

# Sage 300 Construction and Real Estate

Version 24

Release Notes

April 2025

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Last updated: April 21, 2025

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# Release Overview

## About this document

This document contains information about the current release of Sage 300 Construction and Real Estate. Each Sage 300 Construction and Real Estate application is described in a separate section, which includes information about new features and enhancements for the release, resolved issues, and known issues. If you use integrated products, see [Installation](#) before installing this version.

In addition to reading this document, read the supporting documentation before you install. See [Supporting documentation](#) (the next section).

## About this release

Version 24 of Sage 300 Construction and Real Estate includes enhancements and software fixes. Install version 24.3 for the latest updates.

If you upgrade to version 24.3 from a version prior to 24.2, you also need to install Actian Zen 15 Server or Client separately before installing Sage 300 Construction and Real Estate. Version 24.2 introduced changes in the software installation as its database engine installation has been separated from the software package installation. Redis version 7.2.5 is installed with the 24.3 installation package. A new version of Replicator V2, 2.0.421.0, must be installed with version 24.2 or later.

For versions prior to 24.2, the installation of Actian PSQL is included in the Sage 300 Construction and Real Estate installation package.

**Important!** If you upgrade from version 24.2 to version 24.3, you only need to install the 24.3 upgrade and skip the Actian Zen 15 installation. Make sure you read the [installation instructions](#) before installing Sage 300 Construction and Real Estate.

Highlights of version 24.3 are listed in the following table.

### Highlights of the release

Version	Application / area	Link to details
24.3 Update 1	Payroll (US)	<a href="#">California Pay Data Reporting</a>
24.3 Update 1	Payroll (US)	<a href="#">Employee Setup changes</a>
24.3 Update 1	Project Management	<a href="#">Import very large estimates from Sage Estimating</a>
24.3	Accounts Payable	<a href="#">Updated message on task journals for Distributions</a>
24.3	Accounts Payable	<a href="#">Fixed vendor value in warning of record manual check</a>
24.3	Accounts Payable	<a href="#">Warnings for payments posting to a closed GL Period</a>
24.3	Accounts Payable	<a href="#">Updated year display on warnings for manual or print quick check payments</a>
24.3	Accounts Payable	<a href="#">Removed discount when payment is after the discount date</a>
24.3	Accounts Payable	<a href="#">Issue payment only on selected invoice</a>
24.3	Accounts Payable	<a href="#">Fixed errors in CPRS Preparation Report for Canada</a>
24.3	Billing	<a href="#">Billing transaction files are not deleted when the named files option is unchecked</a>
24.3	Cash Management	<a href="#">Printed bank details in import files with multiple banks</a>
24.3	General Topics	<a href="#">Reduced log file size</a>
24.3	General Topics	<a href="#">Fixed corrupted files with specific payment IDs</a>
24.3	Payroll	<a href="#">Save name updates for labor contractors</a>
24.3	Payroll	<a href="#">Delete labor contractors</a>
24.3	Payroll	<a href="#">Close labor contractors setup</a>
24.3	Payroll	<a href="#">Updated net pay amount printing on direct deposit notifications and check stubs</a>
24.3	Payroll	<a href="#">Updates in the EQ Misc Entry Code details</a>
24.3	Property Management	<a href="#">Increased maximum number of characters for the City field</a>

