling** value in the Summary area of the form accordingly.

Creation of a Copy of a Cost Projection

On the *Cost Projection by Date* (PM305500) form, a user can create a new cost projection based on an existing one. This updates the cost projection with the latest actual values from the project while preserving the manual changes that have been made to the **Projected Cost at Completion** values on the previous projection date. To do this, on the *Cost Projection by Date* form, the user creates a new cost projection by date for the same project with the same budget level, loads the budget lines, and clicks **Copy Projection** on the form toolbar (shown below).

The system opens the dialog box with the list of released cost projections with the same project and project budget structure (also shown in the screenshot below). Then the user clicks the line with the needed cost projection and clicks **OK**. The system copies the **Projected Cost at Completion** value to each line in which the **Anticipated Cost** value does not exceed the **Projected Cost at Completion** value being copied.

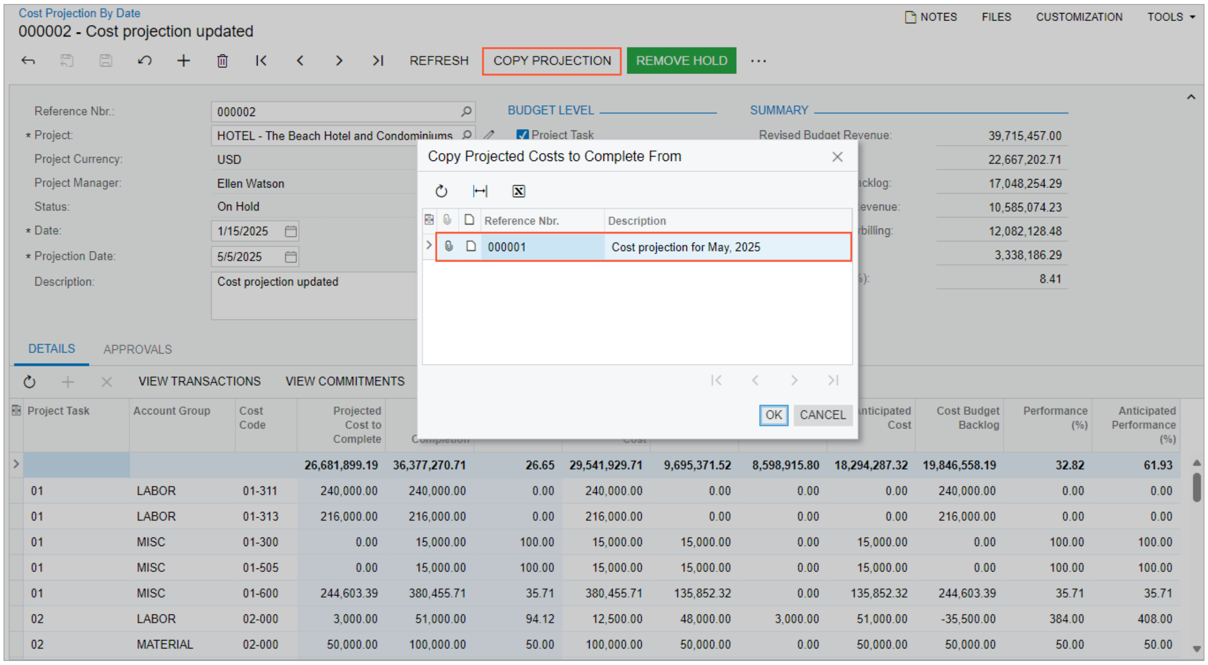


Figure: Creation of a cost projection copy

Enhanced Project Analytics

To get more detailed information and analytics, the user clicks **View Finance Chart** on the table toolbar of the *Cost Projection by Date* (PM305500) form. The system opens the new *Project Financial Vision* (PM405000) form (shown below) with the information for the line that had been selected in the table of the *Cost Projection by Date* form.

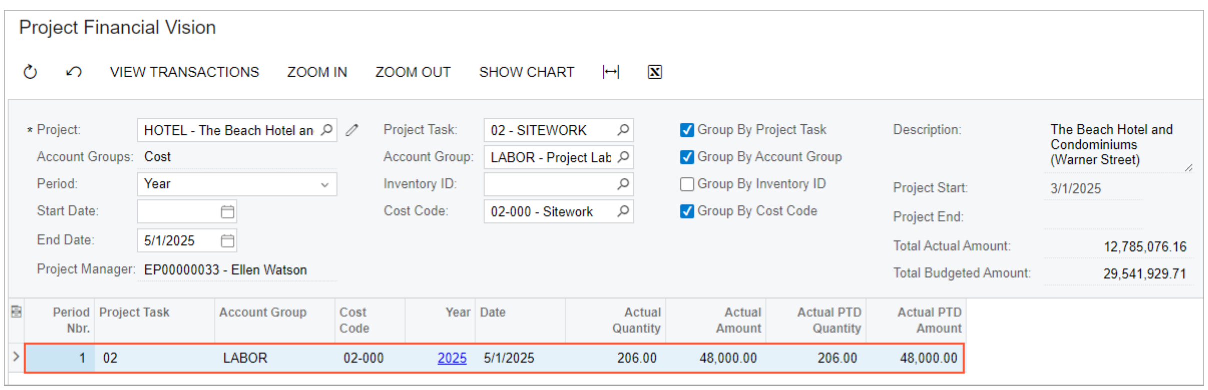


Figure: The Project Financial Vision form

On this form, a user has the following capabilities for analysis of the project costs and revenues and investigating anomalies in actual costs (see the screenshot below):

- Changing the selection criteria to change the scope of the information being analyzed.
- Changing the period for which the data is collected by clicking **Zoom In** and **Zoom Out** on the form toolbar, or by changing the option in the **Period** box and specifying dates in the **Start Date** and **End Date** boxes. The system filters the scope of project transactions being included in the analysis based on these dates.
- Grouping information by project task, account group, inventory ID, and cost code by selecting the respective check boxes in the Selection area (see the screenshot below).

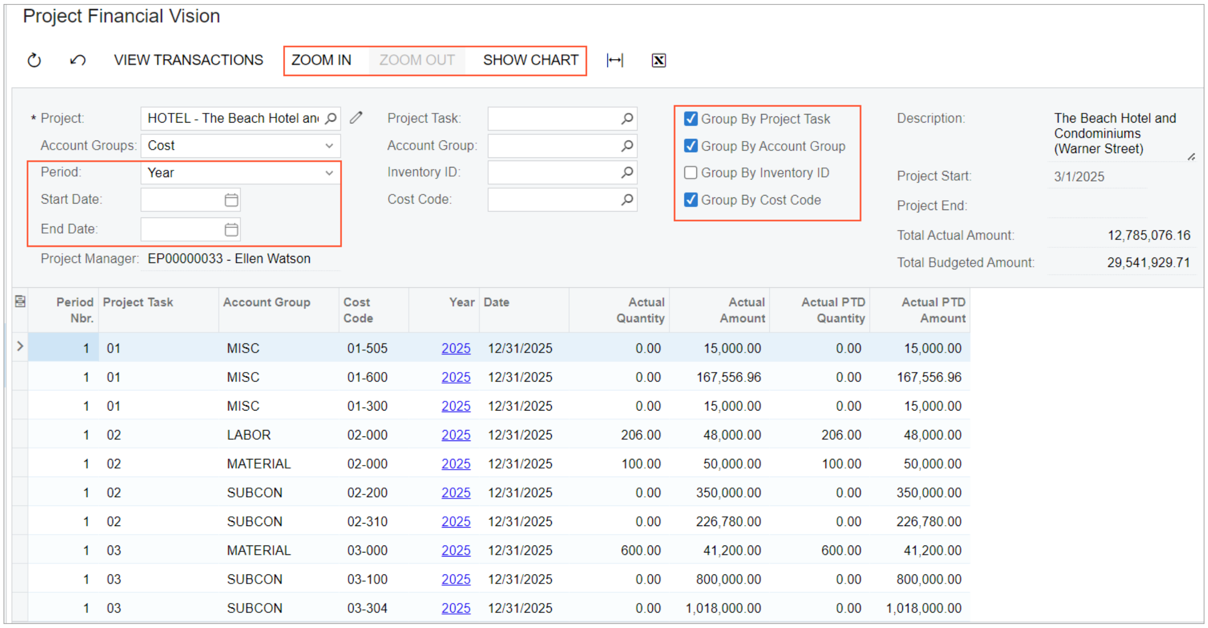


Figure: UI elements on the Project Financial Vision form

The user can also view a project dynamics chart by clicking **Show Chart** on the form toolbar (see the following screenshot).

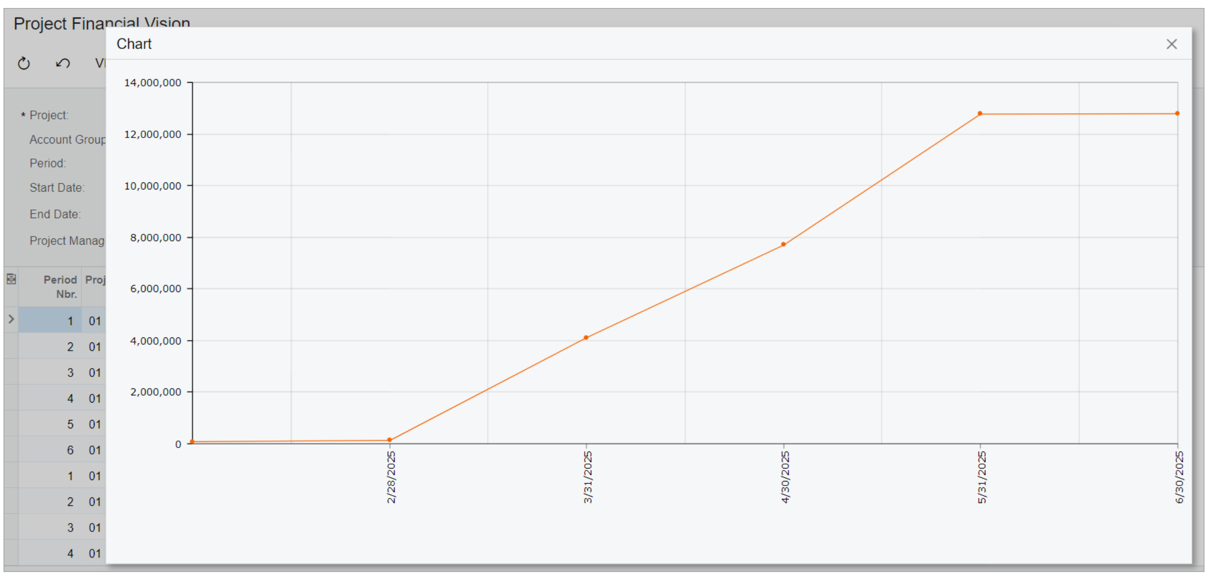


Figure: Chart prepared for the selected cost projection

Release of Cost Projections by Date

A user can release a cost projection by date on the *Cost Projection by Date* (PM305500) form regardless of its budget structure. If the cost projection structure matches the structure of the cost budget of the project, the user can also select the **Update Project Budget** check box prior to release; on release of such cost projection the system will update the **Projected Cost at Completion** values in the project cost budget for the corresponding project on the *Projects* (PM301000) form. For each projection date, only one cost projection by date can be released for each project.

> The project budget can be updated on release of the cost projection if there is no released cost projection whose projection date is later than the projection date of the cost projection being released.

The user can then prepare *Project WIP* (PM651500) and *Project WIP Detail* (PM652500) reports with the **Planned Cost Estimation** parameter set to *By Cost Projection* to use the amounts from the last released cost projection for calculations.

Other Enhancements

On the *Cost Projections by Date Report* (PMGI3055) inquiry form, users can review the list of released cost projections for all projects. For each project, the table shows a cost projection by date with the latest projection date until the date that is specified in the **Actual to Date** box, as shown in the following screenshot.

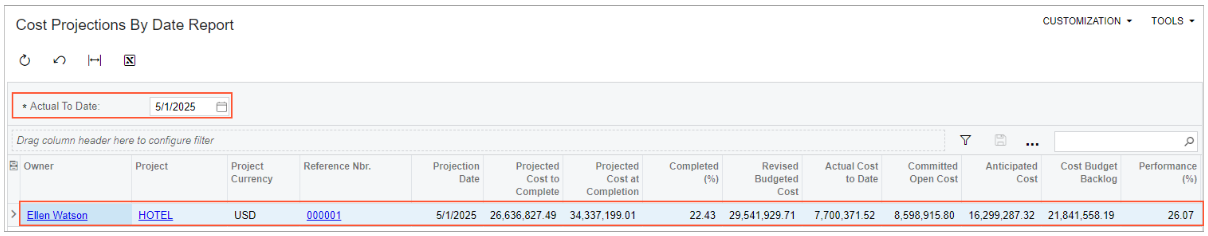


Figure: The Cost Projections by Date Report inquiry form

Upgrade Notes

After an upgrade to Acumatica ERP Construction Edition 2025 R1, the system will notify users that the recalculation of project balances is required for the existing projects. For more information, see *Post-Upgrade Changes and Actions*.

Projects and Construction: Improvements to AR and AP Reports

In Acumatica ERP 2025 R1, improvements have been made to multiple AR and AP reports and inquiry forms to improve their usability for construction companies. The following sections describe the changes to the UI of the report forms used to run reports and to the generated reports.

Changes to the Reports on AR Documents

The following changes have been made to the *AR Documents by Customer* (AR634000) and *AR Documents by Project* (AR634100) reports:

- The reports previously named *AR Open Documents by Customer* and *AR Open Documents by Project* have been renamed to *AR Documents by Customer* (AR634000) and *AR Documents by Project* (AR634100), respectively. These names reflect the reports' content more precisely. The following changes have been made to both report forms:
  - On the **Report Parameters** tab, the *Open and Closed Documents* option (Item 1 in the screenshots below) has been added to the **Format** box to show both open and closed documents.
  - In the **Format** box, the *Detailed* option has been renamed to *Open Documents*.
  - On the **Report Parameters** tab, the **Project Manager** box (Item 2) and the **Show Active Projects Only** check box (Item 3) have been added. By using these UI elements, users can review data for only active projects and for a specific project manager, which will help them focus on relevant results.

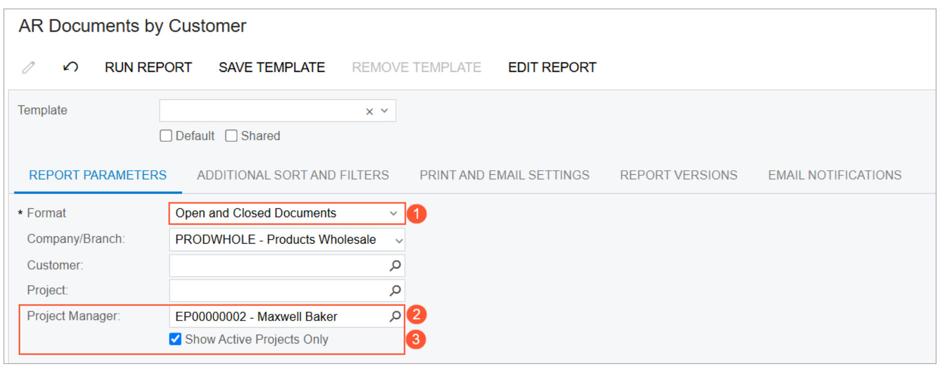


Figure: The AR Documents by Customer report form

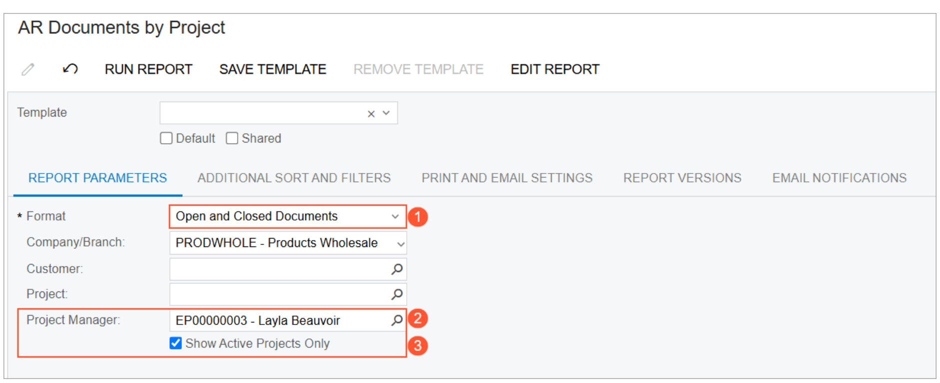


Figure: The AR Documents by Project report form

In both generated reports, the following changes have been made:

- Totals have been added to the following columns: **Total Amount**, **Original Retainage**, and **Paid/Adjusted**.

- Projects are now sorted alphabetically.

The following screenshot illustrates the *AR Documents by Customer* report run for Maxwell Baker's open and closed documents and including only active projects.

AR Documents by Customer (Open and Closed)

Company/Branch: PRODWHOLE
Show Active Projects Only
Project Manager: Maxwell Baker

Page: 1 of 1
Date: 1/9/2025 5:07 AM
User: admin admin

Customer		Customer Account Name										
UPWARDMOBI		Upwardmobility										
Project		**Description**										
FIXEDP06		Fixed Price Project - milestone by completed hours										
Ref. Nbr.	**Doc. Type**	**Customer Ref. /Payment Ref.**	**Doc Date**	**Due Date**	**Status**	**Description**	**Total Amount**	**Original Retainage**	**Paid/Adjusted**	**Total Balance**	**Unreleased Retainage**	**Net Balance**
AR005933	Invoice		6/14/2018	6/21/2018	Closed	Milestone billing for project -	1,500.00	0.00	1,500.00	0.00	0.00	0.00
						Project Totals:	**1,500.00**	**0.00**	**1,500.00**	**0.00**	**0.00**	**0.00**
						Customer Totals:	**1,500.00**	**0.00**	**1,500.00**	**0.00**	**0.00**	**0.00**
VIDEOCITY		Texas Video City										
Project		**Description**										
FIXEDP05		Fixed Price Project - milestones recorded by project manager										
Ref. Nbr.	**Doc. Type**	**Customer Ref. /Payment Ref.**	**Doc Date**	**Due Date**	**Status**	**Description**	**Total Amount**	**Original Retainage**	**Paid/Adjusted**	**Total Balance**	**Unreleased Retainage**	**Net Balance**
AR005932	Invoice		6/14/2018	7/14/2018	Closed	Milestone billing for project -	1,000.00	0.00	1,000.00	0.00	0.00	0.00
						Project Totals:	**1,000.00**	**0.00**	**1,000.00**	**0.00**	**0.00**	**0.00**
						Customer Totals:	**1,000.00**	**0.00**	**1,000.00**	**0.00**	**0.00**	**0.00**
						Company Totals:	**2,500.00**	**0.00**	**2,500.00**	**0.00**	**0.00**	**0.00**

Figure: The AR Documents by Customer report

The following screenshot illustrates the *AR Documents by Project* report run for open and closed documents and including active projects only.

AR Documents by Project (Open and Closed)

Company/Branch: PRODWHOLE
Show Active Projects Only

Page: 27 of 267
Date: 1/9/2025 5:17 AM
User: admin admin

Project		Description										
AR010408	Invoice		12/1/2021	12/31/2021	Closed	Contract Activation	7,000.00	0.00	7,000.00	0.00	0.00	0.00
AR011606	Invoice		11/30/2022	12/30/2022	Closed	Contract Renewal	7,000.00	0.00	7,000.00	0.00	0.00	0.00
AR012908	Invoice		11/30/2023	12/30/2023	Closed	Contract Renewal	7,000.00	0.00	7,000.00	0.00	0.00	0.00
						Customer Totals:	**21,000.00**	**0.00**	**21,000.00**	**0.00**	**0.00**	**0.00**
						Project Totals:	**21,000.00**	**0.00**	**21,000.00**	**0.00**	**0.00**	**0.00**
CT00000710		Software contract, licensed software										
Customer		**Customer Account Name**										
MARINAGOLF		Marina Golf Club										
Ref. Nbr.	**Doc. Type**	**Customer Ref. /Payment Ref.**	**Doc Date**	**Due Date**	**Status**	**Description**	**Total Amount**	**Original Retainage**	**Paid/Adjusted**	**Total Balance**	**Unreleased Retainage**	**Net Balance**
AR010948	Invoice		5/1/2022	5/31/2022	Closed	Contract Activation	16,800.00	0.00	16,800.00	0.00	0.00	0.00
AR012180	Invoice		4/30/2023	5/30/2023	Closed	Contract Renewal	2,800.00	0.00	2,800.00	0.00	0.00	0.00
AR013435	Invoice		4/30/2024	5/30/2024	Closed	Contract Renewal	2,800.00	0.00	2,800.00	0.00	0.00	0.00
						Customer Totals:	**22,400.00**	**0.00**	**22,400.00**	**0.00**	**0.00**	**0.00**
						Project Totals:	**22,400.00**	**0.00**	**22,400.00**	**0.00**	**0.00**	**0.00**
CT00000715		Software contract, SaaS										
Customer		**Customer Account Name**										
BORDERSHOP		Borders Books, Music & Cafe										
Ref. Nbr.	**Doc. Type**	**Customer Ref. /Payment Ref.**	**Doc Date**	**Due Date**	**Status**	**Description**	**Total Amount**	**Original Retainage**	**Paid/Adjusted**	**Total Balance**	**Unreleased Retainage**	**Net Balance**
AR011274	Invoice		8/1/2022	8/31/2022	Closed	Contract Activation	7,000.00	0.00	7,000.00	0.00	0.00	0.00
AR012476	Invoice		7/1/2023	7/31/2023	Closed	Contract Renewal	7,000.00	0.00	7,000.00	0.00	0.00	0.00
AR013754	Invoice		7/31/2024	8/30/2024	Closed	Contract Renewal	7,000.00	0.00	7,000.00	0.00	0.00	0.00
						Customer Totals:	**21,000.00**	**0.00**	**21,000.00**	**0.00**	**0.00**	**0.00**
						Project Totals:	**21,000.00**	**0.00**	**21,000.00**	**0.00**	**0.00**	**0.00**
CT00000716		Software contract, SaaS										
Customer		**Customer Account Name**										
LASERWORKS		LaserWorks										
Ref. Nbr.	**Doc. Type**	**Customer Ref. /Payment Ref.**	**Doc Date**	**Due Date**	**Status**	**Description**	**Total Amount**	**Original Retainage**	**Paid/Adjusted**	**Total Balance**	**Unreleased Retainage**	**Net Balance**
AR011275	Invoice		8/1/2022	8/31/2022	Closed	Contract Activation	7,910.00	0.00	7,910.00	0.00	0.00	0.00
AR012477	Invoice		7/1/2023	7/31/2023	Closed	Contract Renewal	7,910.00	0.00	7,910.00	0.00	0.00	0.00
AR013755	Invoice		7/31/2024	8/30/2024	Closed	Contract Renewal	7,910.00	0.00	7,910.00	0.00	0.00	0.00
						Customer Totals:	**23,730.00**	**0.00**	**23,730.00**	**0.00**	**0.00**	**0.00**

Figure: The AR Documents by Project report

Changes to the Reports on AP Documents

The following changes have been introduced in the *AP Documents by Vendor* (AP634000) and *AP Documents by Project* (AP634100) reports and report forms:

- The reports previously named *AP Open Documents by Vendor* and *AP Open Documents by Project* have been renamed to *AP Documents by Vendor* (AP634000) and *AP Documents by Project* (AP634100), respectively. These names reflect the reports' content more precisely. The following changes have been made to both report forms:

- On the **Report Parameters** tab, the *Open and Closed Documents* option (see Item 1 in the screenshots below) has been added to the **Format** box to show both open and closed documents.
- In the **Format** box, the *Detailed* option has been renamed to *Open Documents*.
- On the **Report Parameters** tab, the **Project Manager** box (Item 2) and the **Show Active Projects Only** check box (Item 3) have been added. By using these UI elements, users can review data for only active projects and for a specific project manager, which will help them focus on relevant results.