Version	Application / area	Link to details
24.3	Service Management	<a href="#"><u>Increased maximum number of characters for the City field</u></a>
24.1 Update 3	Accounts Payable	<a href="#"><u>Void Payments in Accounts Payable</u></a>
24.2	Accounts Payable	<a href="#"><u>Set Company payments (CCD) or Individual payments (PPD) for standard entry class codes</u></a>
24.2	Accounts Payable	<a href="#"><u>Void Payments in Accounts Payable</u></a>
24.2	Accounts Payable	<a href="#"><u>Fixed required recipient first and last name</u></a>
24.2	Accounts Payable	<a href="#"><u>ACH file with prenote created successfully</u></a>
24.2	Accounts Payable	<a href="#"><u>Fixed Print Checks</u></a>
24.2	Accounts Payable	<a href="#"><u>Accounts Payable XML API fixes</u></a>
24.2	Database	<a href="#"><u>Redis update</u></a>
24.2	General Topics	<a href="#"><u>Removed live chat button for Australia</u></a>
24.2	General Topics	<a href="#"><u>Upgraded named files</u></a>
24.2	Installation	<a href="#"><u>Database engine installation</u></a>
24.2	Installation	<a href="#"><u>Action Licenses Tool</u></a>
24.2	Installation	<a href="#"><u>Silent installation</u></a>
24.2	Payroll (US)	<a href="#"><u>Incompatible macros for Payroll</u></a>
24.2	Payroll (US)	<a href="#"><u>Aatrix Certified Reports for employees with alphanumeric IDs</u></a>
24.2	Payroll (US)	<a href="#"><u>Aatrix installation</u></a>
24.2	Payroll (US)	<a href="#"><u>Non-certified Class transactions</u></a>
24.2	Payroll (AUS)	<a href="#"><u>Updated processing for Single Touch Payroll Phase 2</u></a>
24.2	Project Management	<a href="#"><u>Set change orders (COs) and commitment COs to not issued</u></a>
24.2	Property Management	<a href="#"><u>Fixed required recipient first and last name</u></a>
24.2	SQL Replicator	<a href="#"><u>New version of Replicator</u></a>
24.1 Update 2	Payroll (US)	<a href="#"><u>Generate Aatrix Certified Reports error resolved</u></a>
24.1 Update 1	Payroll (US)	<a href="#"><u>California Pay Data Reporting</u></a>
24.1	Accounts Payable	<a href="#"><u>New Alternate Address in Vendor Setup for Aat-</u></a>

Version	Application / area	Link to details
		<a href="#">rix T5018 and 1099 forms</a>
24.1	Accounts Payable	<a href="#">New vendor alt address in Check Formats</a>
24.1	Accounts Payable	<a href="#">New check protect amount options in Check Formats</a>
24.1	Accounts Payable	<a href="#">Warnings/Errors for closed periods when paying invoices</a>
24.1	Accounts Payable	<a href="#">AP Summary reports now include AP transactions which originated from PM, PO, and SM.</a>
24.1	Accounts Receivable	<a href="#">Select distributions to pay</a>
24.1	General	<a href="#">Reconciliation dashboard links</a>
24.1	General	<a href="#">Data files fixed with File Doctor</a>
24.1	General	<a href="#">Links to defunct sites removed</a>
24.1	General Ledger	<a href="#">GL current period and calendar correct after Close Current Period</a>
24.1	ODBC/Crystal Reports	<a href="#">New 64-bit DSN for Crystal Reports 2020</a>
24.1	Payroll - Canada	<a href="#">Generate Direct Deposit error resolved</a>
24.1	Payroll - US	<a href="#">New employee pay data report</a>
24.1	Payroll - US	<a href="#">New ACA coverage codes available</a>
24.1	Payroll - US	<a href="#">New message when ACA Coverage codes are missing</a>
24.1	Payroll - US	<a href="#">Fringe Benefits reported on assorted State Certified reports</a>
24.1	Property Management	<a href="#">Current rent and market rent totals corrected in reports</a>



# Support and Assistance

## Supporting documentation


In addition to reading this document, read the supporting documentation from our [product document library](#) before you install:

- The [Important document](#) contains critical and late-breaking topics.
- The [Installation Checklist](#) contains a brief description of the steps involved in upgrading your software.
- The [User's Guide](#) contains installation steps for Sage 300 Construction and Real Estate and Sage Estimating.
- The [Sage SQL Replicator Setup Guide](#) contains information for setting up Sage SQL Replicator.
- The [Sage Construction Central Setup Guide](#) contains information for setting up Sage Construction Central (where selected employees can access Mobile Reports and Mobile Dashboard).

## Online help

Each Sage 300 Construction and Real Estate application includes online help, which provides information about procedures as well as items in the windows.

To access the help in the software:

- In a window, click the [Help] button, click  (the Help button), or press **F1** to display the help topic for that window.
- In an application, select **Help > Help Topics**.

To aid you in finding information, the online help for each application includes the following tabs:

- Contents tab with an outline of the help with links to the help topics.
- Index tab with keywords that link to help topics related to that keyword.
- Search tab, where you can type text and click [Search] to locate that text in the help topics.

## Training

Sage University offers recorded online training sessions to help you get the most out of your software. To access Sage University, either:

- From an application, select **Help > Web Resources > Sage University**.
- From Desktop, select **Help > Sage University**.
- From your browser, visit <http://www.sageu.com/Sage300CRE>.

Contact your business partner for local training.

**Note:** Visit the [Year-end Center](#) to locate the links to complimentary Year-end Procedures training for step-by-step instructions about how to complete year-end closing tasks.

## Technical assistance

Visit [Sage.com/Resources](http://Sage.com/Resources) for links to the Sage Knowledgebase, Sage University, Sage City, and more, or contact your Sage business partner.

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# Installation

Before you install this version, review the supporting documentation from our [product document library](#).

If you use integrated products, see [Installation](#) before installing this version.

**Note:** When you install this version, Sage 300 Construction and Real Estate automatically accesses the licenses for the various applications for which your company is entitled. Before you install, review the number of uses your company has purchased for each application by logging onto the [Sage Customer Portal](#). You will also need to know your Registration Name and 10-digit Sage Client ID. If you need to purchase additional uses, contact your authorized Sage business partner or your Sage customer account manager. Manage your licenses with the License Administrator tool.

The installer detects old operating systems (including Windows XP, Windows Vista, Windows Server 2003, and Windows Server 2008 R1) and will prevent the installation of Sage 300 Construction and Real Estate.

For a complete list of supported operating systems, go to the [Sage Knowledgebase](#), select your product, and search for *System Requirements: Sage 300 Construction and Real Estate version 24*.

## Installation paths

If you are on Sage 300 Construction and Real Estate (Accounting) version 23, 22, 20, or 18.1.3 (Australia Release), you can upgrade directly to version 24.

If you are on any other version 18, we recommend that you upgrade to 20.5 before upgrading to version 24:

1. Back up your data, upgrade to 20.5, and upgrade your data (including Inventory, Purchasing, and Service Management data).
2. Back up your data again and upgrade to version 24.

**Note:** If you are on a version that is earlier than 18, contact your Business Partner for assistance.

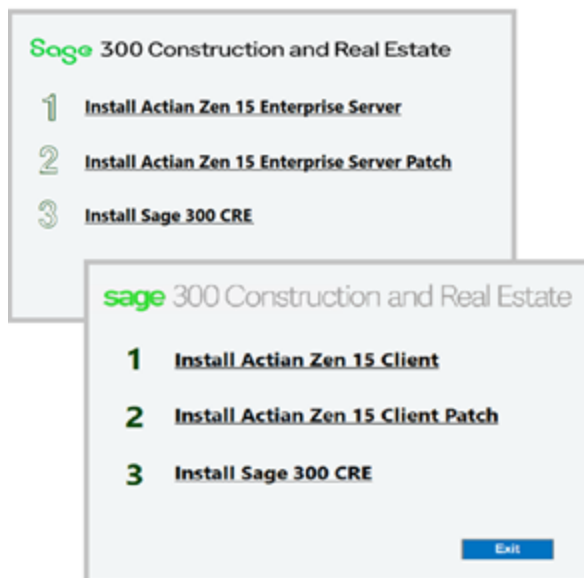
## Integrated products

**Important!** If you use third-party products that integrate with Sage 300 Construction and Real Estate, check with your software vendor prior to upgrading to ensure their product is fully compatible with this release. We **do not** support rolling Sage 300 Construction and Real Estate back to a previous version and **do not** recommend it.

## Updates in version 24.3

### Database engine installation

Sage 300 Construction and Real Estate uses Actian Zen as its database engine. If you upgrade to version 24.3 from a version prior to 24.2, you must install the Actian Zen 15 Enterprise Server or Client separately, before installing Sage 300 Construction and Real Estate.



Prior to version 24.2, the Actian PSQL Enterprise Server installation was included in the Sage 300 Construction and Real Estate installation package and there was no need to install it separately.

**Note:** The versions of Actian Zen that should be deployed are Zen Enterprise Server 15.21.6.0 and Zen Client 15.21.6.0.