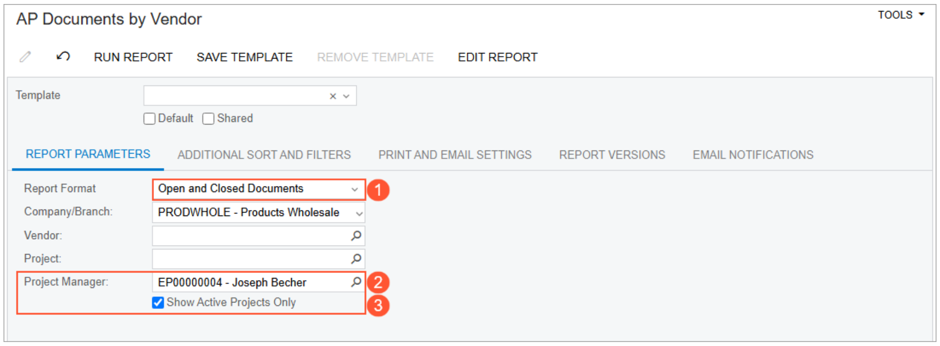


Figure: The AP Documents by Vendor report form

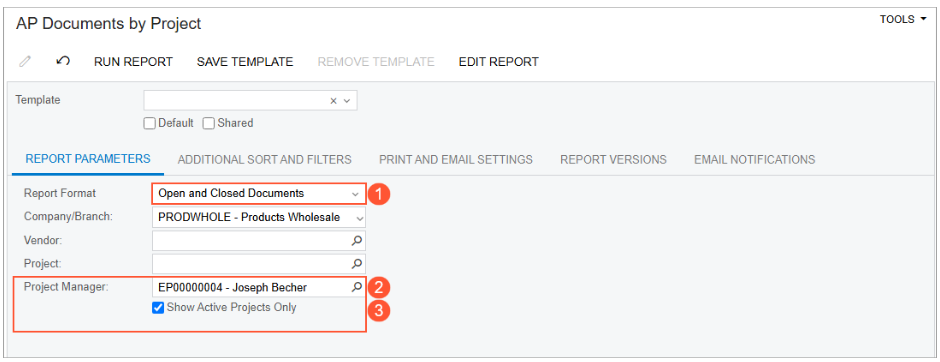


Figure: The AP Documents by Project report form

In both of the generated reports, the following changes have been made:

- Totals have been added to the following columns: **Total Amount**, **Original Retainage**, and **Paid/Adjusted**.
- Projects are now sorted alphabetically.

The following screenshot illustrates the *AP Documents by Vendor* report run for Maxwell Baker's open and closed documents and including only active projects.

AP Documents by Vendor (Open and Closed)
Company/Branch: PRODWHOLE
Show Active Projects Only
Project Manager: Maxwell Baker
Page: 1 of 1
Date: 1/9/2025 6:15 AM
User: admin admin

Ref. Nbr.	Doc. Type	Vendor Ref./ Payment Ref.	Doc Date	Due Date	Status	Description	Total Amount	Original Retainage	Paid/Adjusted	Total Balance	Unreleased Retainage	Net Balance
Vendor: AAVENDOR		**Vendor Account Name:** Goto Vendor Inc										
Project: INTERNAL21		**Description:** Internal projects 2021 - track expenses										
002825	Bill	312312	3/16/2021	4/15/2021	Closed		300.00	0.00	300.00	0.00	0.00	0.00
						Project Totals:	**300.00**	**0.00**	**300.00**	**0.00**	**0.00**	**0.00**
						Vendor Totals:	**300.00**	**0.00**	**300.00**	**0.00**	**0.00**	**0.00**
Vendor: EP00000002		**Vendor Account Name:** Maxwell Baker										
Project: INTERNAL21		**Description:** Internal projects 2021 - track expenses										
002036	Cash Purchase	EX000096	1/18/2022		Closed	On site training	909.84		909.84	0.00		0.00
						Project Totals:	**909.84**	**0.00**	**909.84**	**0.00**	**0.00**	**0.00**
Project: INTERNAL22		**Description:** Internal projects 2022 - track expenses										
002257	Cash Purchase	EX000105	10/1/2022		Closed	Training expenses	1,287.46		1,287.46	0.00		0.00
						Project Totals:	**1,287.46**	**0.00**	**1,287.46**	**0.00**	**0.00**	**0.00**
Project: INTERNAL23		**Description:** Internal projects 2023 - track expenses										
002482	Cash Purchase	EX000115	8/2/2023		Closed	Training expenses	1,287.46		1,287.46	0.00		0.00
002506	Cash Purchase	EX000116	9/1/2023		Closed	Deliver on-site training	1,065.52		1,065.52	0.00		0.00
						Project Totals:	**2,352.98**	**0.00**	**2,352.98**	**0.00**	**0.00**	**0.00**
						Vendor Totals:	**4,550.28**	**0.00**	**4,550.28**	**0.00**	**0.00**	**0.00**
						Company Totals:	**4,850.28**	**0.00**	**4,850.28**	**0.00**	**0.00**	**0.00**

Figure: The AP Documents by Vendor report

The following screenshot illustrates the *AP Documents by Project* report run for open and closed documents and including active projects only.

AP Documents by Project (Open and Closed)
Company/Branch: PRODWHOLE
Show Active Projects Only
Page: 6 of 129
Date: 1/9/2025 6:20 AM
User: admin admin

Ref. Nbr.	Doc. Type	Vendor Ref./ Payment Ref.	Doc Date	Due Date	Status	Description	Total Amount	Original Retainage	Paid/Adjusted	Total Balance	Unreleased Retainage	Net Balance
Project: CSTRHBCUS		**Description:** Flagler Custom Home - Custom Home										
Vendor: WESTSIDE		**Vendor Account Name:** Westside Disposal										
002400	Bill	83246	11/30/2020	12/30/2020	Open	Dumpsters	8,600.00	430.00	8,170.00	430.00	430.00	0.00
						Vendor Totals:	**8,600.00**	**430.00**	**8,170.00**	**430.00**	**430.00**	**0.00**
						Project Totals:	**1,277,196.50**	**55,657.18**	**1,221,539.32**	**55,657.18**	**55,657.18**	**0.00**
Project: CSTRHOTEL		**Description:** The Beach Hotel and Condos - Progress										
Vendor: BCPHCO		**Vendor Account Name:** BC Phillips Company										
002408	Bill	34521	11/25/2020	12/25/2020	Open	Lumber for interior walls	31,165.00	1,558.25	29,606.75	1,558.25	1,558.25	0.00
						Vendor Totals:	**31,165.00**	**1,558.25**	**29,606.75**	**1,558.25**	**1,558.25**	**0.00**
Vendor: CORNERCONC		**Vendor Account Name:** Cornerstone Concrete										
002410	Bill	42454	9/25/2020	10/25/2020	Open	Concrete Sub	5,290,000.00	264,500.00	5,025,500.00	264,500.00	264,500.00	0.00
						Vendor Totals:	**5,290,000.00**	**264,500.00**	**5,025,500.00**	**264,500.00**	**264,500.00**	**0.00**
Vendor: CRANECO		**Vendor Account Name:** The Crane Company										
002412	Bill	54634	8/10/2020	9/9/2020	Closed	Crane Rental	942,000.00	0.00	942,000.00	0.00	0.00	0.00
						Vendor Totals:	**942,000.00**	**0.00**	**942,000.00**	**0.00**	**0.00**	**0.00**
Vendor: DBROWN		**Vendor Account Name:** Doug Brown & Brothers Inc										
002370	Bill	Aug2020	7/15/2020	8/14/2020	Closed	Bonding insurance for Aug 2020	31,667.00	0.00	31,667.00	0.00	0.00	0.00
002371	Bill	Sep2020	8/15/2020	9/14/2020	Closed	Bonding insurance for Sep 2020	31,667.00	0.00	31,667.00	0.00	0.00	0.00
002372	Bill	Oct2020	9/15/2020	10/15/2020	Closed	Bonding insurance for Oct 2020	31,667.00	0.00	31,667.00	0.00	0.00	0.00
002373	Bill	Nov2020	10/15/2020	11/14/2020	Closed	Bonding insurance for Nov 2020	31,667.00	0.00	31,667.00	0.00	0.00	0.00
002374	Bill	Dec2020	11/15/2020	12/15/2020	Closed	Bonding insurance for Dec 2020	31,667.00	0.00	31,667.00	0.00	0.00	0.00
002375	Bill	Jan2021	12/15/2020	1/14/2021	Closed	Bonding insurance for Jan 2021	31,667.00	0.00	31,667.00	0.00	0.00	0.00
002376	Bill	Feb2021	1/15/2021	2/14/2021	Closed	Bonding insurance for Feb 2021	31,667.00	0.00	31,667.00	0.00	0.00	0.00
002377	Bill	Mar2021	2/15/2021	3/17/2021	Closed	Bonding insurance for Mar 2021	31,667.00	0.00	31,667.00	0.00	0.00	0.00
002378	Bill	Apr2021	3/15/2021	4/14/2021	Closed	Bonding insurance for Apr 2021	31,667.00	0.00	31,667.00	0.00	0.00	0.00
002379	Bill	May2021	4/15/2021	5/15/2021	Closed	Bonding insurance for May 2021	31,667.00	0.00	31,667.00	0.00	0.00	0.00
002380	Bill	Jun2021	5/15/2021	6/14/2021	Closed	Bonding insurance for Jun 2021	31,667.00	0.00	31,667.00	0.00	0.00	0.00

Figure: The AP Documents by Project report

Changes to the Retainage Register Reports

The following changes have been introduced in the *AR Retainage Register* (AR634500) and *AP Retainage Register* (AP634500) reports:

- The new **Non-Retain. Paid** column has been added to the generated reports. This column shows the amount paid for the non-retainage part of the original document.
- Projects are now sorted alphabetically.

The following screenshot illustrates the *AR Retainage Register* report.

AR Retainage Register

Company/Branch: PRODWHOLE	From Period: 01-2013	Page:	1 of 3
User: admin admin	To Period: 01-2025	Date:	1/9/2025 6:28 AM

Project — **Description**

CSTRDEV — **Palm Estates - Developer Project Example**

Customer — **Customer Account Name**

CARRDEV — Carr Development Inc.

Ref. Nbr.	Doc Type	Doc Date	Status	Total Amount	Non-Retain. Amount	Original Retainage	Total Balance	Non-Retain. Paid	Non-Retain. Balance	Unreleased Retainage	Unpaid Retainage	Paid Retainage	Net Balance
AR008762	Invoice	10/15/2020	Closed	697,032.61	697,032.61	0.00	0.00	697,032.61	0.00	0.00	0.00	0.00	0.00
PF00041	Invoice for Palm Estates - Developer Project												
AR008763	Invoice	11/15/2020	Closed	651,216.33	651,216.33	0.00	0.00	651,216.33	0.00	0.00	0.00	0.00	0.00
PF00042	Invoice for Palm Estates - Developer Project												
AR008764	Invoice	12/15/2020	Closed	682,615.74	682,615.74	0.00	0.00	682,615.74	0.00	0.00	0.00	0.00	0.00
PF00043	Invoice for Palm Estates - Developer Project												
AR008765	Invoice	1/15/2021	Closed	760,192.24	760,192.24	0.00	0.00	760,192.24	0.00	0.00	0.00	0.00	0.00
PF00044	Invoice for Palm Estates - Developer Project												
AR008766	Invoice	2/15/2021	Closed	769,205.59	769,205.59	0.00	0.00	769,205.59	0.00	0.00	0.00	0.00	0.00
PF00045	Invoice for Palm Estates - Developer Project												
		Customer Total:		**3,560,262.51**	**3,560,262.51**	**0.00**	**0.00**	**3,560,262.51**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**
		Project Balance:		**3,560,262.51**	**3,560,262.51**	**0.00**	**0.00**	**3,560,262.51**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

CSTRHBCUS — **Flagler Custom Home - Custom Home Project Example**

Customer — **Customer Account Name**

FLAGLER — Flagler Family Trust

Ref. Nbr.	Doc Type	Doc Date	Status	Total Amount	Non-Retain. Amount	Original Retainage	Total Balance	Non-Retain. Paid	Non-Retain. Balance	Unreleased Retainage	Unpaid Retainage	Paid Retainage	Net Balance
AR008747	Invoice	11/15/2020	Open	412,412.95	371,171.65	41,241.30	41,241.30	371,171.65	0.00	41,241.30	41,241.30	0.00	0.00
PF00021	Invoice for Flagler Custom Home - Custom Home												
AR008748	Invoice	1/15/2021	Open	480,686.95	432,618.25	48,068.70	48,068.70	432,618.25	0.00	48,068.70	48,068.70	0.00	0.00
PF00022	Invoice for Flagler Custom Home - Custom Home												
AR008749	Invoice	3/15/2021	Open	471,577.85	424,420.06	47,157.79	47,157.79	424,420.06	0.00	47,157.79	47,157.79	0.00	0.00
PF00023	Invoice for Flagler Custom Home - Custom Home												
		Customer Total:		**1,364,677.75**	**1,228,209.96**	**136,467.79**	**136,467.79**	**1,228,209.96**	**0.00**	**136,467.79**	**136,467.79**	**0.00**	**0.00**
		Project Balance:		**1,364,677.75**	**1,228,209.96**	**136,467.79**	**136,467.79**	**1,228,209.96**	**0.00**	**136,467.79**	**136,467.79**	**0.00**	**0.00**

CSTRHOTEL — **The Beach Hotel and Condos - Progress Billing Example**

Customer — **Customer Account Name**

EQUGRP — The Equity Group Investors

Figure: The AR Retainage Register report

The following screenshot illustrates the *AP Retainage Register* report.

AP Retainage Register

Company/Branch: PRODWHOLE	From Period: 01-2013	Page:	1 of 10
User: admin admin	To Period: 01-2025	Date:	1/9/2025 6:35 AM

Project — **Description**

CSTRDEV — **Palm Estates - Developer Project Example**

Vendor — **Vendor Account Name**

BCPHCO — BC Phillips Company

Ref. Nbr.	Doc Type	Doc Date	Status	Total Amount	Non-Retain. Amount	Original Retainage	Non-Retain. Balance	Non-Retain. Paid	Unpaid Retainage	Paid Retainage	AP Bill Balance	Retainage Balance	Net Balance
002450	Bill	12/28/2020	Open	271,256.00	257,693.20	13,562.80	0.00	257,693.20	13,562.80	0.00	13,562.80	13,562.80	0.00
76598	Framing												
		Vendor Total:		**271,256.00**	**257,693.20**	**13,562.80**	**0.00**	**257,693.20**	**13,562.80**	**0.00**	**13,562.80**	**13,562.80**	**0.00**

Vendor — **Vendor Account Name**

BOWMANSUR — Bowman Surveying

Ref. Nbr.	Doc Type	Doc Date	Status	Total Amount	Non-Retain. Amount	Original Retainage	Non-Retain. Balance	Non-Retain. Paid	Unpaid Retainage	Paid Retainage	AP Bill Balance	Retainage Balance	Net Balance
002445	Bill	10/29/2020	Open	3,200.00	3,040.00	160.00	0.00	3,040.00	160.00	0.00	160.00	160.00	0.00
5463456	Survey												
		Vendor Total:		**3,200.00**	**3,040.00**	**160.00**	**0.00**	**3,040.00**	**160.00**	**0.00**	**160.00**	**160.00**	**0.00**

Vendor — **Vendor Account Name**

CBSITEWORK — CB Sitework, Inc.

Ref. Nbr.	Doc Type	Doc Date	Status	Total Amount	Non-Retain. Amount	Original Retainage	Non-Retain. Balance	Non-Retain. Paid	Unpaid Retainage	Paid Retainage	AP Bill Balance	Retainage Balance	Net Balance
002448	Bill	9/15/2020	Open	63,200.00	60,040.00	3,160.00	0.00	60,040.00	3,160.00	0.00	3,160.00	3,160.00	0.00
5340345	Sitework												
		Vendor Total:		**63,200.00**	**60,040.00**	**3,160.00**	**0.00**	**60,040.00**	**3,160.00**	**0.00**	**3,160.00**	**3,160.00**	**0.00**

Vendor — **Vendor Account Name**

CLEANING — Cleaning Services Group

Ref. Nbr.	Doc Type	Doc Date	Status	Total Amount	Non-Retain. Amount	Original Retainage	Non-Retain. Balance	Non-Retain. Paid	Unpaid Retainage	Paid Retainage	AP Bill Balance	Retainage Balance	Net Balance
002446	Bill	10/2/2020	Open	6,400.00	6,080.00	320.00	0.00	6,080.00	320.00	0.00	320.00	320.00	0.00
4563	Clean up												
		Vendor Total:		**6,400.00**	**6,080.00**	**320.00**	**0.00**	**6,080.00**	**320.00**	**0.00**	**320.00**	**320.00**	**0.00**

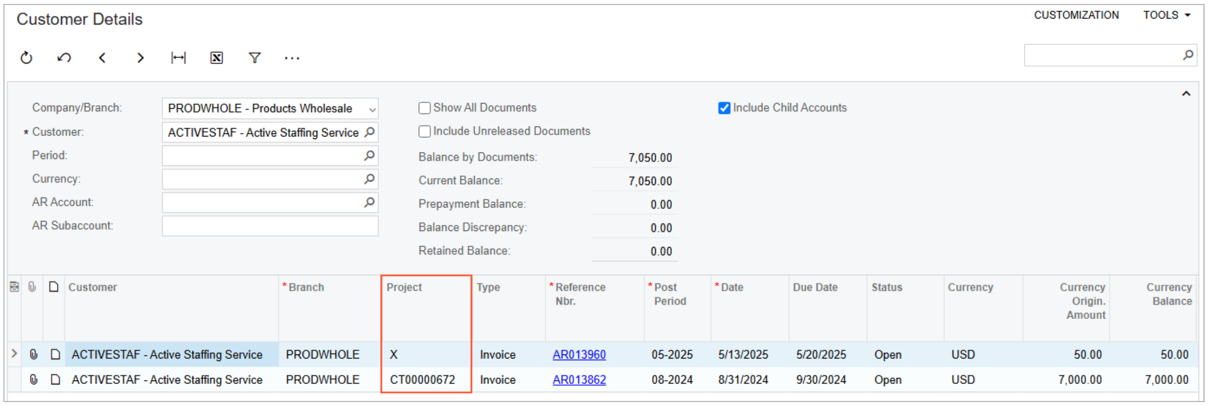
Vendor — **Vendor Account Name**

DETAILCARP — Detail Carpentry

Figure: The AP Retainage Register report

Change to the Customer Details Form

On the *Customer Details* (AR402000) inquiry form, the **Project** column has been added, as shown in the following screenshot.


Customer Details

CUSTOMIZATION TOOLS

Company/Branch: PRODWHOLE - Products Wholesale
* Customer: ACTIVESTAF - Active Staffing Service
Period:
Currency:
AR Account:
AR Subaccount:

Show All Documents
Include Unreleased Documents
Include Child Accounts

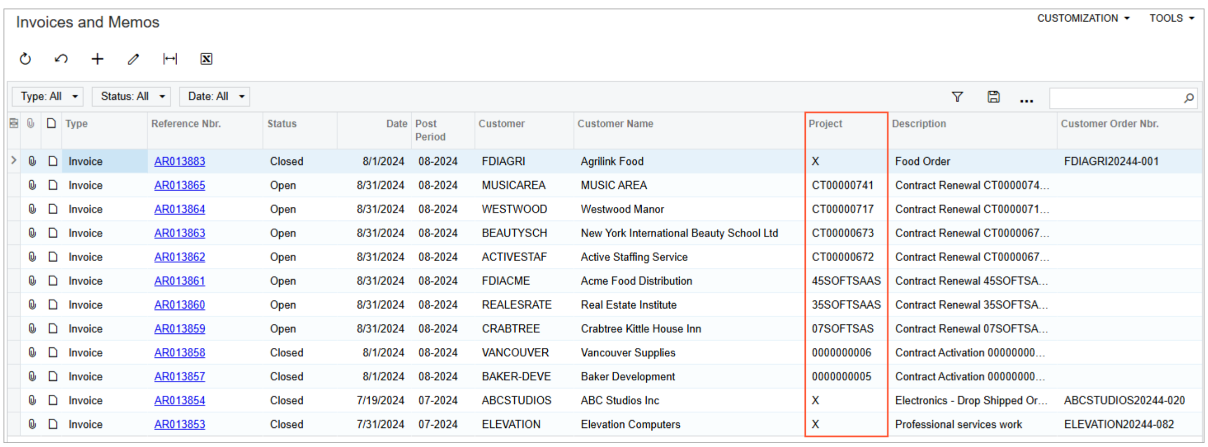
Balance by Documents: 7,050.00
Current Balance: 7,050.00
Prepayment Balance: 0.00
Balance Discrepancy: 0.00
Retained Balance: 0.00

Customer	*Branch	Project	Type	*Reference Nbr.	*Post Period	*Date	Due Date	Status	Currency	Currency Origin. Amount	Currency Balance
ACTIVESTAF - Active Staffing Service	PRODWHOLE	X	Invoice	AR013960	05-2025	5/13/2025	5/20/2025	Open	USD	50.00	50.00
ACTIVESTAF - Active Staffing Service	PRODWHOLE	CT00000672	Invoice	AR013862	08-2024	8/31/2024	9/30/2024	Open	USD	7,000.00	7,000.00

Figure: The Customer Details form

Changes to the Invoices and Memos List of Records

On the Invoices and Memos (AR3010PL) list of records, the **Project** column has been added, as shown in the following screenshot.


Invoices and Memos

CUSTOMIZATION TOOLS

Type: All Status: All Date: All

Type	Reference Nbr.	Status	Date	Post Period	Customer	Customer Name	Project	Description	Customer Order Nbr.
Invoice	AR013883	Closed	8/1/2024	08-2024	FDIAGRI	Agrilink Food	X	Food Order	FDIAGRI20244-001
Invoice	AR013865	Open	8/31/2024	08-2024	MUSICAREA	MUSIC AREA	CT00000741	Contract Renewal CT0000074...	
Invoice	AR013864	Open	8/31/2024	08-2024	WESTWOOD	Westwood Manor	CT00000717	Contract Renewal CT0000071...	
Invoice	AR013863	Open	8/31/2024	08-2024	BEAUTYSCH	New York International Beauty School Ltd	CT00000673	Contract Renewal CT0000067...	
Invoice	AR013862	Open	8/31/2024	08-2024	ACTIVESTAF	Active Staffing Service	CT00000672	Contract Renewal CT0000067...	
Invoice	AR013861	Open	8/31/2024	08-2024	FDIACME	Acme Food Distribution	45SOFTSAAS	Contract Renewal 45SOFTSA...	
Invoice	AR013860	Open	8/31/2024	08-2024	REALESRATE	Real Estate Institute	35SOFTSAAS	Contract Renewal 35SOFTSA...	
Invoice	AR013859	Open	8/31/2024	08-2024	CRABTREE	Crabtree Kittle House Inn	07SOFTSAS	Contract Renewal 07SOFTSA...	
Invoice	AR013858	Closed	8/1/2024	08-2024	VANCOUVER	Vancouver Supplies	0000000006	Contract Activation 00000000...	
Invoice	AR013857	Closed	8/1/2024	08-2024	BAKER-DEVE	Baker Development	0000000005	Contract Activation 00000000...	
Invoice	AR013854	Closed	7/19/2024	07-2024	ABCSTUDIOS	ABC Studios Inc	X	Electronics - Drop Shipped Or...	ABCSTUDIOS20244-020
Invoice	AR013853	Closed	7/31/2024	07-2024	ELEVATION	Elevation Computers	X	Professional services work	ELEVATION20244-082

Figure: The Invoices and Memos list of records

Projects and Construction: Improvements in Tracking Project Inventory

Acumatica ERP tracks the project-specific inventory information for each project that has the *Track by Project Quantity* or *Track by Project Quantity and Cost* inventory tracking method selected on the **Summary** tab of the *Projects* (PM301000) form. This tracking is available if the *Project-Specific Inventory* feature is enabled on the *Enable/ Disable Features* (CS100000) form.

Side Panels for Tracking Project Inventory

In Acumatica ERP 2025 R1, the following side panel tabs has been added on the *Projects* form:

- **Current Project Inventory**: This tab of the side panel (shown below) displays the project inventory information for the project that is currently selected on the *Projects* form.

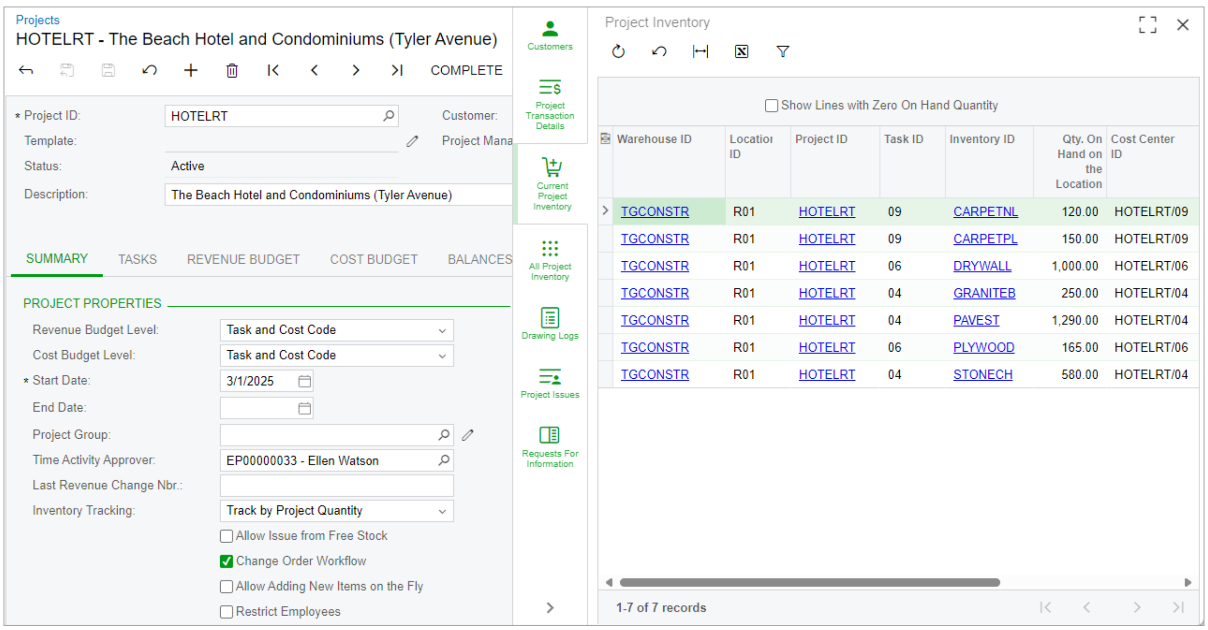


Figure: The Current Project Inventory tab of the side panel

- **All Project Inventory**: This tab of the side panel (shown below) displays the project inventory information for all projects that are configured for project-specific inventory tracking.