**Note:** Make sure to back up your data before running the Sage 300 Construction and Real Estate installer.

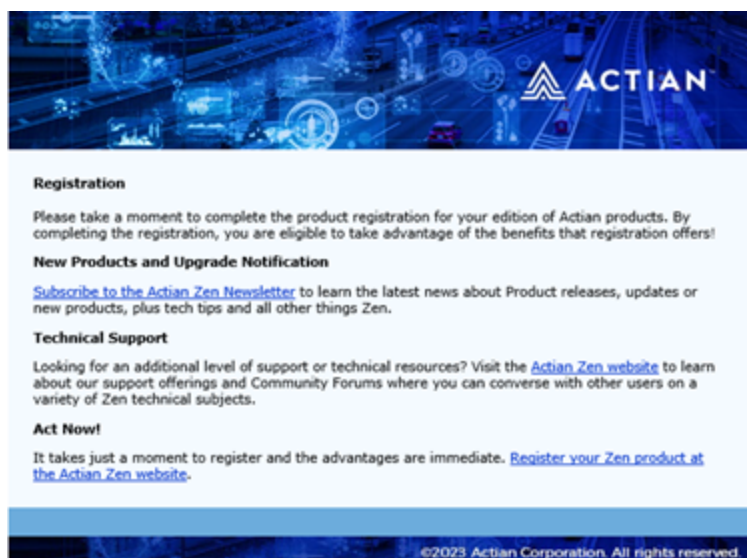
To install Actian Zen Enterprise Server, follow the instructions included in the Sage 300 Construction and Real Estate installation menu that appears after right-clicking and running as an administrator the installer for Sage 300 Construction and Real Estate 24.3:

1. Install Actian Zen 15 Enterprise Server or Client.
2. Install Actian Zen 15 Enterprise Server or Client Patch.
3. Install Sage 300 Construction and Real Estate 24.3.

See the [User's Guide](#) for detailed instructions.

After the installation of Actian Zen is completed, a URL is displayed encouraging you to register at Actian.

**Important!** We recommend that you close the dialog and avoid enabling automatic updates that may interfere with your setup.



**Note:** After completing the Actian Zen Enterprise Server installation, make sure to generate a license using the Actian Licenses tool in Sage License Administration.

## Actian Licenses tool

Sage 300 Construction and Real Estate 24.3 provides a tool that you can use to automate the process of generating an Actian Zen 15 license, needed for the Sage 300 Construction and Real Estate server installation.

After completing the Sage 300 Construction and Real Estate 24.3 installation, you will be assigned a temporary license, which will expire in 30 days. You should run the Actian Licenses tool to generate a permanent license.

To select this option:

1. In License Administration, select **Actian Licenses > Authorize a New Product Key**.

The expiring Actian Zen Enterprise Server license appears with an expiration date.

Licenses	The table on this tab shows Actian product license information. To generate and authorize a new Actian Zen product key, click [Authorize a New Product Key].				
Mobile Licenses					
Actian Licenses	<div> <div>Authorize a New Product Key</div> <div>Update</div> </div>				
Product Name	Product Key	License State	License Type	User Count	Expiration Date
Actian Zen 15 Enterprise		Active	Expiring license applied at instal	20	4/07/2024

2. Click **[Update]**.

The active license and its Product Key display on top with a Permanent License Type and an unlimited expiration date.

Licenses	The table on this tab shows Actian product license information. To generate and authorize a new Actian Zen product key, click [Authorize a New Product Key].				
Mobile Licenses					
Actian Licenses	<div> <div>Authorize a New Product Key</div> <div>Update</div> </div>				
Product Name	Product Key	License State	License Type	User Count	Expiration Date
Actian Zen 15 Enterprise	YXB8W-7DG8T-XGX2Q-YM	Active	Permanent	500	Unlimited
Actian Zen 15 Enterprise		Active	Expiring license applied at instal	20	4/07/2024

The product key is also included in the license backup file `ActianProductKey.txt`, which can be found in the `ProgramData\Sage\TimberlineOffice\9.5\Accounting\Misc` folder.

## Silent installation

The silent server and client installations of Sage 300 Construction and Real Estate 24.2 and later do not include installing Actian Zen. You need to install Actian Zen Enterprise Server or Client first, and then run the silent server and client installations of Sage 300 Construction and Real Estate. For versions prior to 24.2, the Actian PSQL Enterprise Server or Client installation

is included in the Sage 300 Construction and Real Estate installation package and you do not need to install it separately.

If you run the silent server or client installation for Sage 300 Construction and Real Estate 24.3 before installing Actian Zen, you will be notified that the minimum required version of Actian Zen must first be installed.

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# Database changes

## About database changes

As with any release, database changes in Sage 300 Construction and Real Estate applications may affect your custom report designs or custom third-party applications. Contact your authorized business partner to discuss any issues relating to custom reports or third-party applications.

To view fields contained in new records:

- In Report Designer, view the Available Fields report (by selecting **Tools > Available Fields**).
- In Crystal Reports Designer, open an existing report, specify the data source location, add new or modified records, and view the fields through Field Explorer. For more information about this procedure, refer to the **Crystal Reports** chapter of the *User's Guide*.

## Updates in version 24.2

### Redis update

Redis version has been updated to 7.2.5.

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## General Topics

### Enhancement in version 24.3

#### Reduced log file size

When security is enabled, excessive log viewer events that record user log-ins with little information value have now been removed from the log files to reduce their size.

### Resolved in version 24.3

#### Fixed corrupted files with specific payment IDs

Files are not getting corrupted when File Doctor fixes the AP master file.



Previously, when File Doctor was fixing a file, it attempted to replace the payment ID 0 on the Check/Electronic Payment/Credit Card Payment record with payment ID 1. However, if a record with payment ID 1 already existed, File Doctor would fix the file but flag the file as corrupt.

## Resolved in version 24.2

### Removed live chat button for Australia

The Live Chat Button has been removed for Australia as a different channel is used for support.

### Upgraded named files

Named files can now be upgraded using the **Upgrade Files** option in Tools. Previously, the Upgrade Files option failed to upgrade any named files in all applications.

## Resolved in version 24.1

### Data files fixed with File Doctor

Previously, if a gateway system file was deleted, renamed, or moved by mistake and the system attempted to access that file, you could inadvertently overwrite or delete the original data when recreating the data file. Now, you are guided to fix the original file using File Doctor.

*Related Knowledgebase article:* [Error: "An incomplete \[File path\] file already exists."](#)

### Reconciliation dashboard links fixed

All links in the Reconciliation dashboard (**Desktop > Applications > Additional Tools > Reconciliation**) are now operational.

*Related Knowledgebase article:* [Reconciliation tool links are not working](#)

### Help menu links to defunct sites removed

We have removed links to invalid sites previously found in **Help > Web Resources**.

# Accounts Payable

## Enhancement in version 24.3

### Updated message on task journals for Distributions

The AP message on task journals for Distributions was shortened for clarity to the following:

```
"INCOMPLETE CHECK RUN
```

```
Distribution(s) missing GL info."
```

The message was changed for the following task journals:

- Print Checks
- Verify Statement Balance
- Generate Electronic Payments
- Import Invoices
- Post Invoices

## Resolved in version 24.3

### Fixed vendor in warning of record manual check

The closed or future period warning message on the Journal now uses the correct value for the vendor during the record manual check.

Previously, the value of the vendor from the previous payment was not being cleared and was incorrectly used in the warning message appearing on the Journal while processing the record manual check.

### Warnings for payments posting to a closed GL Period

Warnings for manual check and record quick check payments posting to a closed GL Period are now printed in the Accounts Payable journal as long as the **Allow entry to closed period** option is selected in **General Ledger - Company Settings > GL Settings > Processing Options**.

### Updated year display on warnings for manual or print quick check payments

Warnings for manual or print quick check payments now displays a 4-digit year instead of a 2-digit year on the Accounts Payable Journal.

### Removed discount when payment is after the discount date

Discounts are now removed when the payment date is after the discount date. Previously, discounts were applied even when the payment date was after the discount date.

### Issue payment only on selected invoice

Generate Electronic Payments now issues payments on the selected invoice only. Previously, when the Bank Account Use Method was set to **System automatically assigns per distribution**, Generate Electronic Payments was issuing payments on all invoices selected for payment, regardless of the bank account assigned to the invoice.

### Fixed errors in CPRS Preparation Report for Canada

The CPRS Preparation Report now returns correct results for Canada.

To open this report in Accounts Payable, select **Reports > Miscellaneous > CPRS Preparation Report**.