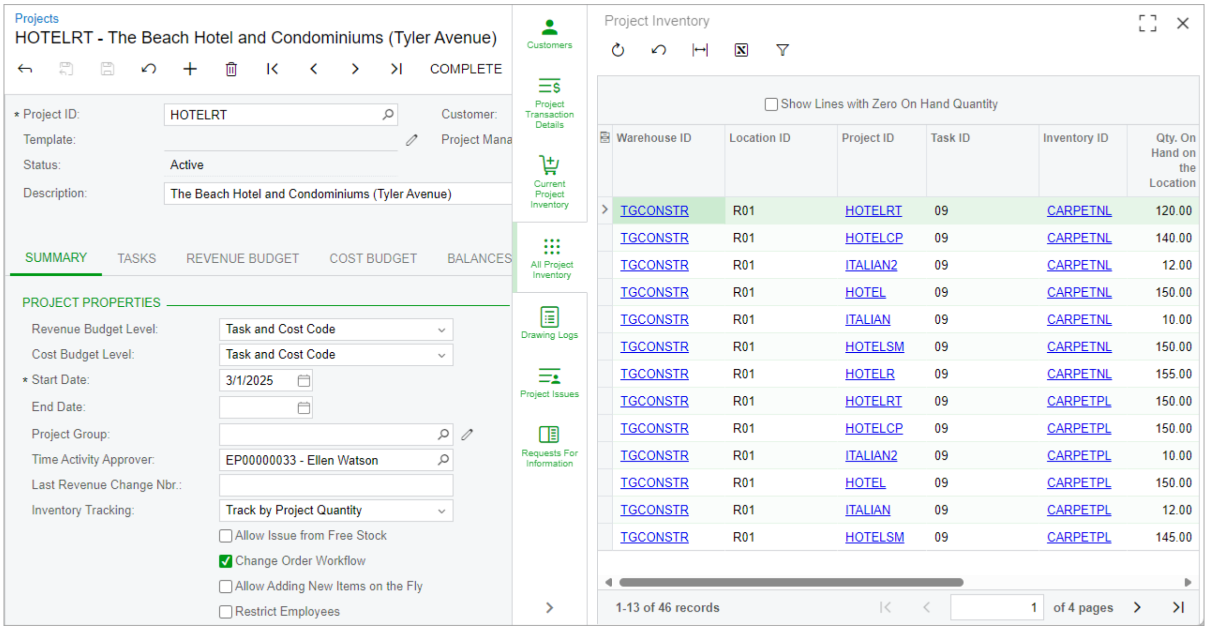


Figure: The All Project Inventory tab of the side panel

Both tabs are available if the *Project-Specific Inventory* feature is enabled on the *Enable/Disable Features* form. By using these tabs, users can easily get information about the inventory items that are available for a particular project or reserved for all projects so they can plan the usage of materials for projects and the needed project purchases.

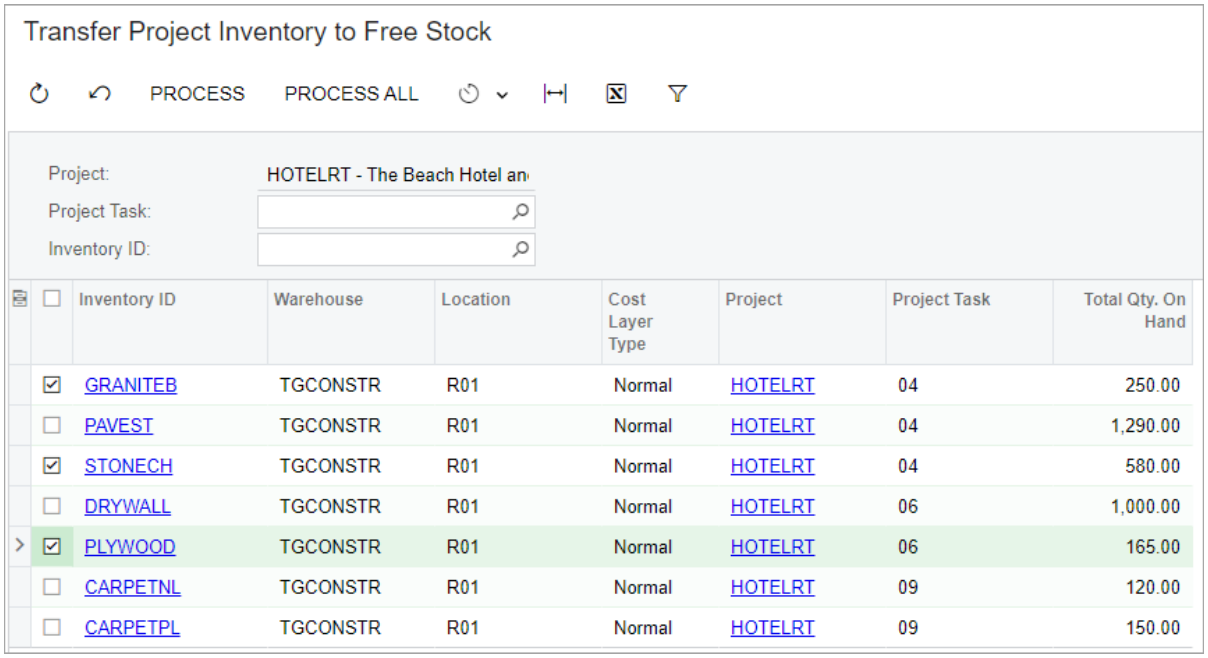
By default, the tables on both tabs show only lines with nonzero quantities. To also see the inventory that has already been consumed for the project, a user selects the **Show Lines with Zero On Hand Quantity** check box in the Selection area of the tab. The system will show lines with zero quantities in the table on a tab as well.

Transfer of the Project Stock to Free Stock

When a project is finished, some project inventory may still be left unused in the project-specific cost layer. In Acumatica ERP 2025 R1, users now have the ability to quickly transfer all the leftover material back to the free stock.

On the *Projects* (PM301000) form, the **Transfer Inventory to Free Stock** command has been added to the More menu. The command is available for the projects that have the *Track by Project Quantity* or *Track by Project Quantity and Cost* inventory tracking mode.

When a user clicks the command, the system opens the new *Transfer Project Inventory to Free Stock (PM508000)* mass-processing form, shown in the screenshot below. On this form, the user selects the unlabeled check boxes in the lines with the project-related stock items that have a nonzero quantity on hand. The user then clicks **Process** to run mass-processing. The system creates and releases inventory transfer transactions on the *Transfers* (IN304000) form that will move the stock from the project cost layer to the normal cost layer of the same warehouse and warehouse location.



Transfer Project Inventory to Free Stock

PROCESS PROCESS ALL

Project: HOTELRT - The Beach Hotel an

Project Task:

Inventory ID:

	Inventory ID	Warehouse	Location	Cost Layer Type	Project	Project Task	Total Qty. On Hand
☑	GRANITEB	TGCONSTR	R01	Normal	HOTELRT	04	250.00
☐	PAVEST	TGCONSTR	R01	Normal	HOTELRT	04	1,290.00
☑	STONECH	TGCONSTR	R01	Normal	HOTELRT	04	580.00
☐	DRYWALL	TGCONSTR	R01	Normal	HOTELRT	06	1,000.00
☑	PLYWOOD	TGCONSTR	R01	Normal	HOTELRT	06	165.00
☐	CARPETNL	TGCONSTR	R01	Normal	HOTELRT	09	120.00
☐	CARPETPL	TGCONSTR	R01	Normal	HOTELRT	09	150.00

Figure: The new mass-processing form

Projects and Construction: Improvements to the Creation of Final Lien Waivers

A final lien waiver is a legal document used in the construction industry when the entire construction job or delivery is finished and final payment has been made. Once an accountant considers the received payment to be final for the scope of the lien waiver, the corresponding lien waiver should be marked as the final one.

In Acumatica ERP Construction Edition 2025 R1, the lien waiver functionality has been extended. Now users can mass-mark lien waivers as final; this capability is available on two forms so that each user can decide which way they find more convenient.

Changes to the Compliance Management Form

A user responsible for lien waiver processing can now finalize lien waivers directly on the *Compliance Management* (CL401000) form. For this purpose, the **Set as Final** button has been added on the form toolbar (see the following screenshot).

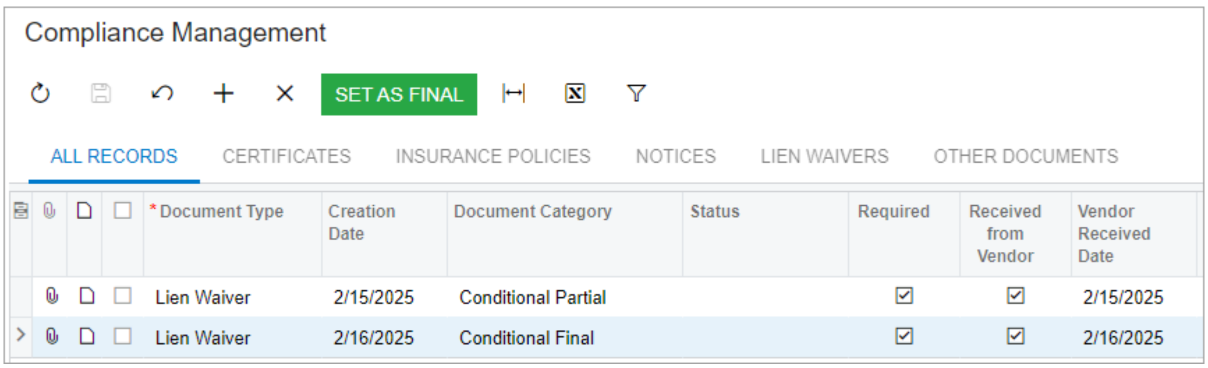


Figure: The Set as Final button

To mark a particular lien waiver or multiple line waivers as the final ones, the user selects the unlabeled check box in the needed rows and clicks this button. The system verifies that the selected lien waivers can be marked as final; that is, it ensures that no other final lien waiver exists for the group of lien waivers.

> The system groups the payment amounts to each conditional or unconditional lien waiver and generates lien waivers based on the option selected in the **Calculate Amount By** boxes on the **Lien Waiver Settings** tab of the *Compliance Preferences* (CL301000) form. For more information, see *Lien Waivers: General Information*.

Then the system changes the lien waiver type in the **Document Category** column as follows:

- *Conditional Partial* to *Conditional Final*
- *Unconditional Partial* to *Unconditional Final*

Mass-Processing of Final Lien Waivers

On the *Print/Email Lien Waivers* (CL502000) form, the *Set as Final* option has been added to the **Action** box, as shown in the screenshot below. Now a user can mass-mark lien waivers as the final ones. On the form, the user selects the *Set as Final* action and selects the unlabeled check boxes in the rows of the lien waivers to be marked as final. Then the user clicks **Process** on the form toolbar.

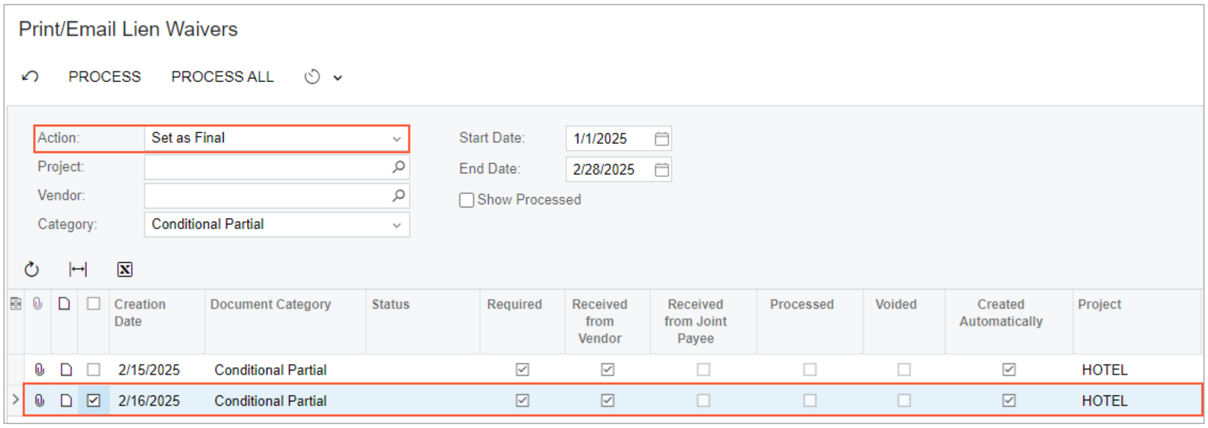


Figure: Mass-marking of the final lien waivers

Also, on the *Print/Email Lien Waivers* form, the **Subcontract Total**, **PO Total**, and **PO Number** columns have been added. Users can configure filters based on these columns to quickly select lien waivers that are ready to be set as the final ones.

Projects and Construction: Improvements to the Construction Bonding Report

In the construction industry, management uses construction bonding reports to determine the financial health of projects. Acumatica ERP Construction Edition includes the *Construction Bonding Report* (PM650500) report, which is specifically designed to give a wide-angle snapshot of all the projects in the system and helps users to analyze how much has actually been billed for the project compared to the percentage of the project completion.

In Acumatica ERP 2025 R1, the construction bonding report has been revised and enhanced, as described in the sections below.

Changes to Report Parameters

On the *Construction Bonding Report* (PM650500) report form, the report parameters (see the screenshot below) have been changed as follows:

- The **Use Cost Projection** check box has been removed.
- The **Planned Cost Estimation** box has been added. This parameter specifies the source of the costs that the system will use to calculate the report values. The following options are available:
  - *By Cost Budget* (default): The system will use the revised budgeted amounts of the cost budget lines for calculations.
  - *By Cost Projection*: The system will use the amounts from the last released cost projection for calculations.

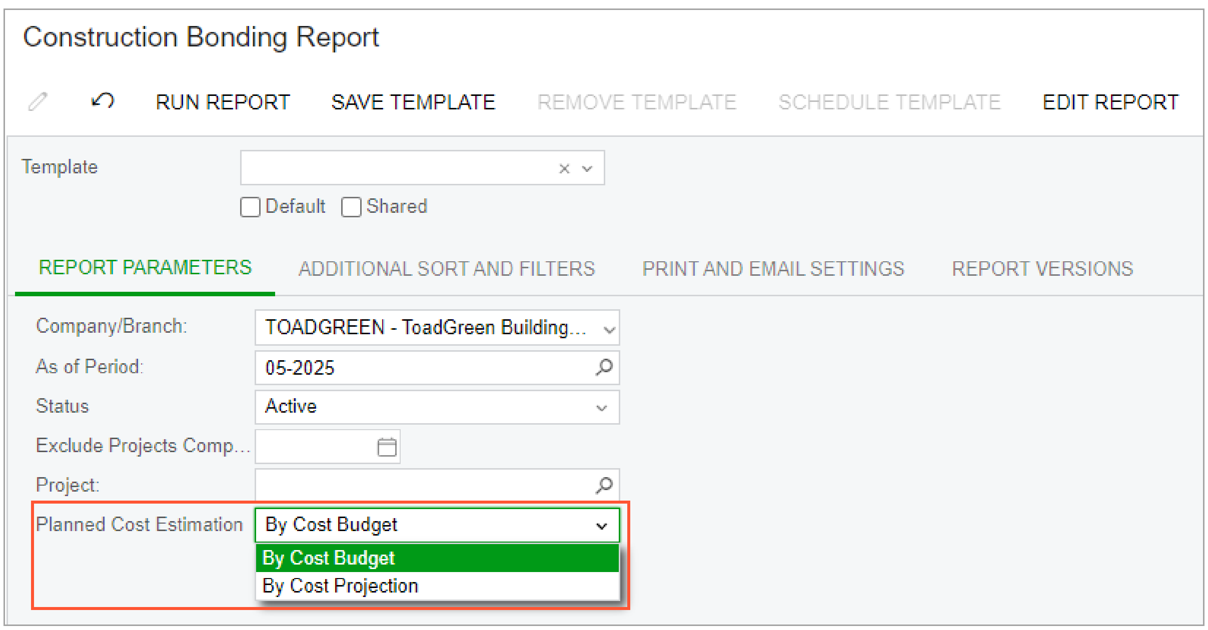


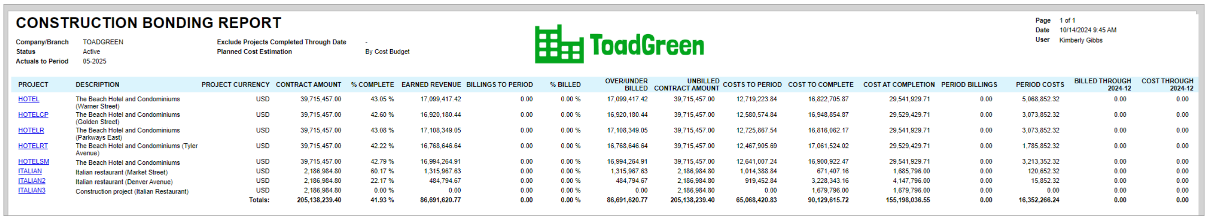
Figure: The new report parameter

Changes to the Report Layout

The following columns have been renamed in the printed report:

- **Revenue Recognized** to **Earned Revenue**
- **Billed to Date** to **Billings to Period**
- **Cost to Date** to **Costs to Period**

The following screenshot shows the layout of the prepared report.


CONSTRUCTION BONDING REPORT

Company/Branch TOADGREEN
Status Active
Actuals to Period 05-2025

Exclude Projects Completed Through Date -
Planned Cost Estimation By Cost Budget

Page 1 of 1
Date 10/14/2024 9:45 AM
User Kimberly Gibbs

PROJECT	DESCRIPTION	PROJECT CURRENCY	CONTRACT AMOUNT	% COMPLETE	EARNED REVENUE	BILLINGS TO PERIOD	% BILLED	OVER/UNDER BILLED
HOTEL	The Beach Hotel and Condominiums (Warner Street)	USD	39,715,457.00	43.05 %	17,099,417.42	0.00	0.00 %	17,099,417.42
HOTELCP	The Beach Hotel and Condominiums (Golden Street)	USD	39,715,457.00	42.60 %	16,920,180.44	0.00	0.00 %	16,920,180.44
HOTELR	The Beach Hotel and Condominiums (Parkways East)	USD	39,715,457.00	43.08 %	17,108,349.05	0.00	0.00 %	17,108,349.05
HOTELRT	The Beach Hotel and Condominiums (Tyler Avenue)	USD	39,715,457.00	42.22 %	16,768,646.64	0.00	0.00 %	16,768,646.64
HOTELSM	The Beach Hotel and Condominiums	USD	39,715,457.00	42.79 %	16,994,264.91	0.00	0.00 %	16,994,264.91
ITALIAN	Italian restaurant (Market Street)	USD	2,186,984.80	60.17 %	1,315,967.63	0.00	0.00 %	1,315,967.63
ITALIAN2	Italian restaurant (Denver Avenue)	USD	2,186,984.80	22.17 %	484,794.67	0.00	0.00 %	484,794.67
ITALIAN3	Construction project (Italian Restaurant)	USD	2,186,984.80	0.00 %	0.00	0.00	0.00 %	0.00
		Totals:	**205,138,239.40**	**41.93 %**	**86,691,620.77**	**0.00**	**0.00 %**	**86,691,620.77**

PROJECT	UNBILLED CONTRACT AMOUNT	COSTS TO PERIOD	COST TO COMPLETE	COST AT COMPLETION	PERIOD BILLINGS	PERIOD COSTS	BILLED THROUGH 2024-12	COST THROUGH 2024-12
HOTEL	39,715,457.00	12,719,223.84	16,822,705.87	29,541,929.71	0.00	5,068,852.32	0.00	0.00
HOTELCP	39,715,457.00	12,580,574.84	16,948,854.87	29,529,429.71	0.00	3,073,852.32	0.00	0.00
HOTELR	39,715,457.00	12,725,867.54	16,816,062.17	29,541,929.71	0.00	3,073,852.32	0.00	0.00
HOTELRT	39,715,457.00	12,467,905.69	17,061,524.02	29,529,429.71	0.00	1,785,852.32	0.00	0.00
HOTELSM	39,715,457.00	12,641,007.24	16,900,922.47	29,541,929.71	0.00	3,213,352.32	0.00	0.00
ITALIAN	2,186,984.80	1,014,388.84	671,407.16	1,685,796.00	0.00	120,652.32	0.00	0.00
ITALIAN2	2,186,984.80	919,452.84	3,228,343.16	4,147,796.00	0.00	15,852.32	0.00	0.00
ITALIAN3	2,186,984.80	0.00	1,679,796.00	1,679,796.00	0.00	0.00	0.00	0.00
Totals:	**205,138,239.40**	**65,068,420.83**	**90,129,615.72**	**155,198,036.55**	**0.00**	**16,352,266.24**	**0.00**	**0.00**

Figure: The updated report layout

Changes to Report Calculations

The following table summarizes the changes that have been made to the calculation of some values in the report.

Column	Formula	Comments
Contract Amount	The system now uses the following formula: `Contract Amount = SUM of Original Budgeted Amount values + SUM of CO Revenue Budget Change Total values`. In the formula, `SUM` is the sum of the respective amounts in the revenue budget.	The values in the **Contract Amount** column now include the amounts of the change orders that have been released prior to and within the period specified in the **As of Period** report parameter.
Cost to Complete	The system calculates the value by using the following formula: `Cost to Complete = Cost at Completion - Costs to Period`.	
Projected Cost to Complete	The system calculates the value by using the following formulas: • If there is no released cost projection for the period: `Projected Cost to Complete = Cost to Complete` • If there is a released cost projection for the period: `Projected Cost to Complete = SUM of Projected Cost to Complete`, where `SUM` is the sum of the respective amounts in the cost budget	

Column	Formula	Comments
Cost at Completion	The system calculates the value by using the following formula: `Cost at Completion = SUM of Original Budgeted Amount values + SUM of CO Cost Budget Change Total values`. In the formula, `SUM` is the sum of the respective amounts in the cost budget.	
Projected Cost at Completion	The system calculates the value by using the following formulas: • If there is no released cost projection for the period: `Projected Cost at Completion = Cost at Completion` • If there is a released cost projection for the period: `Projected Cost at Completion = SUM of Projected Cost at Completion`, where `SUM` is the sum of the respective amounts in the cost budget	
Complete %	The system calculates the value by using the following formulas: • If the report is prepared with *By Cost Budget* selected in the **Planned Cost Estimation** box: `Complete % = Cost to Period / Cost at Completion * 100%` • If the report is prepared with *By Cost Projection* selected in the **Planned Cost Estimation** box: `Complete % = Cost to Period / Projected Cost at Completion * 100%`	In both cases, if the calculated value exceeds 100%, **% Complete** is set to *100*.

Column	Formula	Comments
Period Billings	The turnover revenue amount for the specified period, which the system calculates by using the following formula: `Period Billings = SUM (Amount)` In this formula, `SUM (Amount)` is the total amount of project transactions of this project with the *AR* type on the *Project Transactions* (PM304000) form that have been released within the period specified in the **As of Period** report parameter.	The project transactions that originate from AR invoices and debit memos increase the calculated amount; the project transactions that originate from AR credit memos decrease the calculated amount.
Billings to Period	The billed amount of the project, which the system calculates by using the following formula: `Billings to Period = SUM of Amount values`. In this formula, `SUM of Amount values` is the sum of the relevant project transactions with the *AR* type on the *Project Transactions* (PM304000) form that have been released prior to and within the period specified in the **As of Period** report parameter.	The project transactions that originate from AR invoices and debit memos increase the calculated amount; the project transactions that originate from AR credit memos decrease the calculated amount.

Projects and Construction: Improvements to the Subcontract Audit Report

In the construction industry, management uses subcontract audit reports to ensure accuracy in subcontract billing and verify that the performed work aligns with contract terms. These reports help managers to identify potential risks, track costs, and maintain accountability throughout the construction project lifecycle. For this purpose, Acumatica ERP Construction Edition includes the *Subcontract Audit* (SC644000) report. The printed report lists subcontract balances and related documents that have affected these balances (change orders, bills, and payments).

In Acumatica ERP 2025 R1, the layout of the report has been revised, and the report has been enhanced with new parameters, as described in the sections below.

Changes to Report Parameters

On the *Subcontract Audit* (SC644000) report form, the following report parameters (see the screenshot below) have been added:

- The **Project Status** box: This parameter filters the projects whose subcontracts will be listed in the report by the statuses of the projects. The default value is *All*, which means that projects with all statuses are included. A user can select any other parameter option (*Active*, *Completed*, *Canceled*, or *Suspended*) to include only the projects with the selected status.
- The **Subcontract Status** box: This parameter filters the subcontracts that will be included in the report. The default value is *Open*, which means that subcontracts with open statuses are included. A user can select any other parameter option (*All*, *Closed*, *Open and Closed*, or *Pending Approval*) to include only the subcontracts with the selected status in the report.
- The **Report Date** box: By default, this box is empty, which means that the report is prepared for the current business date. The user can select a date to prepare the report for this date.
- The **Include Pending CO in Revised Subcontract Amounts** check box: The user can select whether to include the change orders that have the *Open*, *On Hold*, and *Pending Approval* statuses in the revised subcontract amounts (if the check box is selected) or exclude them (if the check box is cleared).

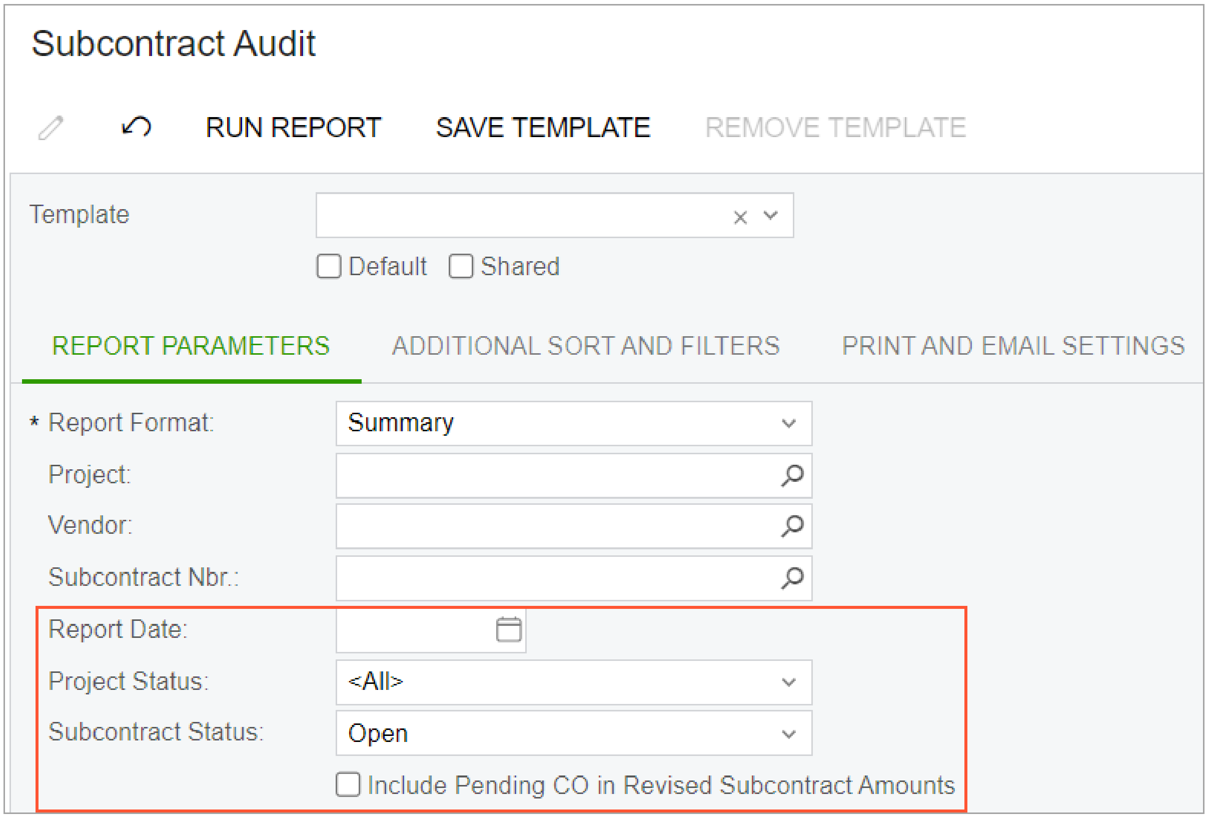


Figure: The new report parameters

Changes to the Report Layout

The following changes have been made in the printed report (shown in the following screenshot):

- The report header has been reworked to provide detailed information about the report parameters that have been used for preparing the report.
- The **Invoices** table has been renamed to **Bills**. In this table, two new columns, **Original Retainage** and **Released Retainage**, have been added. The **Unreleased Retainage** column has been removed from the table.
- The **Payments** table has been renamed to **Applied Payments**. In this table, the **Original Invoice** column has been added to simplify reconciliation.
- The **Unapplied Payments** table has been added to the report. A user can review this table to make sure that all unapplied payments for subcontracts have been recorded.

Subcontract Audit Summary

Project:		Project Status:	<All>	Company:	Company
Vendor:		Subcontract Status:	<All>	Date:	1/8/2025 1:19 PM
Subcontract Nbr.:		Include Pending CO:	Yes	User:	Ellen Watson
Report Date:	3/15/2025				

Subcontract	Date	Status	Project	Vendor	Amount	Retainage
SC-000009	3/11/2025	Closed	HOTEL - The Beach Hotel and Condominiums (Warner Street)	HOMEDEP - Bellevue Home Depot	2,090,000.00	0.00

Bills

* The released retainage amount is calculated regardless of the report date.

** The total released retainage of the bill is distributed between the bill lines proportionally to the retainage amount of these lines and does not depend on the report date.

Ref. Nbr.	Vendor Ref.	Doc. Type	Date	Status	Description	Amount	Original Retainage	Released Retainage	Net Billed to Date
000103		Bill	3/11/2025	Closed	Electricity works and elevators	2,090,000.00	0.00	0.00	2,090,000.00
					Total Billed to Date	2,090,000.00	0.00	0.00	2,090,000.00
					Unbilled Subcontract	0.00			

Budgeted Subcontract	2,090,000.00	**Billed to Date**	2,090,000.00	**Net Billed to Date**	2,090,000.00
Approved Changes	0.00	**Unbilled Subcontract**	0.00	**Paid to Date**	0.00
Revised Subcontract	2,090,000.00	**Unreleased Retainage**	0.00	**Outstanding Balance**	2,090,000.00

Figure: The updated layout of the report

Projects and Construction: Project Quotes in the Mobile App

A project quote in Acumatica ERP is a document that is used to estimate the revenue and costs of a potential project; it can also be used to create this project if the customer agrees to the terms of the quote. Previously, the project quote functionality was not supported in the Acumatica mobile app connected to an instance of prior versions of Acumatica ERP. In the mobile app, the users were not able to create project quotes or review the complete details of existing project quotes that were submitted for approval.

Starting in Acumatica ERP 2025 R1, the Acumatica mobile app includes the *Project Quotes* screen, which fully supports all the capabilities of the *Project Quotes* (PM304500) form in the web version.

New Project Quotes Screen

A user can now perform the following operations with project quotes and related documents in mobile app:

- Create a project quote from scratch
- Create a project quote based on an opportunity
- Select a project template in a project quote
- Edit project quotes
- Convert project quotes to projects
- Approve project quotes on the *Approvals* screen (if the *Approval Workflow* feature is in use and an approval map is configured for project quotes)

The following screenshot shows a project quote that has been created in the Acumatica mobile app based on an opportunity and is ready to be converted to a project.

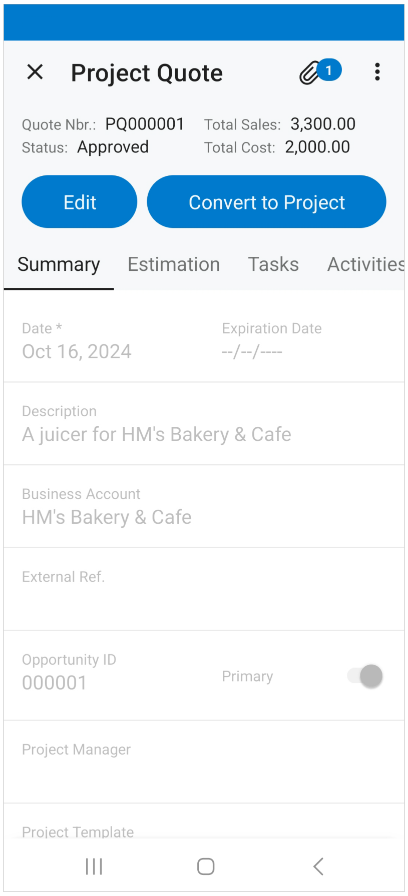


Figure: Project quote in the mobile app

For more information about the project quote workflow, see the *Processing Project Quotes* chapter.

Known Limitations

In the Acumatica mobile app, a user cannot create a project quote based on an opportunity if this opportunity includes user-defined fields that are required. To create a project quote from this opportunity, the user should use the web version.

Projects and Construction: Usage of Free Stock for Projects with Project-Specific Inventory

A project uses the project-specific inventory if it has the *Track by Project Quantity* or *Track by Project Quantity and Cost* inventory tracking mode selected on the **Summary** tab of the *Projects* (PM301000) form. In previous versions of Acumatica ERP, users were able to directly issue materials for a project that uses the project-specific inventory only if the items were on hand for the project cost layer of the exact project and project task. If the materials were on hand but not allocated for the project (that is, the materials were in free stock), a user had to process an inventory transfer from the free stock to the project stock first.

> ⚠ Projects that use the project-specific inventory are available if the *Project-Specific Inventory* feature is enabled on the *Enable/Disable Features* (CS100000) form.

In Acumatica ERP 2025 R1, the functionality related to project-specific stock has been enhanced. Now users can issue free stock for projects with the project-specific inventory without processing manual inventory transactions. The system automatically performs the needed transfer operations and generates the corresponding inventory transactions.

Changes to the Project-Related Forms

For the projects that have the *Track by Project Quantity* or *Track by Project Quantity and Cost* inventory tracking mode selected on the **Summary** tab of the *Projects* (PM301000) form, a user now can specify whether free stock items can be issued for these projects. On the same tab, the **Allow Issue from Free Stock** check box is now available (see the following screenshot).

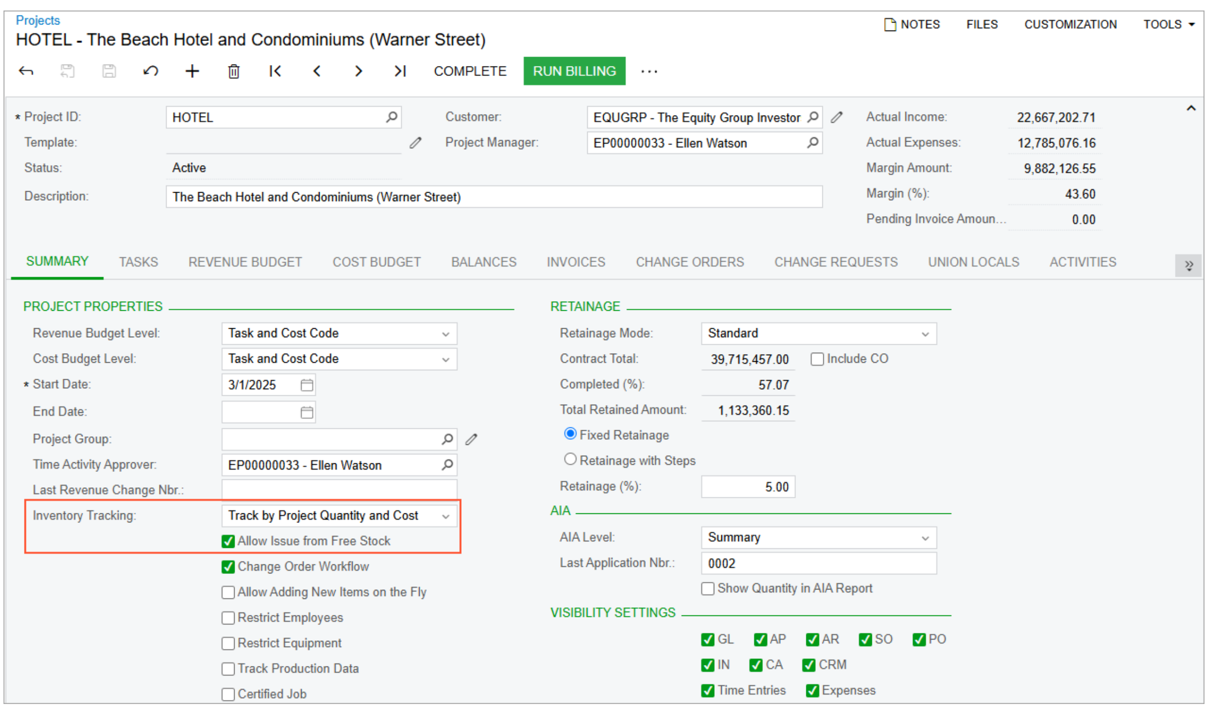


Figure: The new check box in the project settings

The user selects this check box for a particular project to allow the issuing of the stock that is not allocated to any project in the project-related documents that are created on the *Issues* (IN302000), *Sales Orders* (SO301000), *Materials* (AM300000), and *Vendor Shipments* (AM310000) forms.

Also, to provide users the capability to quickly create projects that allow the issuing of free stock, the **Allow Issue from Free Stock** check box has been added on the **Summary** tab of the *Project Templates* (PM208000) form.

Changes to Inventory and Order Management Forms

For stock items, a user can now specify the default source that the system will insert in the document lines that are associated with the projects that use the *Track by Project Quantity* or *Track by Project Quantity and Cost* inventory tracking mode.

For this purpose, on the **Inventory Planning** tab of the *Stock Items* (IN202500) form, the **Default Inventory Source for Projects** box has been added (see the screenshot below). For each stock item, a user can define the default source from which the system will issue the items on the *Sales Orders* (SO301000), *Materials* (AM300000), and *Vendor Shipments* (AM310000) forms.

The following options are available in the box:

- *Project Stock*: The system will issue the items from the project-specific layer by default.
- *Free Stock*: The system will issue the items that are not allocated to any projects by default.

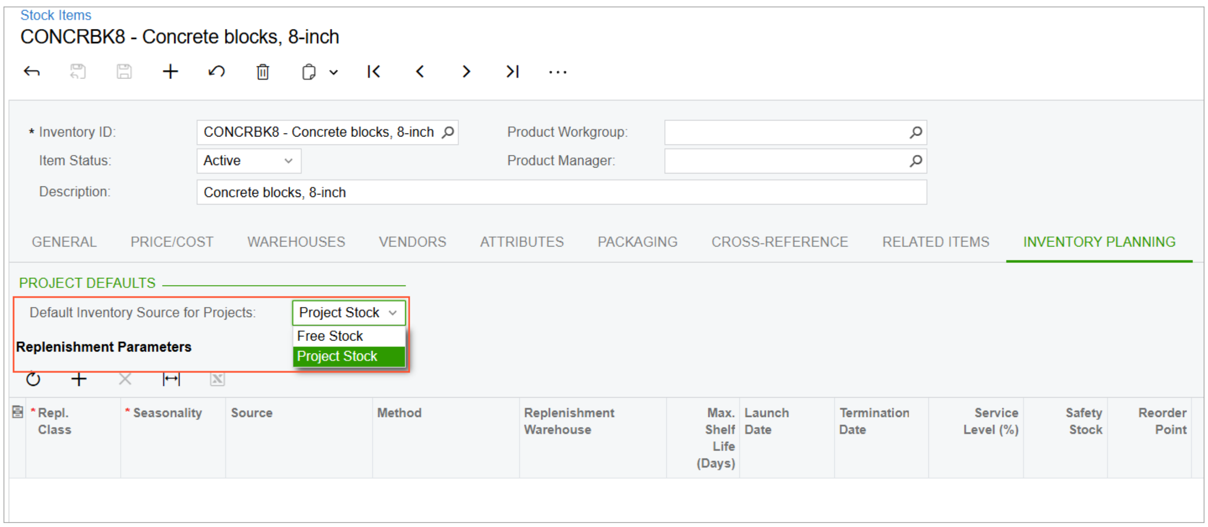


Figure: Stock item settings

The **Inventory Source** column has been added on the **Details** tab of the following forms:

- *Sales Orders* (SO301000)
- *Receipts* (IN301000)
- *Issues* (IN302000)
- *Adjustments* (IN303000)

The option selected in this column (*Project Stock* or *Free Stock*) specifies from which source the items will be issued. The items can be issued from the free stock in sales orders and inventory issues only if the **Allow Issue from Free Stock** check box is selected for the project specified in the document line.

The **Cost Layer Type** column has been preserved for backward compatibility; now the column is hidden by default on the **Details** tab of the listed forms and cannot be edited. The value in this column is specified based on the combination of the inventory source selected in the line and the inventory tracking mode selected in the corresponding project.

On the *Transfers* (IN304000) form, the **From Inventory Source** and **To Inventory Source** columns have been added on the **Details** tab. In these columns, the user specifies the original source and the destination source for the inventory transfer transactions.

> The **Cost Layer Type** and **To Cost Layer Type** columns have been preserved for backward compatibility; now the columns are hidden by default on the **Details** tab of the form and cannot be edited. The values in these columns are specified based on the combination of the inventory source selected in the line and the inventory tracking mode selected in the corresponding project.

On the *Sales Orders* form, a user can allocate the items for the sales order lines in which *Free Stock* is specified in the **Inventory Source** column. To do this, the user clicks **Line Details** on the table toolbar, selects the **Allocated** check box in a line, and specifies the quantity of items to be allocated.

Changes to Manufacturing Forms

For the manufacturing documents that are related to projects, the changes listed below have been made to the **Details** tab of the *Materials* (AM300000) and *Vendor Shipments* (AM310000) forms:

- The **Inventory Source** column has been added. The option specified in this column (*Project Stock* or *Free Stock*) indicates from which source the items will be issued. The items can be issued from the free stock only if the **Allow Issue from Free Stock** check box is selected for a project specified in the document line.
- The **Split** button has been added. A user can click this button if for the currently selected line, the project-specific layer has insufficient items available and the project associated with the production order selected in the line allows issue from free stock. The system will automatically create an additional line on the tab and allocate the rest of the quantity from the free stock.

Changes to the Calculation of Item Quantities in Manufacturing

The rules of calculating item quantities have been revised for the stock items that are issued from free stock for production orders integrated with projects that use project-specific inventory. These are the production orders that have the **Update Project** check box selected in the **Project** section of the **References** tab of the *Production Order Maintenance* (AM201500) form.

On the *Material Wizard 2* (AM300020) form, the *Available Qty. for Project* values are now calculated as follows:

- If a location is specified for a material in the production order details: The *Available Qty. for Project* is calculated as the total quantity of item hard available in this warehouse location.
- If no location is specified for a material in the production order details: The *Available Qty. for Project* is calculated as the total quantity of item hard available in all locations in the warehouse in which the **Production Allowed** and **Sales Allowed** check boxes are selected on the *Warehouses* (IN204000) form.

On the *Critical Materials* (AM401000) form, the **Qty. On Hand for Project** is calculated as the total quantity of the item that is on hand on the normal cost layer of the applicable warehouse locations. The applicable locations are those in which the **Production Allowed** and **Sales Allowed** check boxes are selected on the *Warehouses* form.

Retail Commerce: Depreciation of Authorize.Net

Starting in Acumatica ERP 2025 R1, the support of the Authorize.Net plug-in has been deprecated. As a result, users can no longer create new transactions with Authorize.Net. For details, see *Deprecated Support for the Authorize.Net Payment Plug-In*. We recommend that companies switch to other payment methods in the Shopify and BigCommerce stores.

If a BigCommerce store continues using Authorize.Net, an administrative user should perform the following steps to be able to import Authorize.Net payments to Acumatica ERP:

- On the **Payments** tab of the *BigCommerce Stores* (BC201000) form, map the Authorize.Net payment method to a *Cash/Check* payment method of Acumatica ERP and clear the value in the **Proc. Center ID** column (see the following screenshot).

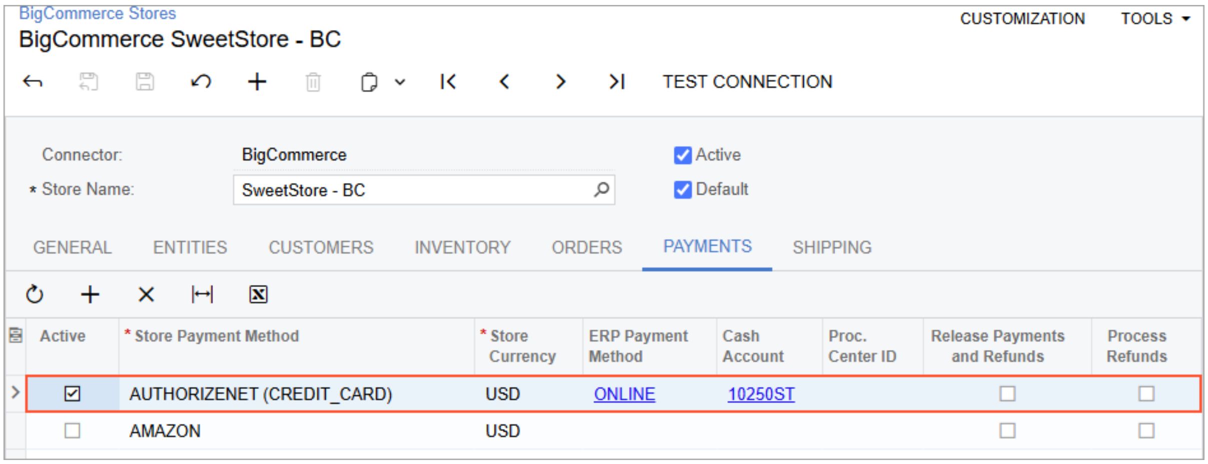


Figure: Store settings in Acumatica ERP

- Optional: In the BigCommerce store, go to the **Settings > Payments** page. On the **Authorize.Net Settings** tab, select *Authorize & Capture* in the **Transaction Type** box, as the following screenshot shows.

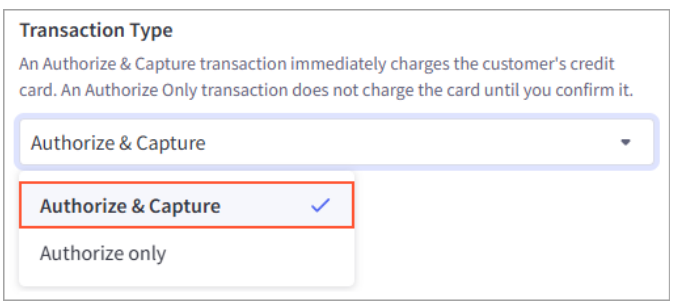


Figure: Settings of the Authorize.Net payment method in a BigCommerce store

This setting prevents the *Open* status from being assigned to a non-captured payment imported to Acumatica ERP, which is an incorrect status for a payment with unfinished processing.

With these settings, credit card payments processed with Authorize.Net in the BigCommerce store will be imported to Acumatica ERP as non-card payments. These payments can be captured, voided, or refunded only in the BigCommerce store. For more details on processing non-card payments for BigCommerce, see *Order Synchronization: Non-Card Payments*.

Refunds created for these payments will be imported as non-card refunds. For more details on processing non-card refunds for BigCommerce, see *Importing Non-Card Refunds*.

Retail Commerce: Import of Shopify Orders Without Importing Customers

In Acumatica ERP 2024 R2 and previous versions, when the *Sales Order* entity was activated for a Shopify or BigCommerce store, the activation of the *Customer* entity was required. When a new customer registered in a store and placed an order, the order was imported to Acumatica ERP along with the customer.

In Acumatica ERP 2025 R1, if users do not need to process the customer data in Acumatica ERP, they can import orders from Shopify and BigCommerce stores without importing customers using a generic guest customer instead.

Configuring the Import of Orders Without Customers

The following topics describe the configuration of the order synchronization with customers between Acumatica ERP and each of the external stores:

- Shopify: The *Minimal Configuration of Order Synchronization* section of the *Order Synchronization: General Information* topic
- BigCommerce: The *Minimal Configuration of Order Synchronization* section of the *Order Synchronization: General Information* topic

To configure the synchronization of orders without customers for the Shopify or BigCommerce store, an administrative user should perform the steps described in the topics listed above with the following differences on the *Shopify Stores* (BC201010) or *BigCommerce Stores* (BC201000) form:

- Selecting *Import* in the **Sync Direction** column for the *Sales Order* entity on the **Entities** tab.
- Skipping the activation of the *Customer* entity on the **Entities** tab. That is, the **Active** check box remains cleared for the *Customer* entity, and no steps are performed to activate the entity.
- Specifying a guest customer in the **Generic Guest Customer** box on the **Customers** tab, as the following screenshot shows for a Shopify store.