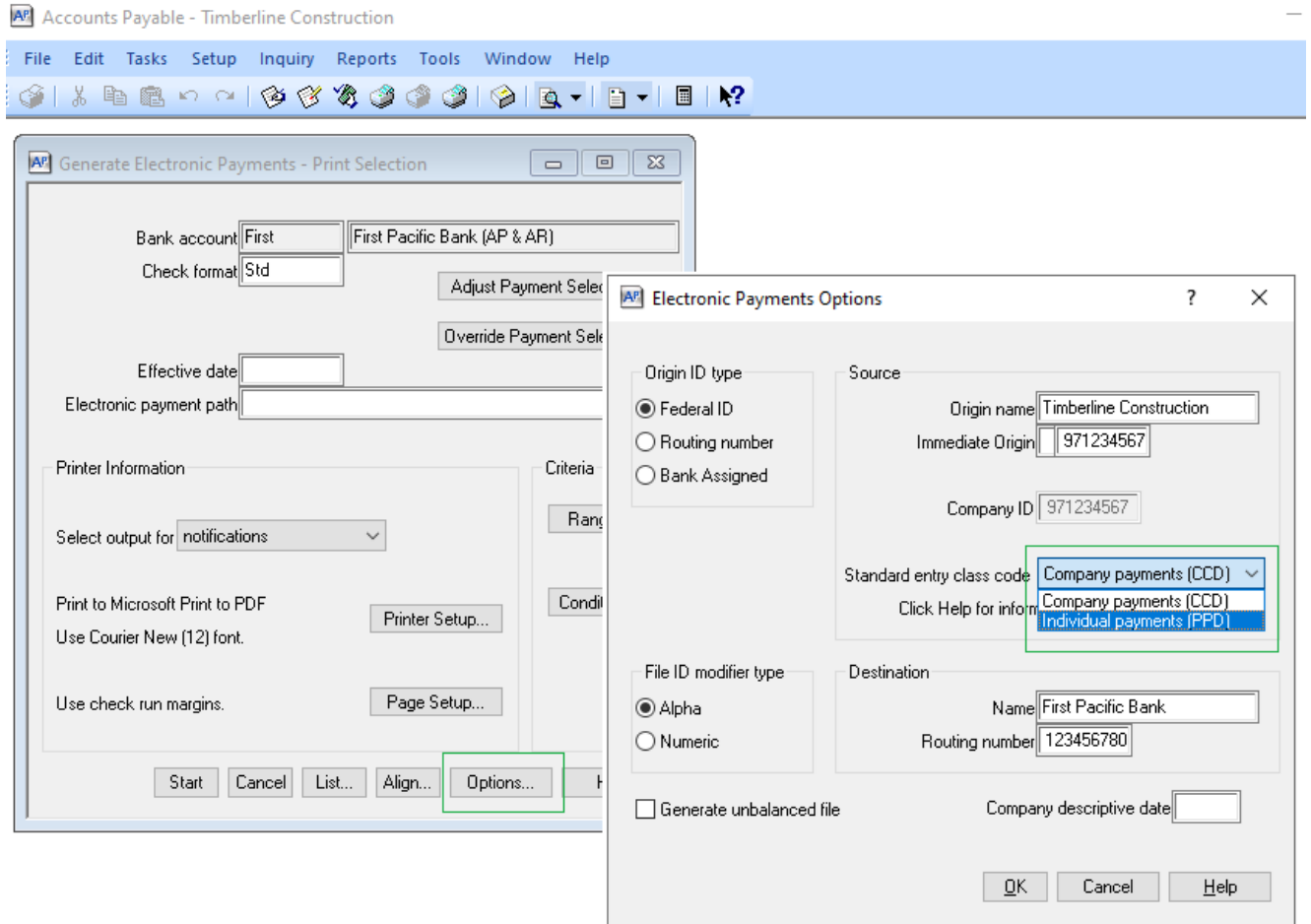
## Enhancement in version 24.2

### Set Company payments (CCD) or Individual payments (PPD) for standard entry class codes

You can now set standard entry class codes to either Company payments (CCD) or Individual payments (PPD).

To select this option:

1. In Accounts Payable, select **Tasks > Generate Electronic Payments**, and click **[Options]**.
2. From the Standard entry class code dropdown, you can select the following options:
  - **Company payments (CCD)**
  - **Individual payments (PPD)**
3. Click **[OK]**.



**Note:** If unselected, the default value is set to Company payments.

## Resolved in version 24.2

### Fixed required recipient first and last name

The recipients' first and last names now display in Accounts Payable. If SS number is set and vendor/tenant is not marked as FEIN, then the company name is parsed to first and last name.

Previously when the Recipient TIN is a SS number and the Recipient Tax Name field was blank, the vendor/tenant name was considered as the Full Name and not the First and Last name. The vendors/tenants that were not marked as FEIN and did not have the Recipient Tax Name field entered were red flagged as missing the First and Last name. Users had to manually enter all the first and last names in the Aatrix Preparer window.