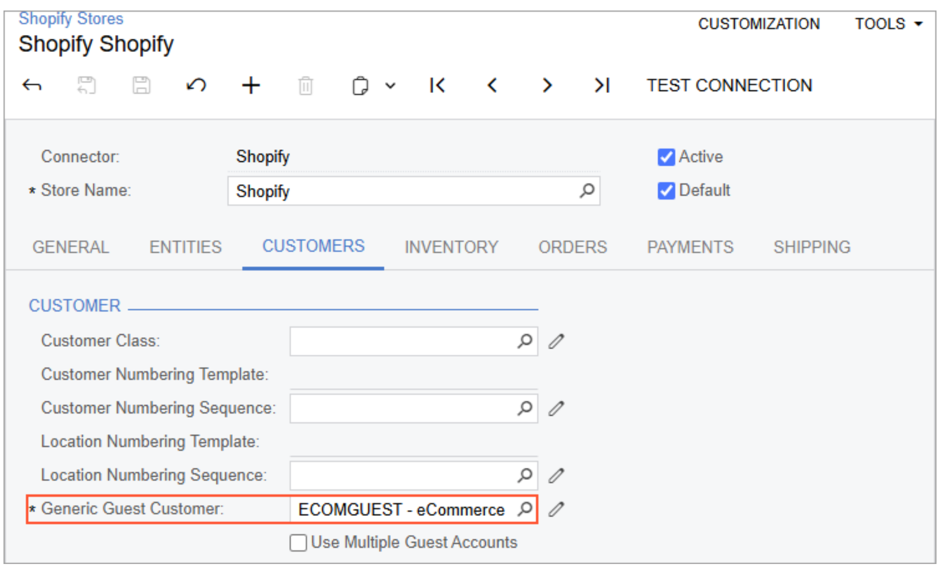


Figure: The guest customer specified for a Shopify store

When the system imports orders from the Shopify or BigCommerce store, the guest customer specified for the store is assigned as the customer for each created sales order. The system does not import customers from the store and does not create new customer records. On the **Addresses** tab of the *Sales Orders* (SO301000), the system selects the **Override Contact** and **Override Address** check boxes and fills in the ship-to and bill-to information with the corresponding customer's data from the external store.

Retail Commerce: Import of Shopify Documents in the Default Store Currency

A Shopify store can support multiple currencies, one of which is the default store currency. Users can pay their orders in a currency that is different than the default one.

In Acumatica ERP 2024 R2 and previous versions, the system imported an order and the related documents, such as payments and refunds, from a Shopify store in the currency in which the order was paid in the store.

To support the scenarios when users do not need multicurrency accounting, Acumatica ERP 2025 R1 allows administrative users to import orders and the related payments and refunds from Shopify using only the default store currency.

Importing Documents in the Default Store Currency

To make the system import documents from the Shopify store in only the default store currency, an administrative user selects the **Import in External Default Currency** check box on the **Orders** tab of the *Shopify Stores* (BC201010) form. (See the following screenshot.)

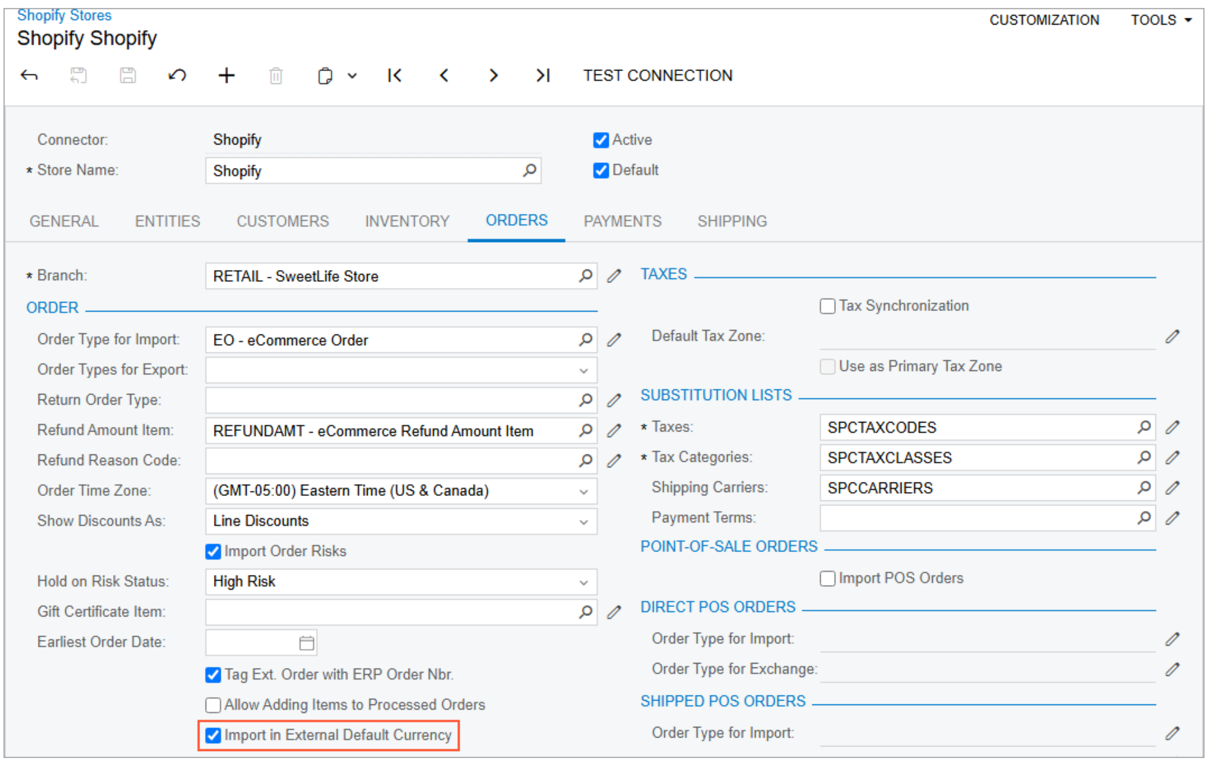


Figure: The new currency setting on the Shopify Stores form

With the check box selected, the system imports orders from the Shopify store in the default store currency even if they were paid in another currency. The system can import all the documents related to these orders as payments and refunds in the default store currency as well. To set this up, the administrative user also configures proper mappings that have the default store currency on the **Payments** tab of the *Shopify Stores* form.

The following limitations apply to the import of documents in the default store currency:

- If a Shopify order has already been imported to Acumatica ERP in a currency that is different than the default store currency before the **Import in External Default Currency** check box is selected on the **Orders** tab of the *Shopify Stores* form, all the documents related to that order will be imported in the same order currency even with the **Import in External Default Currency** check box selected for the store.

- If a credit card payment is imported to Acumatica ERP in a currency other than the one in which the customer paid in the Shopify store, the payment can be captured, voided, or refunded only in the Shopify store.

Retail Commerce: Improvements to the Mapping of Taxes for Shopify

Taxes in Shopify can have the same name but different rates, as the following screenshot shows.

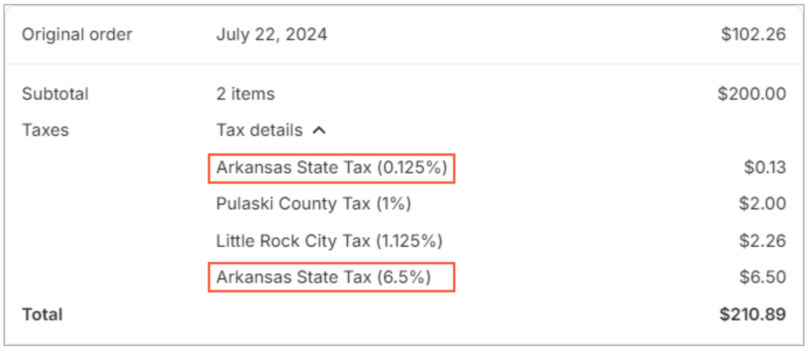


Figure: Taxes with the same name but different rates in Shopify

In Acumatica ERP 2024 R2 and previous versions, the mapping of taxes from Shopify with taxes configured in Acumatica ERP was performed by the tax name. In Acumatica ERP 2025 R1, the mapping of taxes has been improved to support the import of taxes with the same name but different rates from Shopify.

Configuring the Mapping of Taxes

To map taxes from Shopify with taxes from Acumatica ERP, an administrative user creates a substitution list on the *Substitution Lists* (SM206026) form. In the substitution list, the administrative user specifies a tax from the Shopify store in the **Original Value** column in either of the following ways (see the screenshot below):

- <*Tax Name*>: The tax name if the name is unique (for example, *Arkansas State Tax*).
- <*Tax Name*> <*Tax Rate*>: The tax name followed by the space character and the tax rate if there are multiple taxes with the same name but different rates (for example, *Arkansas State Tax 6.5%*).

  The administrative user specifies the tax rate as a decimal followed by the % character, as it is represented in the Shopify store. For example, the tax rate of 6.5% is specified as *6.5%* and the tax rate of 0.125% is specified as *0.125%*.

If a user specifies the tax name along with the tax rate for a tax with a unique name, the system still correctly processes this mapping.

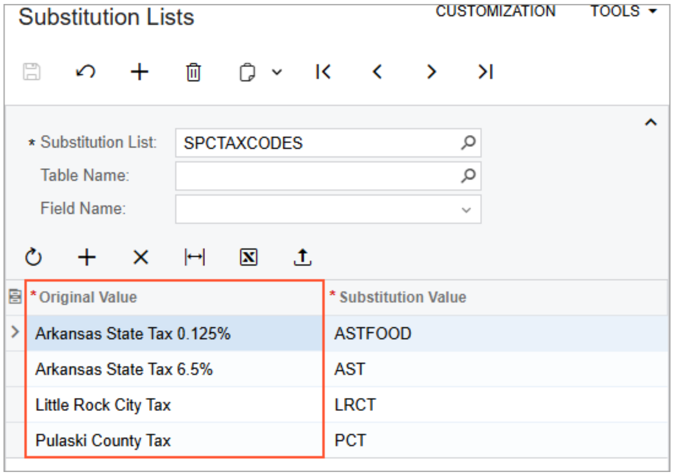


Figure: A substitution list for taxes

To use the created substitution list for the Shopify store, the administrative user specifies the substitution list in the **Taxes** box on the **Orders** tab of the *Shopify Stores* (BC201010) form. (See the following screenshot.)

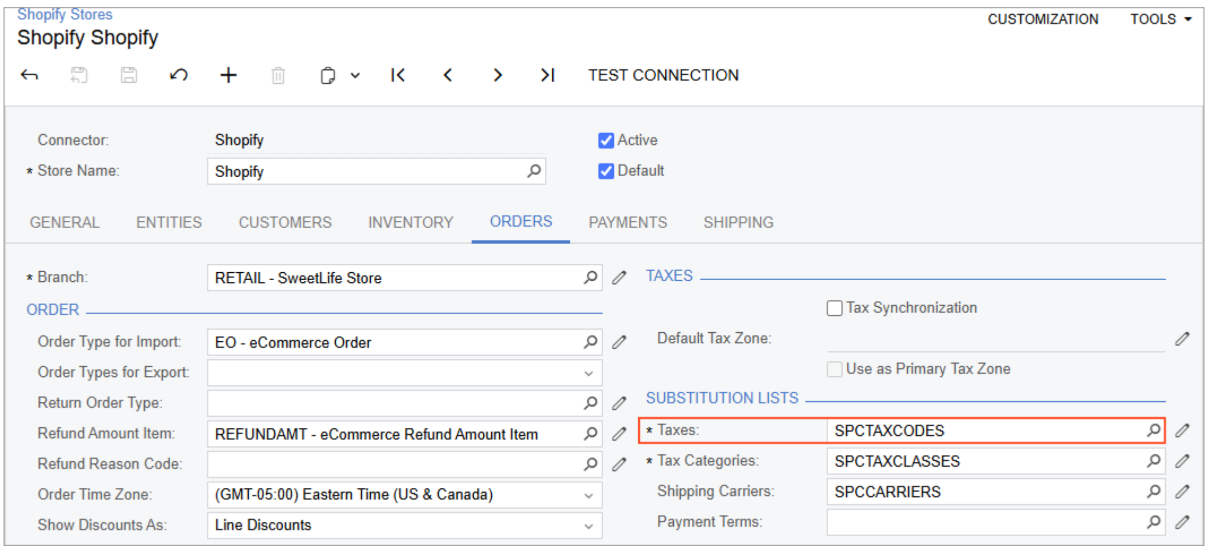


Figure: The substitution list for taxes specified for a Shopify store

Retail Commerce: Improvements to Synchronization of Price Lists with Shopify

In Acumatica ERP 2024 R2 and previous versions, during the synchronization of the *Price List* entity for a Shopify store, the system created or updated the product catalogs that corresponded to the exported price classes. The system added to each catalog all the products, including those that had no prices defined within the corresponding price class. For more information about the synchronization of price lists, see *Sales Price Lists: General Information*.

In Acumatica ERP 2025 R1, the export of price lists has been improved so that the product catalogs include only products whose prices (of the corresponding price class) were effective on the synchronization date.

Export of Sales Prices

During the synchronization of the *Price List* entity for a Shopify store, the system creates or updates the catalog that corresponds to the exporting customer price class of the *Customer Price Class* type specified on the *Sales Prices* (AR202000) form.

In the **Included** section of the catalog (see the following screenshot), the system adds all the inventory items of the price class that have sales prices effective on the date of the synchronization on the *Sales Prices* form. The rest of the products, which have been already synchronized with the Shopify store but have no effective prices within the price class, are added to the **Excluded** section. The excluded items are hidden from customers assigned to the catalog.

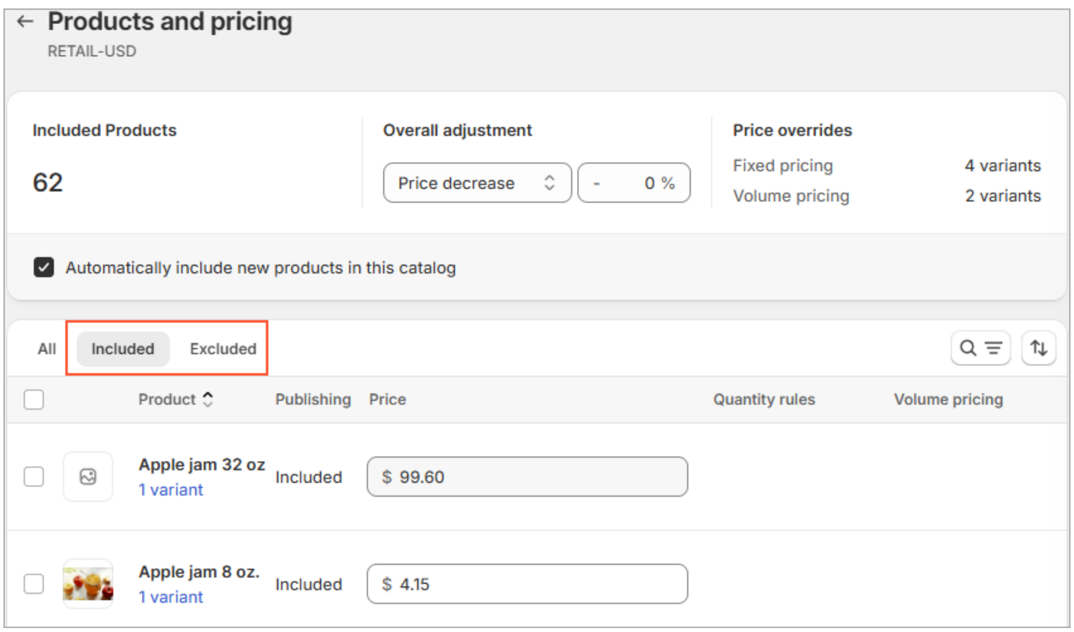


Figure: The Included and Excluded sections of a product catalog at a Shopify store

Retail Commerce: Inventory Replenishment for Amazon-Fulfilled Orders

Acumatica ERP supports the import of marketplace-fulfilled orders from Amazon stores. To fulfill these orders, merchants send *inbound shipments* with items to Amazon fulfillment centers, and Amazon uses the stock sent to handle the order fulfillment. However, items sent to Amazon fulfillment centers may be lost or damaged during shipping and receiving. As a result, the stock data in Acumatica ERP may be inaccurate and thus may not match the quantity of items received by Amazon.

To streamline inventory management and improve the accuracy of inventory stock, Acumatica ERP 2025 R1 allows the synchronization of inbound shipments sent from merchants to Amazon fulfillment centers.

Configuration of the Store

To configure the system to import inbound shipments sent to Amazon fulfillment centers, an administrative user should perform the following steps on the *Amazon Stores* (BC201020) form:

1. Activating the *Marketplace Transfer Order* and *Marketplace Transfer Receipt* entities on the **Entities** tab.
2. Specifying an order type in the **Order Type for Import** box on the **Inventory** tab (Item 1 in the screenshot below). The system will use the specified order type to create transfer orders during the import of inbound shipments. The selected order type must have the *TR - Transfer* order template specified on the *Order Types* (SO201000) form.
3. Specifying a date in the **Earliest Shipment Date** box on the **Inventory** tab (Item 2). The system will import inbound shipments from Amazon created on or after the specified date.
4. Specifying the merchant warehouse in the **Source Warehouse** box on the **Inventory** tab (Item 3). This is the warehouse from which stock items are shipped to the Amazon fulfillment center. The source warehouse must differ from the marketplace warehouse specified on the **Orders** tab for the store.
5. Specifying the warehouse that represents the Amazon fulfillment center in the **Marketplace Warehouse** box on the **Orders** tab. The merchant sends stock items to that warehouse, and Amazon fulfills the merchant's orders from the warehouse. The marketplace warehouse must differ from the source warehouse specified on the **Inventory** tab for the store.
6. Optional: Specifying a substitution list configured on the *Substitution Lists* (SM206026) form in the **Ship-Via Codes to Carriers** box on the **Inventory** tab (Item 4). The system will use this substitution list to match carrier names from the Amazon store with ship-via codes from Acumatica ERP.

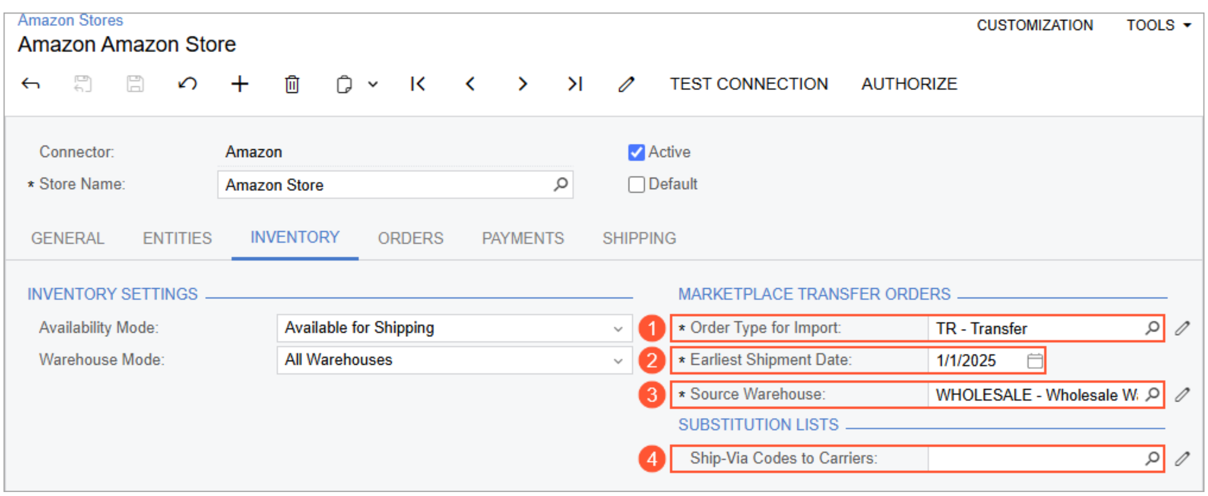


Figure: New inventory settings on the Amazon Stores form

In addition to specifying store settings, the administrative user has the ability to configure filtering and mapping rules for the *Marketplace Transfer Order* entity on the *Entities* (BC201020) form, if needed.

Import of Inbound Shipments from Amazon

While the administrative user prepares and processes the data for the *Marketplace Transfer Order* entity on the *Prepare Data* (BC501000) and *Process Data* (BC501500) forms, the system imports from Amazon inbound shipments sent from the merchant warehouse to the Amazon fulfillment center. The system imports only the inbound shipments created on or after the date specified in the **Earliest Shipment Date** box on the **Inventory** tab of the *Amazon Stores* (BC201020) form.

For each imported inbound shipment, the system creates a transfer order on the *Sales Orders* (SO301000) form with the type specified in the **Order Type for Import** box on the **Inventory** tab of the *Amazon Stores* form. In each line of the created transfer order, the system inserts the source warehouse specified for the Amazon store in the **Warehouse** column on the **Details** tab of the *Sales Orders* form. In the **Destination Warehouse** box of the Summary area, the system inserts the marketplace warehouse specified for the Amazon store.

During the preparation and processing of the data for the *Marketplace Transfer Receipt* entity on the *Prepare Data* and *Process Data* forms, the system creates a purchase receipt of the *Transfer Receipt* type on the *Purchase Receipts* (PO302000) form for the imported transfer order if the following conditions are met:

- The corresponding inbound shipment in Amazon is being received (has the *Receiving* status) or has been received (has the *Closed* status).
- The transfer order has been processed and has a released transfer of the *2-Step* type created on the *Transfers* (IN304000) form.

Limitations of Importing Inbound Shipments

The following limitations apply to the import of inbound shipments:

- The connector can import inbound shipments created only within the last 18 months. To avoid data inconsistencies, we recommend specifying a date within the past 18 months in the **Earliest Shipment Date** box on the **Inventory** tab of the *Amazon Stores* (BC201020).
- When users process the data for the *Marketplace Transfer Order* entity on the *Prepare Data* (BC501000) form, the connector creates sync records with the *Invalid* status for inbound shipments that have not been imported yet but have already been closed in Amazon. These records are excluded from further processing. If users need to import these inbound shipments, they need to force-synchronize the corresponding sync records on the *Sync History* (BC301000) form.
- The synchronization of inbound shipments with lot- or serial-tracked inventory items is partially supported because Amazon does not provide any information about the lot or serial numbers of the received items.

  During the processing of the *Marketplace Transfer Order* entity, the connector creates a transfer order for an inbound shipment with lot- or serial-tracked items without information about lot or serial numbers. Users need to manually process the transfer order to add lot or serial numbers for the shipping items. After the processing of the transfer order is finished and a transfer of the *2-Step* type has been created and released on the *Transfers* (IN304000) form, users skip the processing of the *Marketplace Transfer Receipt* entity. Instead, they manually create a purchase receipt of the *Transfer Receipt* type on the *Purchase Receipts* (PO302000) form for the transfer.
- The synchronization of inbound shipments with non-stock kits is partially supported.

  When a 2-step transfer is created for a transfer order with a non-stock kit on the *Transfers* form, Acumatica ERP automatically adds the components of the non-stock kit to the transfer based on the kit specification from the *Kit Specifications* (IN209500) form. A user needs to process this transfer manually.
- During the processing of the *Marketplace Transfer Receipt* entity, if the quantity of an item received in Amazon is either less than the quantity received in Acumatica ERP or greater than the initially shipped quantity, the connector does not add the item to the created purchase receipt. Users need to manually process these items.

Users need to create a purchase receipt of the *Transfer Receipt* type for the initially shipped quantity of the item on the *Purchase Receipts* form. For the discrepancy between the shipped and received quantities, users need to create an inventory adjustment on the *Adjustments* (IN303000) form with a positive value for the exceeded quantity or with a negative value for the insufficient quantity.

- The connector may experience delays with the processing of already-imported inbound shipments because Amazon does not provide the date of the shipment modification. Consider an inbound shipment that has been imported to Acumatica ERP, and then some changes have been made to the shipment in Amazon. If users need to receive these changes in Acumatica ERP as soon as possible, they should force-synchronize the sync record of the inbound shipment on the *Sync History* form.
- To comply with the limitations of the Amazon API and to optimize the system load, we recommended preparing and processing of the data for the *Marketplace Transfer Order* and *Marketplace Transfer Receipt* entities once a day at nighttime.

Retail Commerce: Replacement of REST API with GraphQL API for Shopify

Shopify is deprecating the REST API for apps and integrations after February 1, 2025, and switching to GraphQL instead. In Acumatica ERP 2025 R1, the corresponding changes have been implemented in the ecommerce connector. The connector synchronizes the following entities by using GraphQL:

- *Stock Item*
- *Non-Stock Item*
- *Template Item*
- *Product Availability*

Stock Item and Non-Stock Item Entities

The following table shows how the ecommerce connector maps Acumatica ERP fields to Shopify fields when it synchronizes stock items and non-stock items with Shopify by using the GraphQL API.

For details about the mapping for the Shopify user interface, see *Stock Item Entity* and *Non-Stock Item Entity*.

Table: Stock Item and Non-Stock Item Import/Export Mapping

Fields in Acumatica ERP		**Fields in Shopify**		
Field Name	**Form Object**	**Field Name for Query**	**Object**	**Type**
The *Stock Items* (IN202500) form if the exported item is a stock item or the *Non-Stock Items* (IN202000) form if the exported item is a non-stock item				
Description	Summary area	*title*	*ProductCreateInput / ProductUpdateInput*	String
Item Class	**General** tab, **Item Defaults** section	*productType*	*ProductCreateInput / ProductUpdateInput*	String
Description	**Description** tab	*descriptionHtml*	*ProductCreateInput / ProductUpdateInput*	HTML
Vendor ID	**Vendors** tab	*vendor*	*ProductCreateInput / ProductUpdateInput*	String
Search Keywords	**eCommerce** tab	*tags*	*ProductCreateInput / ProductUpdateInput*	String
Category ID	**Attributes** tab, **Sales Categories** table	*tags*	*ProductCreateInput / ProductUpdateInput*	String

Fields in Acumatica ERP		Fields in Shopify		
Field Name	**Form Object**	**Field Name for Query**	**Object**	**Type**
Visibility: *Visible*	**eCommerce** tab	*status*: *ACTIVE*	*ProductCreateInput / ProductUpdateInput*	String
Visibility: *Featured*	**eCommerce** tab	*status*: *ARCHIVED*	*ProductCreateInput / ProductUpdateInput*	String
Visibility: *Invisible*	**eCommerce** tab	*status*: *DRAFT*	*ProductCreateInput / ProductUpdateInput*	String
Inventory ID	Summary area	*sku*	*ProductVariantsBulkInput / ProductVariantsBulkUpdate*	String
Weight	**Packaging** tab, **Dimensions** section	*inventoryItem.measurement.weight.value*	*ProductVariantsBulkInput.inventoryItem > InventoryItemInput.measurement > InventoryItemMeasurementInput.weight*	Decimal
Weight UOM	**Packaging** tab, **Dimensions** section	*inventoryItem.measurement.weight.unit*	*ProductVariantsBulkInput.inventoryItem > InventoryItemInput.measurement > InventoryItemMeasurementInput.weight*	String
Default Price	**Price/Cost** tab, **Price Management** section	*price*	*ProductVariantsBulkInput / ProductVariantsBulkUpdate*	Money
Tax Category	**General** tab, **Item Defaults** section	*taxable*	*ProductVariantsBulkInput / ProductVariantsBulkUpdate*	Boolean
MSRP	**Price/Cost** tab, **Price Management** section	*compareAtPrice*	*ProductVariantsBulkInput / ProductVariantsBulkUpdate*	Money
Alternate Type: *GTIN/EAN/UPC/ISBN* or *Barcode*	**Cross-Reference** tab	*barcode*	*ProductVariantsBulkInput / ProductVariantsBulkUpdate*	String
A stock item		*requiresShipping*	*ProductVariantsBulkInput.inventoryItem / ProductVariantsBulkUpdate.inventoryItem*	Boolean
A non-stock item, **Require Shipment**: Selected	**General** tab, **Item Defaults** section			
Page Title	**eCommerce** tab	*Product.seo.title*	*ProductCreateInput.seo / ProductUpdateInput.seo*	String
Meta Description	**eCommerce** tab	*Product.seo.description*	*ProductCreateInput.seo / ProductUpdateInput.seo*	String

Template Item Entity

The following table shows how the ecommerce connector maps Acumatica ERP fields to Shopify fields when it synchronizes template items with Shopify by using the GraphQL API.

For details about the mapping for the Shopify user interface, see *Template Item Entity*.

Table: Template Item Import/Export Mapping

Fields in Acumatica ERP		Fields in Shopify		
Field Name	**Form Object**	**Field Name for Query**	**Object**	**Type**
The *Template Items* (IN203000) form				
Description	Summary area	*title*	*ProductCreateInput / ProductUpdateInput*	String
Item Class	**General** tab, **Item Defaults** section	*productType*	*ProductCreateInput / ProductUpdateInput*	String
Description	**Description** tab	*descriptionHtml*	*ProductCreateInput / ProductUpdateInput*	HTML
Vendor ID	**Vendors** tab	*vendor*	*ProductCreateInput / ProductUpdateInput*	String
Search Keywords	**eCommerce** tab	*tags*	*ProductCreateInput / ProductUpdateInput*	String
Category ID	**Attributes** tab, **Sales Categories** table	*tags*	*ProductCreateInput / ProductUpdateInput*	String
Visibility: *Visible*	**eCommerce** tab	*status*: *ACTIVE*	*ProductCreateInput / ProductUpdateInput*	String
Visibility: *Featured*	**eCommerce** tab	*status*: *ARCHIVED*	*ProductCreateInput / ProductUpdateInput*	String
Visibility: *Invisible*	**eCommerce** tab	*status*: *DRAFT*	*ProductCreateInput / ProductUpdateInput*	String

As part of the synchronization of the *Template Item* entity, .matrix items are exported to Shopify. The following table shows how the ecommerce connector maps Acumatica ERP fields to Shopify fields when it synchronizes matrix items with Shopify by using the GraphQL API.

Table: Matrix Item Import/Export Mapping

Fields in Acumatica ERP		Fields in Shopify		
Field Name	**Form Object**	**Field Name for Query**	**Object**	**Type**
The *Template Items* form				
Attribute	**Configuration** tab, **Attributes** section	*options*	*ProductCreateBulkInput / ProductUpdateBulkInput*	Array
Attribute Value	**Item Creation** tab	*options values*	*ProductCreateBulkInput / ProductUpdateBulkInput*	Array
Default Price	**Price/Cost** tab, **Price Management** section	*price*	*ProductCreateBulkInput / ProductUpdateBulkInput*	Money
Tax Category	**General** tab, **Item Defaults** section	*taxable*	*ProductCreateBulkInput / ProductUpdateBulkInput*	Boolean
MSRP	**Price/Cost** tab, **Price Management** section	*compareAtPrice*	*ProductCreateBulkInput / ProductUpdateBulkInput*	Money
Page Title	**eCommerce** tab	*Product.seo.title*	*ProductCreateInput.seo / ProductUpdateInput.seo*	String
Meta Description	**eCommerce** tab	*Product.seo.description*	*ProductCreateInput.seo / ProductUpdateInput.seo*	String
Availability: *Set as Available (Track Qty.)*	**eCommerce** tab	*inventoryItem.tracked*: *true*	*ProductVariantsBulkInput.inventoryItem / ProductVariantsBulkUpdate.inventoryItem*	Boolean
Availability: *Set as Available (Don't Track Qty.)*	**eCommerce** tab	*inventoryItem.tracked*: *false*	*ProductVariantsBulkInput.inventoryItem / ProductVariantsBulkUpdate.inventoryItem*	Boolean
Availability: *Set as Pre-Order*	**eCommerce** tab	*inventoryItem.tracked*: *false*	*ProductVariantsBulkInput.inventoryItem / ProductVariantsBulkUpdate.inventoryItem*	Boolean
Availability: *Do Not Update*	**eCommerce** tab	*inventoryItem.tracked*: No changes	*ProductVariantsBulkInput.inventoryItem / ProductVariantsBulkUpdate.inventoryItem*	Boolean
Availability: *Set as Unavailable*	**eCommerce** tab	*inventoryItem.tracked*: *false*	*ProductVariantsBulkInput.inventoryItem / ProductVariantsBulkUpdate.inventoryItem*	Boolean

Fields in Acumatica ERP		Fields in Shopify		
Field Name	**Form Object**	**Field Name for Query**	**Object**	**Type**
When Qty. Unavailable: *Do Nothing*	**eCommerce** tab	*inventoryPolicy*: No changes	*ProductVariantsBulkInput.inventoryPolicy / ProductVariantsBulkUpdate.inventoryPolicy*	String
When Qty. Unavailable: *Set as Unavailable*	**eCommerce** tab	*inventoryPolicy*: *DENY*	*ProductVariantsBulkInput.inventoryPolicy / ProductVariantsBulkUpdate.inventoryPolicy*	String
When Qty. Unavailable: *Set as Pre-Order/Continue Selling*	**eCommerce** tab	*inventoryPolicy*: *CONTINUE*	*ProductVariantsBulkInput.inventoryPolicy / ProductVariantsBulkUpdate.inventoryPolicy*	String
The *Stock Items* (IN202500) form if the matrix item is a stock item or the *Non-Stock Items* (IN202000) form if the matrix item is a non-stock item				
Inventory ID	Summary area	*sku*	*ProductVariantsBulkInput / ProductVariantsBulkUpdate*	String
Weight	**Packaging** tab, **Dimensions** section	*inventoryItem.measurement.weight.value*	*ProductVariantsBulkInput.inventoryItem > InventoryItemInput.measurement > InventoryItemMeasurementInput.weight*	Decimal
Weight UOM	**Packaging** tab, **Dimensions** section	*inventoryItem.measurement.weight.unit*	*ProductVariantsBulkInput.inventoryItem > InventoryItemInput.measurement > InventoryItemMeasurementInput.weight*	String
Alternate Type: *GTIN/EAN/UPC/ ISBN* or *Barcode*	**Cross-Reference** tab	*barcode*	*ProductVariantsBulkInput / ProductVariantsBulkUpdate*	String

Product Availability Entity

The following table shows how the ecommerce connector maps Acumatica ERP fields to Shopify fields when it exports the availability of stock items to Shopify by using the GraphQL API.

For details about the mapping for the Shopify user interface, see *Product Availability Entity*.

Table: Product Availability Export Mapping

Fields in Acumatica ERP		Fields in Shopify		
Field Name	**Form Object**	**Field Name for Query**	**Object**	**Type**
The *Stock Items* (IN202500) form				

Fields in Acumatica ERP		Fields in Shopify		
Field Name	**Form Object**	**Field Name for Query**	**Object**	**Type**
Availability: *Set as Available (Track Qty.)*	**eCommerce** tab	*inventoryItem.tracked*: *true*	*ProductVariantsBulkInput.inventoryItem / ProductVariantsBulkUpdate.inventoryItem*	Boolean
Availability: *Set as Available (Don't Track Qty.)*	**eCommerce** tab	*inventoryItem.tracked*: *false*	*ProductVariantsBulkInput.inventoryItem / ProductVariantsBulkUpdate.inventoryItem*	Boolean
Availability: *Set as Pre-Order*	**eCommerce** tab	*inventoryItem.tracked*: *false*	*ProductVariantsBulkInput.inventoryItem / ProductVariantsBulkUpdate.inventoryItem*	Boolean
Availability: *Do Not Update*	**eCommerce** tab	*inventoryItem.tracked*: No changes	*ProductVariantsBulkInput.inventoryItem / ProductVariantsBulkUpdate.inventoryItem*	Boolean
Availability: *Set as Unavailable*	**eCommerce** tab	*inventoryItem.tracked*: *false*	*ProductVariantsBulkInput.inventoryItem / ProductVariantsBulkUpdate.inventoryItem*	Boolean
The *Shopify Stores* (BC201010) form when **When Qty. Unavailable** is set to *Store Default* on the **eCommerce** tab of the *Stock Items* form				
When Qty. Unavailable: *Do Nothing*	**eCommerce** tab	*inventoryPolicy*: No changes	*ProductVariantsBulkInput.inventoryPolicy / ProductVariantsBulkUpdate.inventoryPolicy*	String
When Qty. Unavailable: *Set as Unavailable*	**eCommerce** tab	*inventoryPolicy*: *DENY*	*ProductVariantsBulkInput.inventoryPolicy / ProductVariantsBulkUpdate.inventoryPolicy*	String
When Qty. Unavailable: *Set as Pre-Order/Continue Selling*	**eCommerce** tab	*inventoryPolicy*: *CONTINUE*	*ProductVariantsBulkInput.inventoryPolicy / ProductVariantsBulkUpdate.inventoryPolicy*	String

Fields Unavailable in GraphQL

The following table shows the Shopify fields that were available during the synchronization of the *Stock Item*, *Non-Stock Item*, and *Template Item* entities through the REST API but are unavailable with GraphQL.

Table: External Fields Unavailable Through GraphQL: Stock Item, Non-Stock Item, and Template Item

Tabs of the ***Entities*** (BC202000) form	External Object	External Field	REST API Object	REST API Field
Import Mapping, **Import Filtering**	*Product*	*Published*		`Published`
Import Mapping, **Import Filtering**, **Export Mapping**	*Product*	*PublishedScope*		`PublishedScope`
Import Mapping, **Export Mapping**	*Product -> Product Variants*	*FulfillmentService*	*Product > Product Variants*	`fulfillment_service`
		PresentmentPrices	*Product > Product Variants*	`presentment_prices`

The following table shows the Shopify fields that were available during the synchronization of the *Product Availability* entity through the REST API but are unavailable with GraphQL.

Table: External Fields Unavailable Through GraphQL: Product Availability

External Field	REST API Object	REST API Field
RelocateIfNecessary	*InventoryLevel*	`relocate_if_necessary`
DisconnectIfNecessary	*InventoryLevel*	`disconnect_if_necessary`

System Administration: Email Scheduling for Reports

In previous versions of Acumatica ERP, a user could schedule the regular sending of reports in the system in either of the following ways, but both approaches had limitations:

- The user could schedule the sending of a report by using the *Send Reports* (SM205060) form, which is now obsolete and due for deprecation.
- On the *Business Events* (SM302050) form, the user could configure a business event with an email template as a subscriber to send the report as an attachment. However, configuring a business event requires specifying a data source, such as a generic inquiry or data entry form, which is not always suitable for the scheduling of reports.

Improvements in Acumatica ERP 2025 R1 address these limitations by enhancing email templates and report management, replacing outdated functionality, and providing comprehensive support for all report-scheduling scenarios.

Scheduling of the Sending of a Report

On the report toolbar of all report forms, the **Schedule Template** button has been removed. To replace this outdated functionality, the new **Email Notification** tab has been added to these report forms. On this tab, a user can view the list of email templates used to send the report. Also, the user can start scheduling the sending of the report by clicking the **Schedule Report** button on the table toolbar of the tab (see the following screenshot).

The **Schedule Report** button is available only to users with at least the *Insert* level of access rights to the *Email Templates* (SM204003) form.

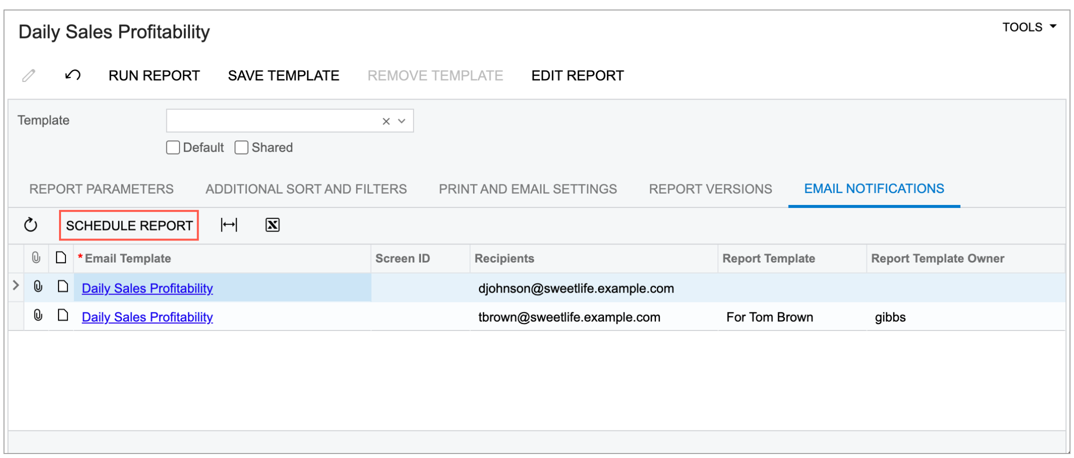


Figure: New Schedule Report button

When the user clicks **Schedule Report**, the system opens the *Email Templates* (SM204003) form in a new tab. By default, the system fills in the settings for the new email template as follows:

- In the Summary area, **To**, **CC**, **BCC**, and **Subject** are filled in with the values specified for the report in the **Email Settings** section of the **Print and Email Settings** tab of the report form. The **Activity Type** is set to *Email*.
- On the **Attached Reports** tab, **Report ID** is filled in with the report identifier, and **Report Format** is set to the format specified on the **Print and Email Settings** tab of the report form. Also, the report parameters are copied from the **Report Parameters** tab of the report form. If at the moment of report creation, a shared report template was selected in the **Template** box of the report form, its name will be inserted to the **Report Template** box.

When the user saves the email template, the **Send by Schedules** tab becomes available for the email template.

The following screenshot shows an email template that was created based on the shared report template of the *Daily Sales Profitability* (AR676000) report.

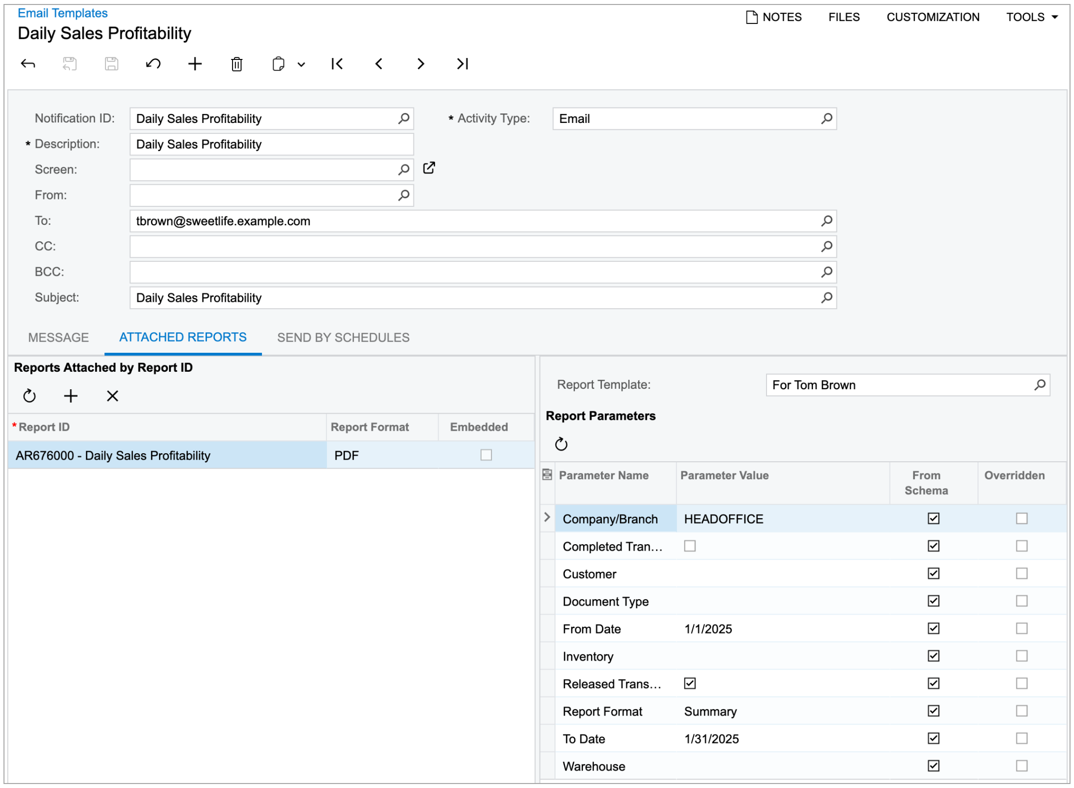


Figure: An email template created for a report

On the **Send by Schedules** tab of the form, the user can create and remove linked schedules or link the existing schedules to the email template. Also, they can review the history of a selected schedule. To schedule the email template, the user clicks **Create Schedule** on the table toolbar of the tab. The system opens the *Automation Schedules* (SM205020) form in a pop-up window, as shown in the following screenshot.

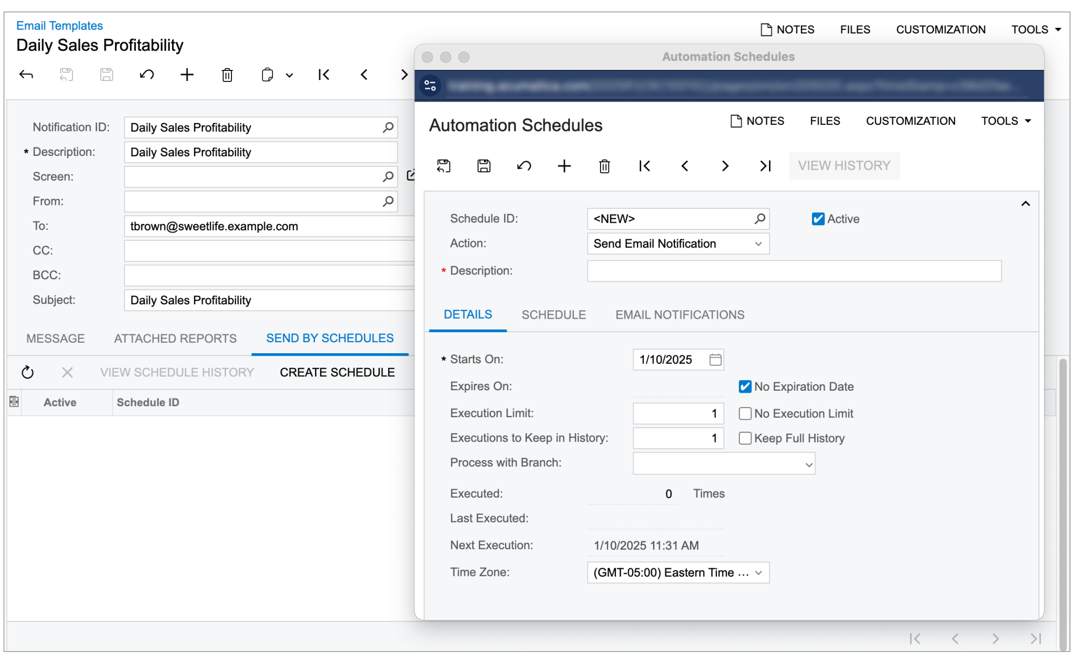


Figure: Automation Schedules form opened for an email template

The user specifies the settings of the schedule, saves their changes, and closes the pop-up window. The system displays the configured schedule in the table of the **Send by Schedules** tab of the *Email Templates* form. For details on configuring automation schedules, see *Scheduling Automated Processing*.

To view the history of the schedule execution, a user clicks **View Schedule History** on the tab. The system displays the details in the pop-up window, as shown in the following screenshot.

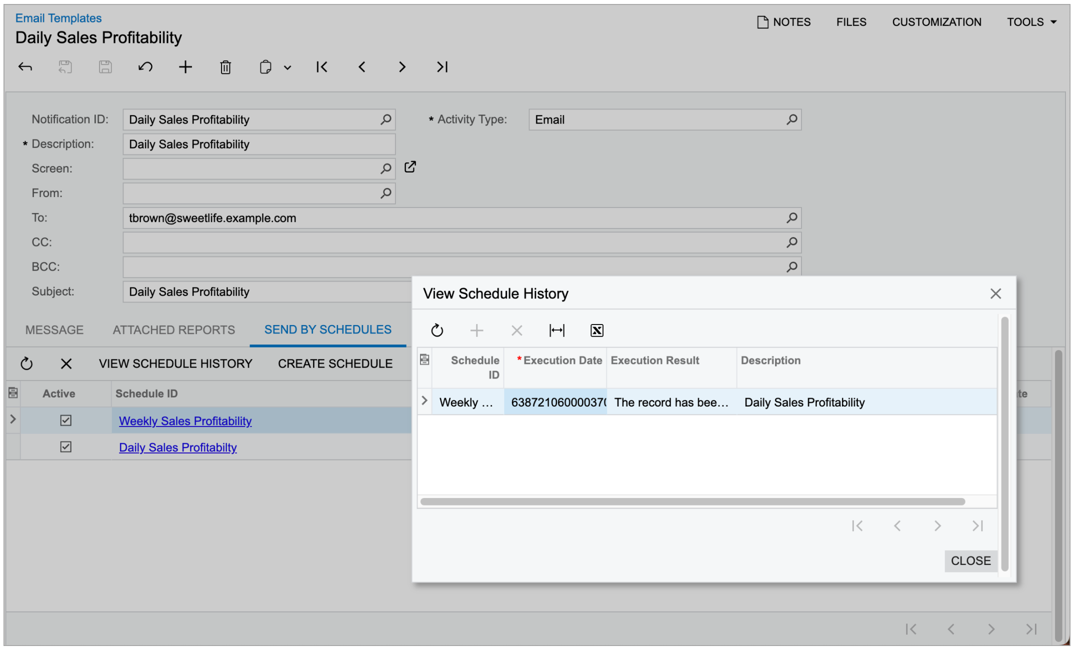


Figure: The history of schedule executions

Other Changes to the Email Templates Form

The implementation of this new functionality involved other changes to the *Email Templates* (SM204003) form. The most significant change is that the **Screen** box is now optional. Depending on whether the **Screen** box is filled in and the objects are linked to the template, the system hides certain UI elements or displays a warning for an element.