W-2/1099 Preparer [12-3456789 Timberline Construction]

File Edit View Help

Verify 'Check if FEIN' is checked if recipient's TIN is an FEIN



PREVIOUS



NEXT



COMPANY  
SETUP

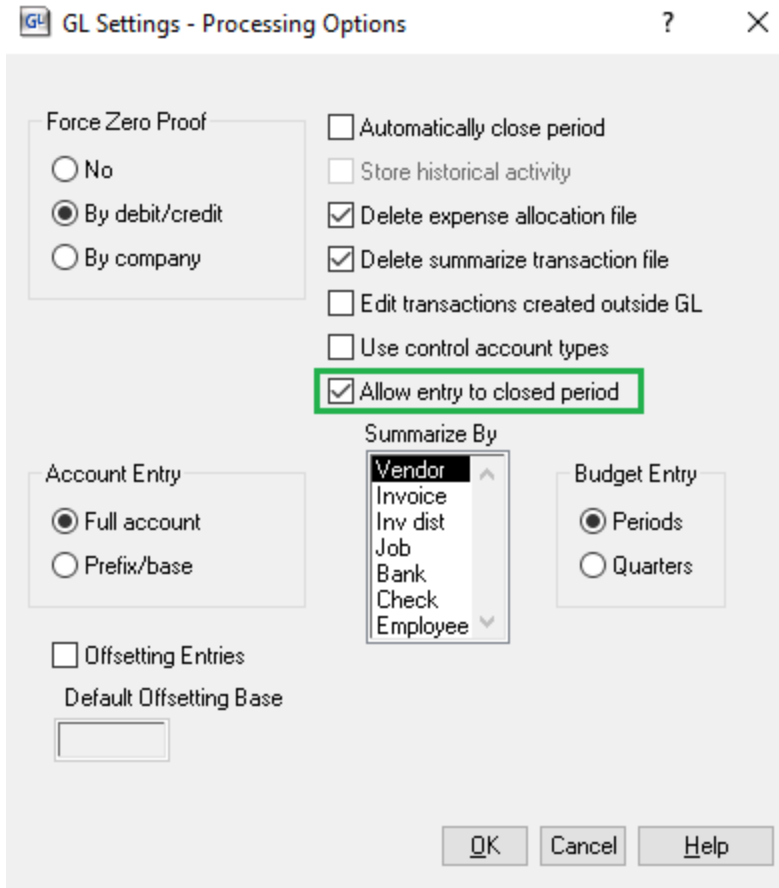
	TOTALS:	Recipients (10)					
	Recipient Last Name	Recipient First Name	Recipient Middle Name	Recipient TIN	TIN Flag	Recipient Company Name	Optional
	Last Name	First Name	Middle Name	Taxpayer ID Number	Check if FEIN	Company Name	Full Na
1				92-784	<input checked="" type="checkbox"/>	Electric Company	
2				97-685	<input checked="" type="checkbox"/>	B & M Inc	
3				93-512	<input checked="" type="checkbox"/>	Roofing Company	
4				24-176	<input checked="" type="checkbox"/>	IPainting	
5				543-71	<input type="checkbox"/>	Bron Signs	Bron

## Void payments in Accounts Payable

You can now void a payment only in a closed period when the option **Allow entry to closed period** is selected.

To select this option:

1. Open **General Ledger Settings > Processing Options** and select the **Allow entry to closed period** checkbox.
2. Click [OK].



## ACH file with prenote created successfully

Accounts Payable Generate Electronic Payments is now successfully creating the ACH file when there is only a prenote.

Previously, the ACH file was not created when there was only a prenote and no other payments. The vendor was getting updated with a prenote date even though the file was not created to send the prenote to the bank.

## Fixed Print Checks

Previously, when Accounts Payable to GL Interface was turned off, Accounts Payable Print Checks would stop working in the background.

## Accounts Payable XML API fixes

The Accounts Payable XML API now does not incorrectly create invoices with on-hold status when vendor, job, or commitment is not on hold.