If **Screen** is empty and there are no linked business events, the system hides the following UI elements:

- The **Attach Activity**, **Link-To Entity**, **Link-To Contact**, and **Link-To Account** boxes in the Summary area
- The **Attach Report Opened by Action** box and the **Use Event as Data Source** check box on the **Attached Reports** tab
- The **Send by Events** tab

If **Screen** is empty and there is at least one linked business event, the system does the following:

- Hides the **Attach Activity**, **Link-To Entity**, **Link-To Contact**, and **Link-To Account** boxes in the Summary area
- Hides the **Attach Report Opened by Action** box and the **Use Event as Data Source** check box on the **Attached Reports** tab
- Displays a warning about the empty **Screen** box on the **Send by Events** tab and the linked business event

If **Screen** is specified and there are no linked schedules, the system does the following:

- Displays the **Attach Activity** box only if a data entry form is specified in the **Screen** box
- Displays the **Link-To Entity** box only if a generic inquiry is specified in the **Screen** box
- Hides the **Send by Schedules** tab

If **Screen** is specified and there is at least one linked schedule, the system does the following:

- Displays the **Attach Activity** box only if a data entry form is specified in the **Screen** box
- Displays the **Link-To Entity** box only if a generic inquiry is specified in the **Screen** box
- Displays a warning on the **Send by Schedules** tab and the linked schedule about the inability to retrieve values for screen data fields if they are used as placeholders

The absence of a value in the **Screen** box also affects the availability of data for placeholders used in an email template. If **Screen** is empty, only the **General Info** node is available in the lookup box's **Screen Fields** tab for the **To** box in the Summary area. Similarly, only the **General Info** node is available in the lookup box for adding data fields in the text editor on the **Message** tab.

Changes to the Automation Schedules Form

On the *Automation Schedules* (SM205020) form, the new **Action** drop-down box has been added with the following options:

- *Mass-Process*: This new option is selected by default when a user creates a schedule from a processing form or directly on the *Automation Schedules* form.
- *Raise Business Event*: This option has been moved from the **Action Name** drop-down box and is inserted by default when a user initiates schedule creation on the *Business Events* (SM302050) form.
- *Send Email Notification*: This new option is inserted by default when a user initiates schedule creation on the *Email Templates* (SM204003) form.

The **Action Name** control has been changed from a drop-down box to a lookup box and made optional. It is available only if the *Mass-Process* option is selected in the **Action** drop-down box. The corresponding mass operation is inserted automatically based on the processing form specified in the **Screen ID** box.

The availability of the **Screen ID** box and the list of forms available for selection depend on the option selected in the **Action** drop-down box. The following table summarizes the limitations.

Option	Availability	Forms Available for Selection
Mass-Process	Available and required	Mass-processing forms only
Raise Business Event	Available and required	Inquiry forms only
Send Email Notification	Hidden and optional	Not applicable

Also, the new **Email Notifications** tab has been added to the *Automation Schedules* form. The tab is displayed if the *Send Email Notification* option is selected in the **Action** drop-down box.

Changes to the Automation Schedule Statuses Form

The following changes have been made to the table that displays the list of schedules on the *Automation Schedule Statuses* (SM205030) form:

- The **Screen ID** column is now optional, and its values are no longer links that users can click to navigate to the specified forms.
- When a record with an empty value in the **Screen ID** column is selected, the system hides the **View Screen** button on the table toolbar.
- The **Description** column has been removed.
- The **Schedule ID** column has been added; its values are clickable links. When a user clicks a link, the system opens the *Automation Schedules* form with the selected schedule.

Changes to the Automation Schedule History Form

In the Selection area of the *Automation Schedule History* (SM205035) form, the **Screen** box has been removed.

The following changes have been made to the table that displays the list of schedules on the form:

- The values in the **Screen ID** column are no longer links that users can click to navigate to the specified forms.
- The **Schedule** column has been renamed to **Schedule ID**.

Upgrade Notes

After an upgrade to Acumatica ERP 2025 R1, the following change will be applied in the system: For each automation schedule, the upgrade script will insert a value in the new **Action** box. If the option in the **Action Name** box was *Raise Business Event*, it will be left as it is. Otherwise, *Mass-Process* will be inserted in the **Action** box.

After the upgrade, a system administrator will need to migrate automation schedules that have been configured by using the *Send Reports* (SM205060) form. To locate the required schedules, the administrator can use the *Automation Schedule Statuses* (SM205030) form to filter schedules with *SM.20.50.60* in the **Screen ID** column. The system will also display a warning for these records. The administrator may click a link in the **Schedule ID** column to open the *Automation Schedules* (SM205020) form for the schedule.

On the *Automation Schedules* form, for these schedules, the **Migrate** button has been added to the form toolbar to assist with the migration. Also, the system will display a warning about the deprecation of the *Send Reports* form and migration instructions; see the following screenshot.

> The **Migrate** button is available only if for the selected schedule, the *Send Reports* form is selected in the **Screen ID** box.

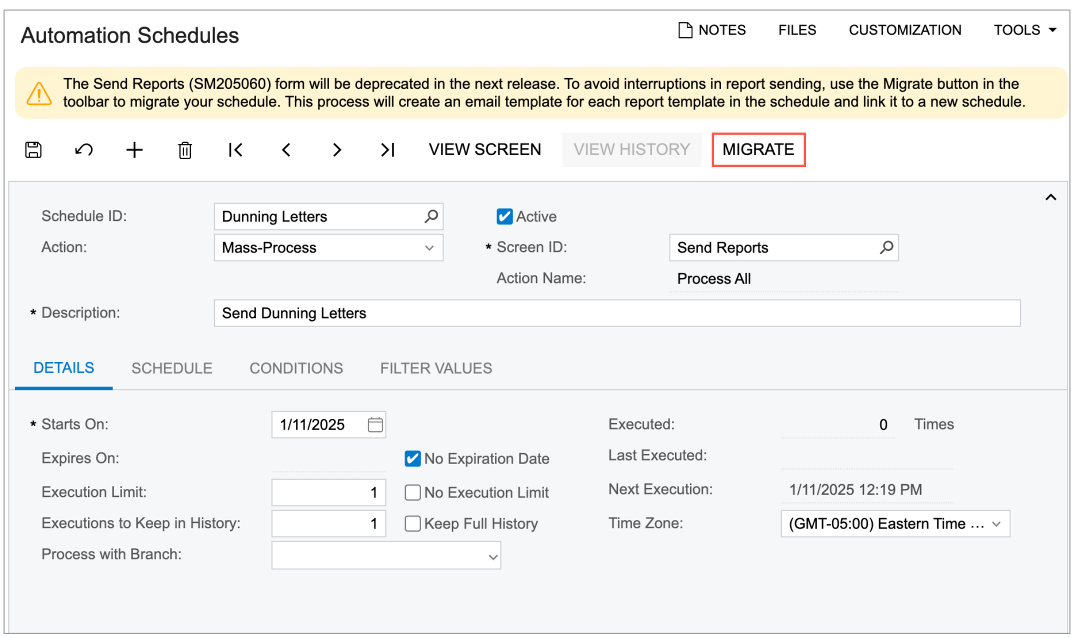


Figure: The Migrate button and warning with migration instructions

The migration process will create an email template for each report template in the schedule and link it to a new schedule. The original schedule will be deactivated and marked as migrated to avoid duplication.

Customization: Access Rights for Custom Forms

Acumatica ERP 2025 R1 introduces improved management of access rights for custom forms.

> In the Customization Project Editor, *screen* is used in UI labels to describe the Acumatica ERP form being developed.

Addition of Access Rights

In Acumatica ERP 2024 R1, if a developer created a form and did not add access rights for this form to the customization project, the system assigned the *Revoked* access rights to the form for all user roles. As a result, the developer could not open the form after the customization project was published.

In Acumatica ERP 2025 R1, the system adds to the customization project the *Delete* access rights for the *Customizer* role for each new form. The developer can now test new forms without specifying access rights explicitly. After the developer has tested the changes, a system administrator can add the needed access rights to the customization project.

Changes to the Customization Project Editor

When a developer creates a new form, the system displays a message that access rights will be added to the customization project. The the following screenshot shows the **Create Screen** dialog box with this message. (This dialog box opens when the developer clicks **Create Screen** on the page toolbar of the *Customized Screens* page.)

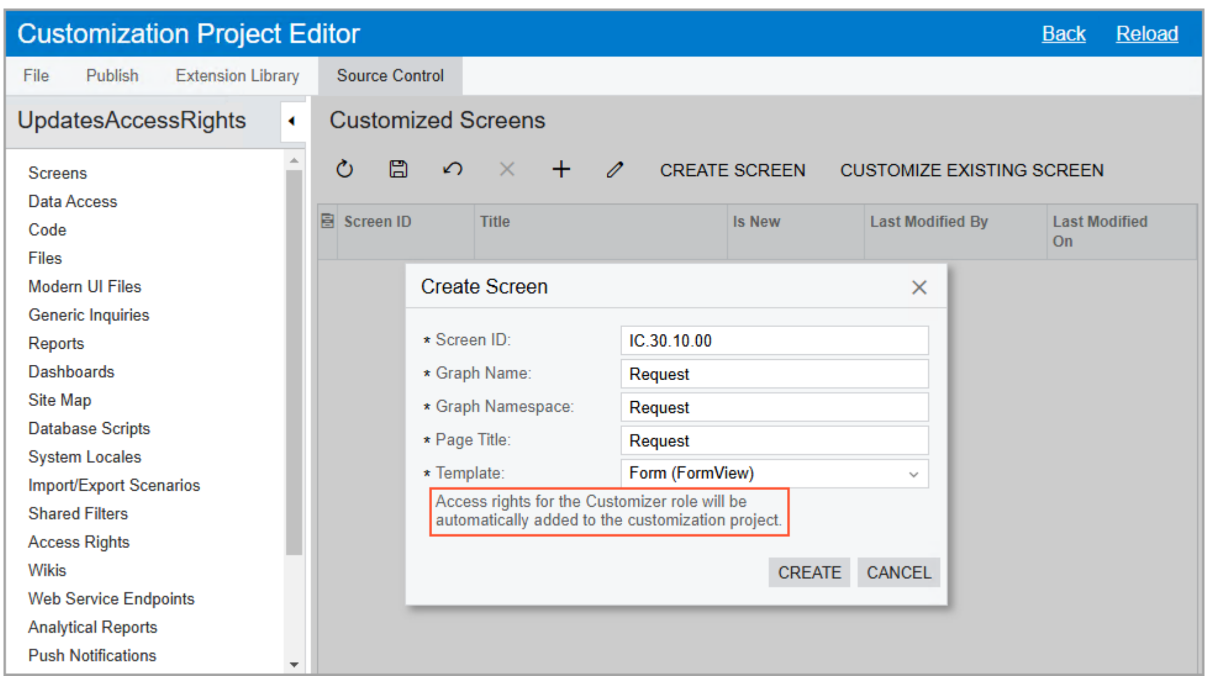


Figure: Message about the addition of access rights

After the developer clicks **Create** in the dialog box, the system adds the needed elements to the respective pages, as it did in previous versions. The following screenshot shows the *Access Rights* page with the added access rights (see Item 1). Notice that the *Apply and Keep* merge rule has been selected for these access rights (Item 2). This option indicates that the system will apply the access rights from the customization project to the form and keep them unchanged for the roles that are not included in the customization project.

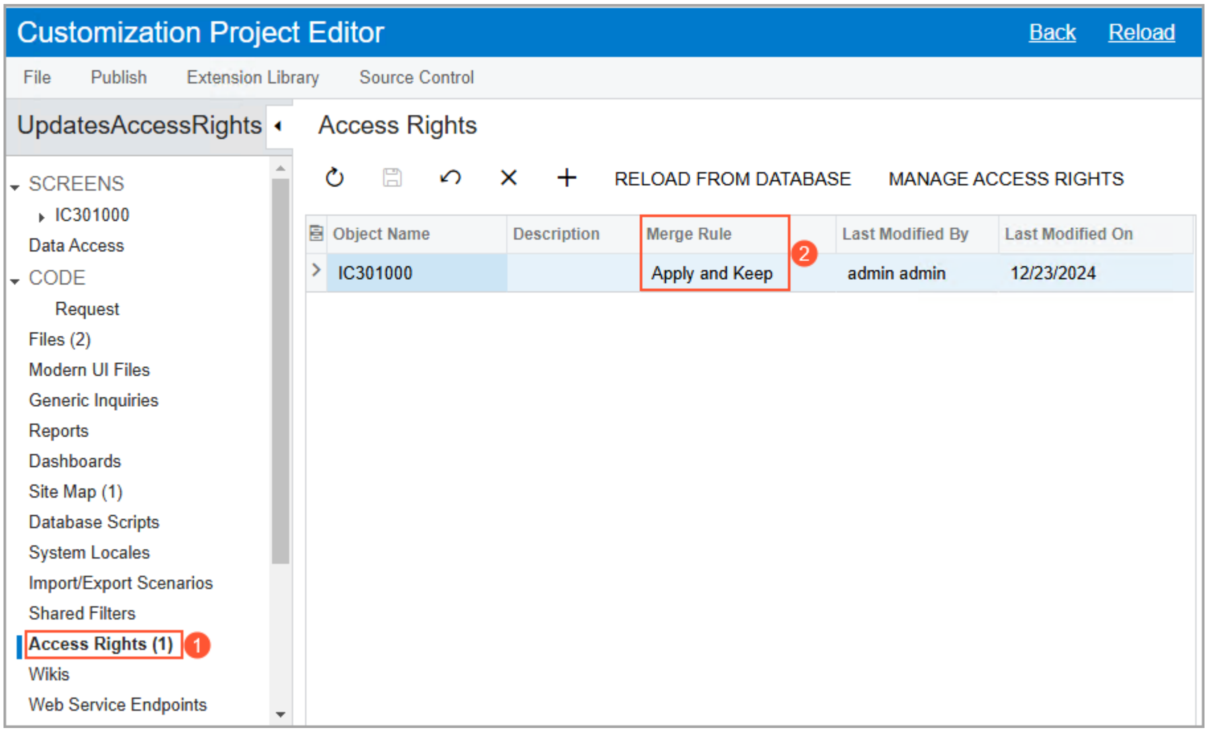


Figure: The Access Rights page with the added access rights

Developer Documentation: New Topics

In the documentation for Acumatica ERP 2025 R1, a developer can find a number of new and reworked topics, as described in the following sections.

Modern UI Components

The *UI Component Guide* has been extended with chapters about each of the following Modern UI components:

- *Currency*
- *Icon*
- *Mask Editor*
- *Upload Dialog Box*
- *Upload Files Button*
- *Wizard*

Universal Search

An application developer can find detailed information about the customization of Acumatica ERP's universal search for data access classes in the following new chapter: *Customizing the Acumatica ERP Search*.

New REST API Examples

An integration developer can find the following new REST API examples:

- *Create a Return for Credit for Items with Lot or Serial Numbers*
- *Update Allocations in a Return for Credit*

Mobile Development: Dialog Result for the Close Button

In Acumatica ERP 2025 R1, a developer can specify a dialog result for the `Close` action (which corresponds to the X button on a screen toolbar) of a dialog box mapped to the mobile app in one of the following ways:

- Specify the dialog result in the `CloseButtonDialogResult` property of the `dialog` object
- Define the `Close` action in detail by using the `CloseButtonDialogAction` property of the `dialog` object

A developer can use only one of the approaches for each action.

Specifying the Dialog Result for the Close Action

To specify the dialog result for the `Close` action, a developer needs to specify it in the `CloseButtonDialogResult` property of the `dialog` object. The possible values of the property correspond to the elements of the *`WebDialogResult`* enumeration. The following code shows an example of the dialog result value being specified for the `Close` action.

```
update screen SO301000 {
  add dialog "AddLine" {
    CloseButtonDialogResult = "No"
    ...
  }
}
```

Defining the Close Action

A developer can define the `Close` action by doing the following:

1. In the `dialog` object, define an action by adding the `dialogAction` object.
2. In the `dialogAction` object, specify the dialog result in the `dialogResult` property. For more details, see *dialogAction*.

   In the `dialogAction` object, there is no need to specify the `CloseDialog` property because the button closes the screen by default.

3. In the dialog object, specify the name of the action in the `CloseButtonDialogAction` property.

The following code shows an example of the `Close` action being defined in a dialog box.

```
update screen SO301000 {
  ...
  update dialog "AddLine" {
    CloseButtonDialogAction = "NoAction"
    update dialogAction "NoAction" {
      dialogResult = "No"
    }
  }
}
```

Related Links

- *dialog*
- *dialogAction*

- *Enum WebDialogResult*
- *Mapping a Smart Panel*

Mobile Development: Displaying the Progress and Results of Processing

The Acumatica mobile app connected to an instance of Acumatica ERP 2025 R1 can display the progress and the results of a processing operation.

When the processing is being performed, the app shows a dialog box with the progress of the operation. For processing screens, the dialog box may contain progress numbers, such as the elapsed time, the estimated remaining time, and the percent of completion. The following screenshots show examples of the dialog boxes that show the progress of the operation.

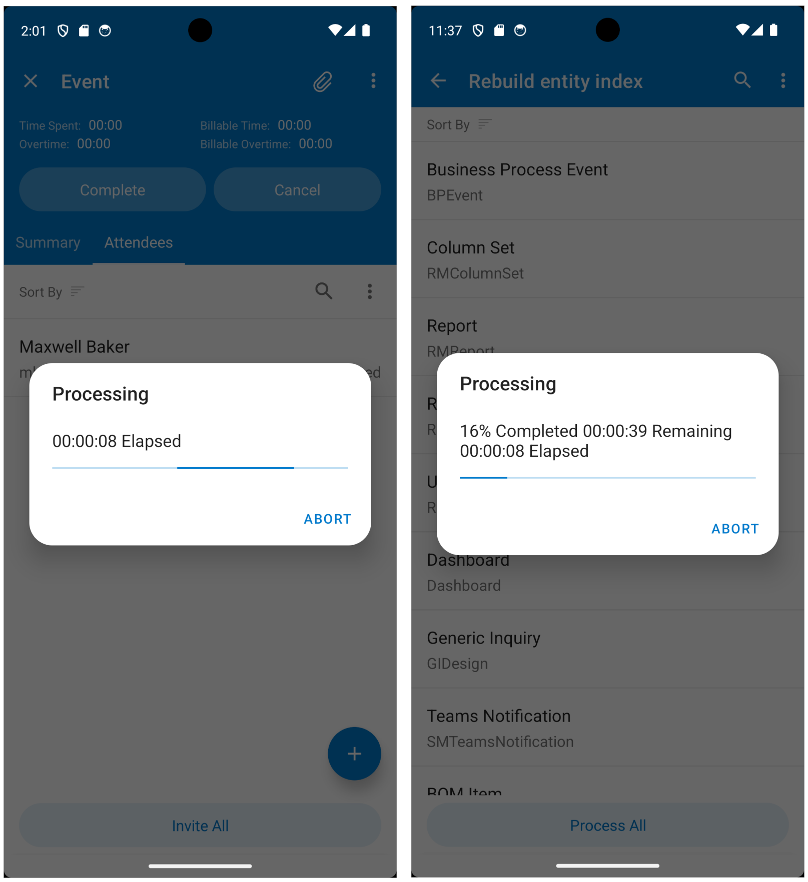


Figure: Processing dialog boxes

After the processing is completed, the app shows the results of the processing for each record included in the processing. The results of the processing are displayed on the *Processing* screen and are grouped by the following tabs: **Failed**, **Remaining**, **Total**. An example of the *Processing* screen is shown in the following screenshot.

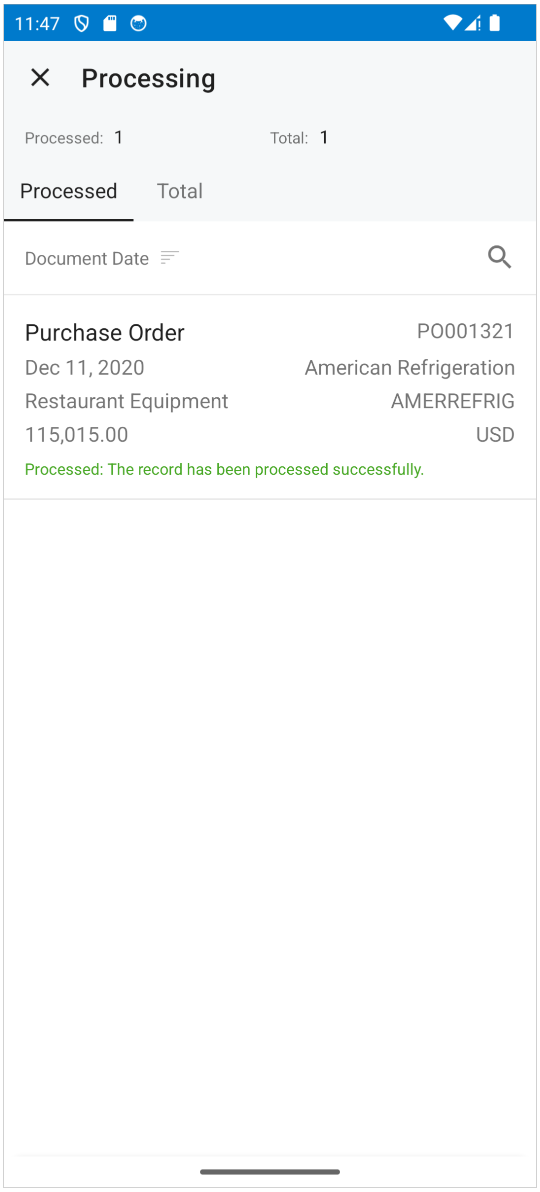


Figure: Results of the processing

This functionality is available out of the box, and no changes need to be made to the mapping of the screen.

Changes to the Mobile API

The `SyncLongOperation` property has been deprecated for the following objects:

- `recordAction`
- `containerAction`
- `listAction`
- `selectionAction`

The `SyncLongOperation` property will be removed in the next major release.

Platform API: Improved Logging in Connectors for External Systems

Acumatica ERP 2025 R1 introduces improved logging of events for the connectors for external systems. Now the system logs requests and events related to the connector on the *Request Profiler* (SM205070) form if a user specifies the following settings on this form:

- **Log Requests (Apply Filter)**: Selected
- **Log Events (Apply Filter)**: Selected
- **Log Level**: *Verbose*
- **Category**: *Commerce*

For the implementation of this improvement, multiple API changes have been made. A developer needs to update their implementation of the connector as described in the following sections. For more information about the implementation of a custom connector, see *Implementing a Connector for an External System*.

Changes to the BCConnectorBase Class

The `PX.Commerce.Core.BCConnectorBase<TGraph>` abstract class now implements the `PX.Commerce.Core.IConnector` interface. Therefore, the `BCConnectorBase<TGraph>` abstract class now includes the following abstract methods:

- `Process(ConnectorOperation operation, int?[] syncIDs = null, CancellationToken cancellationToken = default)`
- `GetSyncTime(ConnectorOperation operation)`
- `NavigateExtern(ISyncStatus status, ISyncDetail detail = null)`
- `ProcessHook(IEnumerable<BCExternQueueMessage> messages, CancellationToken cancellationToken = default)`

A developer must override these methods in their implementation of a connector for an external system. Also, there is no need to derive the connector class from the `IConnector` interface.

Changes to the IProcessor and IConnector Interfaces

All logging methods of the `PX.Commerce.Core.IProcessor` and `PX.Commerce.Core.IConnector` interfaces have been removed.

A developer must remove their previous implementation of these methods. Instead, the developer can use the methods that are provided in the `PX.Commerce.Core.Logging.CommerceLoggerExtensions` class. These methods extend the functionality of the `Serilog.ILogger` interface.

The following code shows an example of writing a log message. The example uses the `PX.Commerce.Core.BCProcessorBase<TGraph, TEntityBucket, TPrimaryMapped>.Logger` class, which uses the `ILogger` methods.

```
Logger.LogCommerceVerbose(
  BCLogScopeFactory.ForOperation(Operation),
  LogMessages.LogSyncPerformed,
  String.Join(", ", oprs));
```

Platform API: Processing of API Rate Limits in a Connector for an External System

In Acumatica ERP 2025 R1, the built-in connectors for external systems (such as the BigCommerce, Amazon, and Shopify connectors) process responses with the *429 Too Many Requests* response code differently. Previously, if the API rate limit of the external system was reached—that is, the *429 Too Many Requests* response code was received—the built-in connector ignored this error and retried the request without a delay. This request failed in most cases. Now if the *429 Too Many Requests* response code is received, the connector checks the headers of the response to find the recommended delay for the request, and retries the request after this delay.

If a developer implemented a custom connector by using the Acumatica Commerce Framework, the developer can update this connector to use the same approach for handling the *429 Too Many Requests* response code. To use this approach, the developer needs to derive the REST API client implementation from the `PX.Commerce.Core.REST.RetryCapableRESTClientBase` abstract class and override its methods. The `RetryCapableRESTClientBase` class uses the `Polly.Core.dll` library.

The following code shows a sample fragment of the REST API client implementation for the BigCommerce connector.

```
public abstract class BCRestClientBase :
    RetryCapableRESTClientBase<BCRestClientBase.HttpCallContext>
{
    protected override ValueTask<bool> IsFailure(Outcome<HttpCallContext> result,
        int attemptNumber, int attempts) =>
        new((result.Exception is not null
            || (int)result.Result.Response.StatusCode is 429)
            && attempts >= attemptNumber);

    protected override ValueTask HandleError(HttpCallContext ctx,
        int attemptNumber, int attempts)
    {
        if (attempts == attemptNumber)
            throw new PXException(BCMessages.RetryLimitIsExceeded);

        return new ValueTask();
    }

    protected override ValueTask<TimeSpan?> GetDelay(HttpCallContext context,
        int attemptNumber)
    {
        if (context is null)
            return new(TimeSpan.FromSeconds(attemptNumber + 1));

        var response = context.Response;
        if ((int)response.StatusCode == 429)
        {
            if ((response.Headers.TryGetValues(
                BigCommerceConstants.Headers.RateLimitResetMs, out var values)
                || response.Headers.TryGetValues(
                    BigCommerceConstants.Headers.RateLimitWindowMs, out values))
                && int.TryParse(values.FirstOrDefault(), out var delay))
                    return new ValueTask<TimeSpan?>(TimeSpan.FromMilliseconds(delay));

            return new ValueTask<TimeSpan?>(TimeSpan.FromSeconds(attemptNumber + 1));
        }
```

```
        return new ValueTask<TimeSpan?>((TimeSpan?)null);
    }
}
```

For more information about the implementation of a custom connector, see *Implementing a Connector for an External System*.

Platform API: Changes to the Image Processor Modules of the Shopify and BigCommerce Connectors

In previous versions of Acumatica ERP, the image processor modules of the Shopify and BigCommerce connectors retrieved the image details for the *Product Image* entity by using the *BC-ItemImages* generic inquiry. In some cases, this implementation led to a timeout error on the *Sync History* (BC301000) and *Prepare Data* (BC501000) forms.

In Acumatica ERP 2025 R1, this behavior has been modified. Now the image processor modules of the Shopify and BigCommerce connectors retrieve the image details for the *Product Image* entity by using a BQL query. As a result, the *BC-ItemImages* generic inquiry has been removed from the code base.

Updating Customizations That Depend on the BC-ItemImages Generic Inquiry

Because the *BC-ItemImages* generic inquiry has been removed from the code base, developers must update their customization projects if they previously customized the *BC-ItemImages* generic inquiry. To customize the BQL query that now replaces the *BC-ItemImages* generic inquiry, a developer must implement the `PX.Commerce.Objects.IImageDataProvider` interface and all of its methods.

The `IImageDataProvider` interface consists of the following methods:

- `FetchCommand PrepareCommand(List<BCSyncStatus> ids, TGraph processorGraph)`: This method specifies a base BQL query to fetch the image details for the *Product Image* entity. Developers can specify additional conditions for this BQL query in the following `SelectByIds` and `Select` methods.
- `IEnuemrable<ItemImageDetails> SelectByIds(List<BCSyncStatus> ids, TGraph processorGraph)`: This method, which specifies a list of sync IDs, is called during the syncing process on the *Sync History* (BC301000) and *Process Data* (BC501500) forms. This method fetches the image details for the *Product Image* entity by calling the `PrepareCommand` method.
- `IEnuemrable<ItemImageDetails> Select(TGraph processorGraph)`: This method does not specify any sync IDs and is called from the *Prepare Data* (BC501000) form. The method fetches the image details for the *Product Image* entity by calling the `PrepareCommand` method.

A developer can specify a custom BQL query that fetches the image details for the *Product Image* entity in their implementation of the `FetchCommand PrepareCommand(List<BCSyncStatus> ids, TGraph processorGraph)` method. The following code shows an example.

```
public override FetchCommand PrepareCommand(List<BCSyncStatus> ids,
    BCImageProcessor processorGraph)
{
    // Define the custom BQL query in the following line
    BqlCommand baseQuery = ...;

    var prepareMode = processorGraph.Operation.PrepareMode;
    var connectorType = processorGraph.Operation.ConnectorType;
    var bindingId = processorGraph.Operation.Binding;
    List<object> parameters = new() {
        connectorType,bindingId, BCEntitiesAttribute.ProductImage,
        connectorType, bindingId,
        BCEntitiesAttribute.Variant,
        connectorType, bindingId,
        BCSyncStatusAttribute.Synchronized,
        BCSyncStatusAttribute.Synchronized
      };
    return AddFilterConditions(ids, processorGraph, baseQuery, parameters);
}
```

Platform API: Changes to the Methods of the ARPaymentEntry Graph

In previous versions of Acumatica ERP, when a developer wanted to customize the `PX.Objects.AR.ARPaymentEntry` graph by modifying the behavior of its methods, the developer had to copy a large amount of code from the original graph. This process was necessary even for implementing simple customizations, such as implementing a filter to include only the documents that have a particular status. The following methods belong to the `ARPaymentEntry` graph, whose behavior was difficult to modify:

- `public static int GetCustDocsCount(LoadOptions opts, ARPayment currentARPayment, ARSetup currentARSetup,PXGraph currentGraph)`
- `public static PXResultset<ARInvoice> GetCustDocs(LoadOptions opts, ARPayment currentARPayment, ARSetup currentARSetup, PXGraph currentGraph)`

Since these methods were declared as `public static`, it was not possible to override them. In Acumatica ERP 2025 R1, these methods have been moved to the new `PX.Objects.AR.CustomerDocsExtensionBase` abstract graph extension and their method signatures have been modified as follows:

- `public virtual int GetCustDocsCount(LoadOptions opts, ARPayment currentARPayment, ARSetup currentARSetup)`
- `public virtual PXResultset<ARInvoice> GetCustDocs(LoadOptions opts, ARPayment currentARPayment, ARSetup currentARSetup)`

Because the methods above are now declared as `public virtual` and have been moved to an abstract graph extension, a developer can simply override these methods to modify their behavior. For details about the code changes in this release, see the Reference List of Changes.

Overriding the GetCustDocsCount and GetCustDocs Methods

To override the `GetCustDocsCount` and `GetCustDocs` methods, the developer must declare a second-level graph extension that is derived from the `ARPaymentEntryCustomerDocsExtension` graph extension, as shown in the following code example.

```
public class ARPaymentEntryMyExtension:
              PXGraphExtension<ARPaymentEntryCustomerDocsExtension, ARPaymentEntry>
{
  public override int GetCustDocsCount(LoadOptions opts, ARPayment currentARPayment,
                                       ARSetup currentARSetup)
  {
    ...
  }

  public override PXResultset<ARInvoice> GetCustDocs(LoadOptions opts,
                                 ARPayment currentARPayment, ARSetup currentARSetup)
  {
    ...
  }
}
```

The `ARPaymentEntryCustomerDocsExtension` graph extension in the code example above is derived from the new `CustomerDocsExtensionBase` abstract graph extension, which was mentioned in the preceding section.

Web Services: New PATCH Method in the REST API

In previous versions of Acumatica ERP, to update a record by using the REST API, a developer had to use the `PUT` HTTP method. In Acumatica ERP 2025 R1, the developer can use the new `PATCH` method to update only particular fields of an existing record.

Behavior of the PUT and PATCH Methods

The `PUT` method updates the fields as follows:

1. To find the fields to update, the system compares the values specified in the request body with the field values for the record in the system.
2. The system skips the values in the request body that are equal to the field values in the system.
3. The system updates only the fields for which the value specified in the request body differs from the value stored in the system.

   However, during this update, other fields of the record may be changed because of the logic implemented in the respective graph. Meanwhile, the request body may include values specified for the fields that have been updated because of the graph logic. In this case, the system does not save the values specified in the request body.

The `PATCH` method updates exactly the fields specified in the request body, regardless of the values for these fields that are stored in the system. However, the `PATCH` method does not override the graph logic. For example, if because of the graph logic, the value cannot be changed as the request body specifies, this value will not be changed.

Use of the PATCH Method

A developer may consider using the `PATCH` method during the synchronization of records from an external system when the developer knows exactly which fields have been changed in the external system. The developer may also use this method in situations when particular fields of a record cannot be updated with a `PUT` request (as described in the previous section).

In a request with the `PATCH` method, the developer needs to identify the record and specify only the fields that should be updated. The developer can identify the record by key fields, by ID, or by filtering conditions. For details about the `PATCH` method, see *Update Particular Fields of a Record*.

Example

Suppose that the developer needs to update the order quantity and discount amount in a detail line of the *000029* sales order. The developer can use the following request.

```
PATCH /entity/Default/24.200.001/SalesOrder?
  $expand=Details&
  $select=Details/DiscountAmount,Details/OrderQty,OrderNbr,OrderType HTTP/1.1
Host: [<Acumatica ERP instance URL>]
Accept: application/json
Content-Type: application/json

{
    "OrderType": {"value": "SO"},
    "OrderNbr": { "value": "000029" },
    "Details": [
        {
             "id": "a1d07920-a402-e911-b818-00155d408001",
```

```
                "OrderQty": { "value": 2 },
                "DiscountAmount": { "value": 5 }
        }
    ]
}
```

Web Services: Tracking of Deleted Records Through OData

The optimal way to synchronize data between Acumatica ERP and an external system is to synchronize only the data that was modified since the previous synchronization. To track the modification date, a developer can use the values in the `LastModifiedDateTime` field of a record. However, this type of synchronization does not take into account records that were deleted since the last synchronization. Therefore, to synchronize deleted records, the developer should do one of the following:

- Perform the synchronization of all records (which may cause performance issues)
- Use push notifications (which requires additional development)

Acumatica ERP 2025 R1 introduces a new mechanism that can be used to retrieve the list of records of a particular type that were deleted since the last synchronization. The developer can retrieve this list through DAC-based OData.

Configuring the Tracking of Deleted Records

On the new *Tables to Track Deleted Records* (SM207010) form, a developer adds the data access classes (DACs) for which the system should track deleted records. By default, the system does not track deleted records for a DAC. If a record of a DAC listed on the form is removed, the system saves the `NoteID` of the record and the date and time of the removal.

The developer can also configure how long the information about deleted records is stored. By default, the information about a deleted record is stored for 10 days.

The new form is shown in the following screenshot.

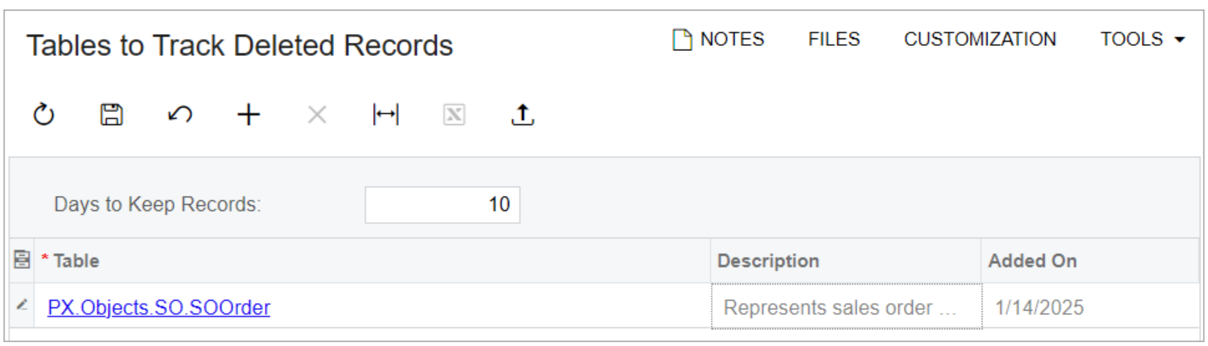


Figure: The new form

Obtaining the List of Deleted Records

To obtain the list of deleted records of a particular DAC, the developer can use the following OData request.

```
GET https://<Acumatica ERP instance URL>/t/<TenantName>/api/odata/dac/<DACName>/
px.GetDeletedRecords()
```

The developer can also filter the records by the date of removal by using the `DeleteDate` field in the *$filter* parameter.

For example, suppose that the developer needs to retrieve the list of sales orders that have been removed since November 1, 2024, from the *U100* tenant of the local Acumatica ERP instance. Further suppose that the `SOOrder` DAC has been added to the list on the *Tables to Track Deleted Records* (SM207010) form. The developer can execute the following request to obtain the list of deleted records.

```
GET https://localhost/AcumaticaERP/t/U100/api/odata/dac/SOOrder/px.GetDeletedRecords()?
$filter=DeleteDate ge 2024-11-01T00:00:00Z
```

> A user can obtain the list of deleted records of a DAC by using this request if the user has access to this DAC through DAC-based OData.

Including the Tracking of Deleted Records in a Customization Project

The developer can include in a customization project the list of DACs for which the system tracks the deleted records. To include this list in a customization project, the developer uses the *Tables to Track Deleted Records* page of the Customization Project Editor, which is shown in the following screenshot. Any of the DACs that are listed on the *Tables to Track Deleted Records* (SM207010) form can be included in the customization project.

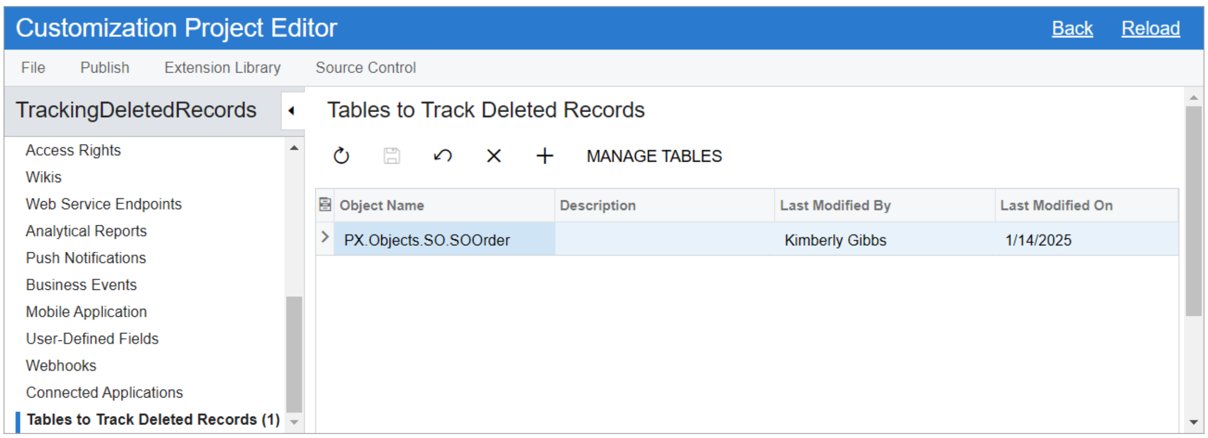


Figure: The new page

Web Services: New Manufacturing Endpoint

Acumatica ERP 2025 R1 provides the new *MANUFACTURING/25.100.001* endpoint. A developer can review this endpoint and obtain its OpenAPI specification on the *Web Service Endpoints* (SM207060) form, which is shown in the following screenshot.

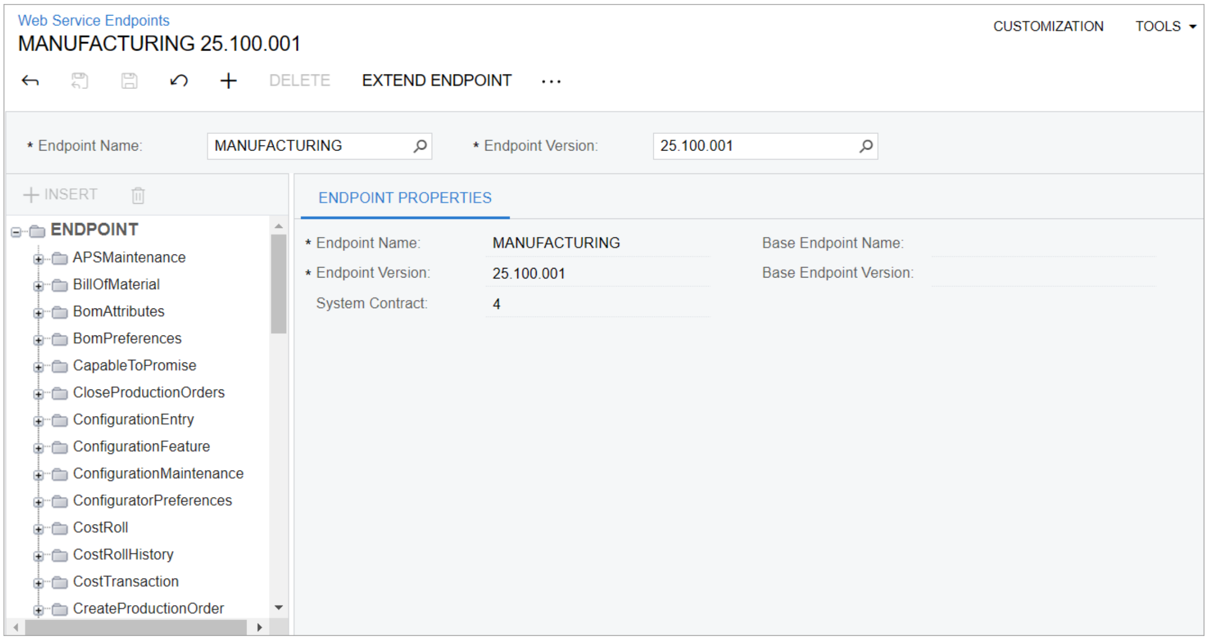


Figure: The new endpoint

The endpoint includes the new `ProductionOrderDatesProcess` entity. The developer can use this entity to update dates in released production orders and operations in a single request. (If the developer uses the `ProductionOrder` entity to update dates, they need to perform three API requests to update the dates in one production order.)

By using the new endpoint, the developer can also obtain the scheduling details of production orders through the following new fields:

- `ProductionOrderDetail.EndDate`
- `ProductionOrderDetail.SchedulingMethod`
- `ProductionOrderDetail.StartDate`
- `OrderOperationDetail.EndDate`
- `OrderOperationDetail.StartDate`

Workflow UI: Viewing of Workflow Changes

In previous versions of Acumatica ERP, a customizer had to open the *Workflows* page of the Customization Project editor for each customization project to learn whether a workflow for a particular form has been modified or whether a custom workflow has been created for this form.

In Acumatica ERP 2025 R1, a customizer can view the list of forms with modified workflows for all published customization projects, without the need to open the Customization Project Editor and investigate each customized screen. Also, from any form, a customizer can determine whether it has workflow modifications.

Forms with Workflow Modifications

A customizer can now view all forms with modified workflows within Acumatica ERP. Suppose that a customizer plans to work with an Acumatica ERP instance and wants to know which forms have modified workflows. Further suppose that in the instance, three customization projects have been published, each affecting one form. These customization projects have modified the respective forms as follows.

Form	Modification
Task (CR306020)	A custom workflow has been created. (In an out-of-the-box system, this form does not have any workflow.)
Opportunities (CR304000)	An inherited workflow has been modified.
Cases (CR306000)	The form's layout has been customized. (The changes do not affect the form's workflow.)

On the *Customization Projects* (SM204505) form of Acumatica ERP, the customizer can learn which forms have modified workflows. To do this, the customizer clicks the new **Screens with Custom Workflow** command on the More menu (under the new **Customization Info** category), as shown in the following screenshot.

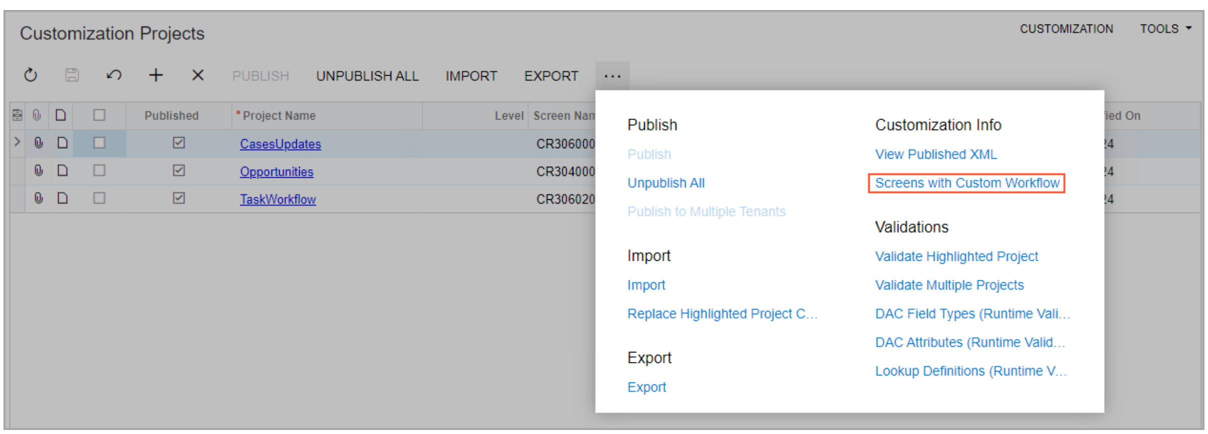


Figure: The new Screens with Custom Workflow command

This opens the **Screens with Custom Workflow** dialog box, which lists the forms whose workflows have been modified, as shown in the following screenshot. Notice that the dialog box contains only two forms: *Task* and *Opportunities*.

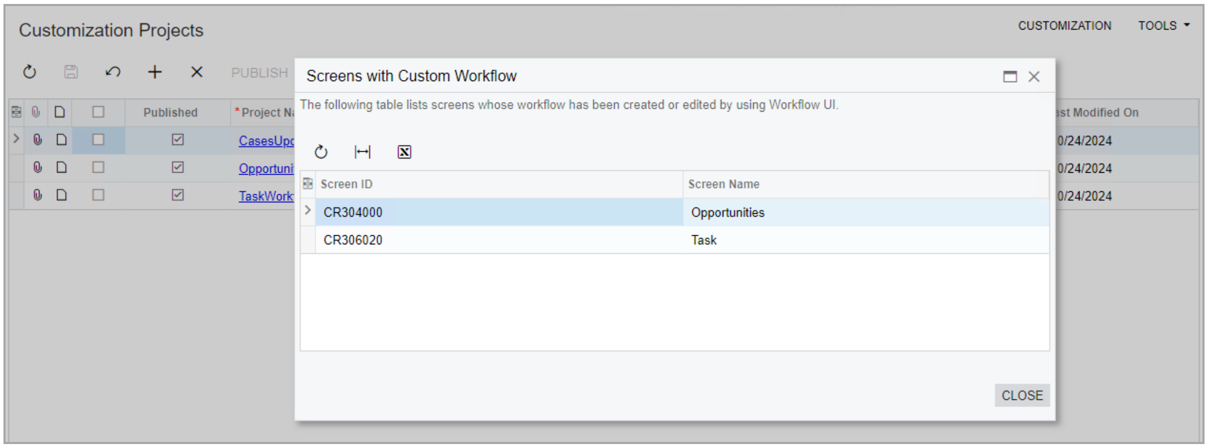


Figure: The Screens with Custom Workflow dialog box

While working with a particular form, the customizer can see if any changes have been made to its workflow by clicking **Tools** on the form title bar. If the workflow has been customized, the system displays the Flow icon to the left of the screen ID, as shown in the following screenshot.

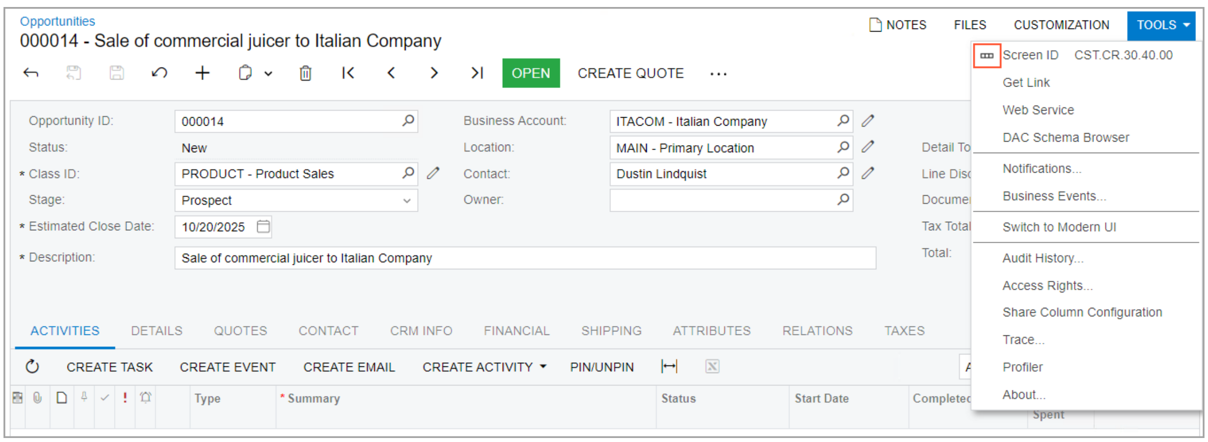


Figure: The Flow icon for the modified workflow

Other Change to the Customization Projects Form

On the *Customization Projects* (SM204505) form, the **Unpublish All** button on the form toolbar (and the corresponding command on the More menu) is now always available, regardless of whether any customization projects have been published.

Fixes and Enhancements

You can find fixes and minor enhancements introduced in Acumatica ERP 2025 R1 in the following document: *Acumatica ERP 2025 R1 Release Notes: Fixes and Enhancements*.