## Resolved in version 24.1 Update 3

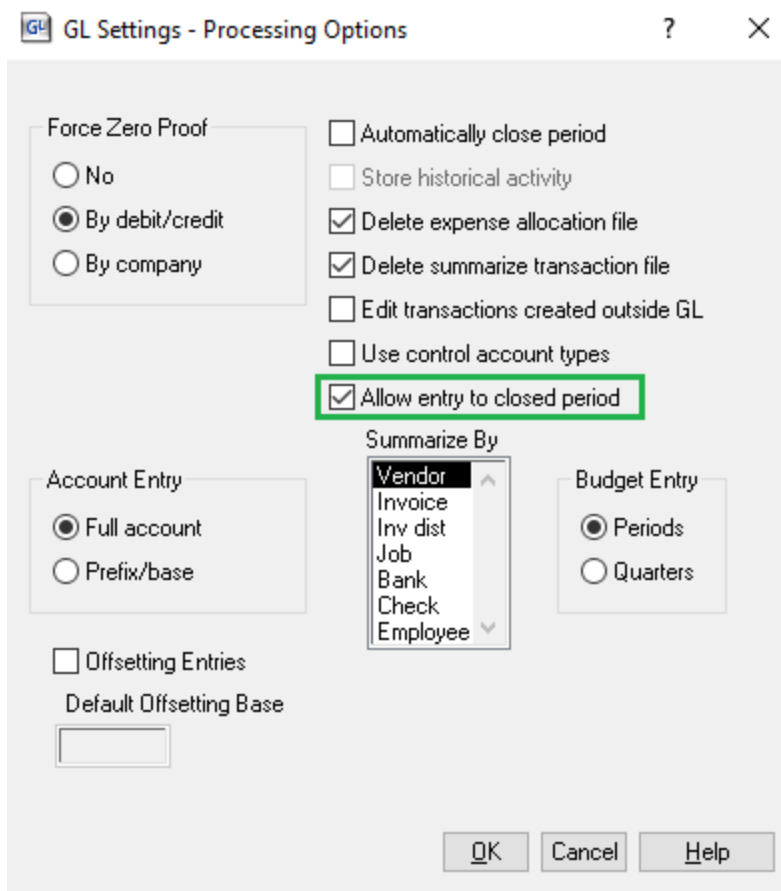
## Void payments in Accounts Payable

### Void payments in Accounts Payable

You can now void a payment only in a closed period when the option **Allow entry to closed period** is selected.

To select this option:

1. Open **General Ledger Settings > Processing Options** and select the **Allow entry to closed period** checkbox.
2. Click [OK].



GL Settings - Processing Options

Force Zero Proof

☐ No

☒ By debit/credit

☐ By company

Account Entry

☒ Full account

☐ Prefix/base

☐ Offsetting Entries

Default Offsetting Base

☐ Automatically close period

☐ Store historical activity

☒ Delete expense allocation file

☒ Delete summarize transaction file

☐ Edit transactions created outside GL

☐ Use control account types

☒ Allow entry to closed period

Summarize By

Vendor

Invoice

Inv dist

Job

Bank

Check

Employee

Budget Entry

☒ Periods

☐ Quarters

OK Cancel Help

## Enhancements in version 24.1

### New Vendor Setup Alternate Address

You can now use alternate address fields in **Vendor Setup** for 1099/T5018 reporting. The alternate address entered in **Vendor Setup** is available when you generate 1099/T5018 reports.

1. Open **Vendor Setup** > **1099 Settings** or **T5018 Settings** tabs.
2. Select **Alternate Address for 1099/T5018** checkbox.
3. Click **[Alt 1099/T5018 Address]** to enter the address.

The screenshot shows the 'Vendor Setup' dialog box with the '1099 Settings' tab selected. The 'Vendor' field contains 'AA 001' and the 'Name' field contains 'AAA Signs'. The '1099 Settings' tab is active, showing various checkboxes and form fields. A green arrow points to the 'Alternate Address for 1099' checkbox, which is checked. Below this, there are fields for 'Recipient's Tax ID Number' and 'Recipient's Tax ID Name'. The 'Form Type' section has four radio buttons: '1099-NEC Non-Employee Compensation' (selected), '1099-MISC Rents/Gross Proceeds', '1099-INT Interest', and '1099-DIV Dividend'. The 'Gross Revenue' field is empty. The '1099 Amount Paid' field shows '149.56' for 'This Year' and '445.00' for 'Last Year'. The 'Misc deduction2 amount dedctd' field is empty. At the bottom, the 'Alt 1099 Addr' button is highlighted with a green box.

	This Year	Last Year	Next Year
1099 Amount Paid	149.56	445.00	
Misc deduction2 amount dedctd			

4. Enter the vendor's alternate address in **Alternate Address for 1099/T5018** for



## Vendor

Alternate Address for 1099/T5018 for Vendor AA 001

Address:

City:

State/Province:  Postal Code:

### New Vendor Alternate Address options in Print Checks

You can now print checks using the vendor's alternate address found in **AP: Setup > Vendors > 1099 or T5018 tab**.

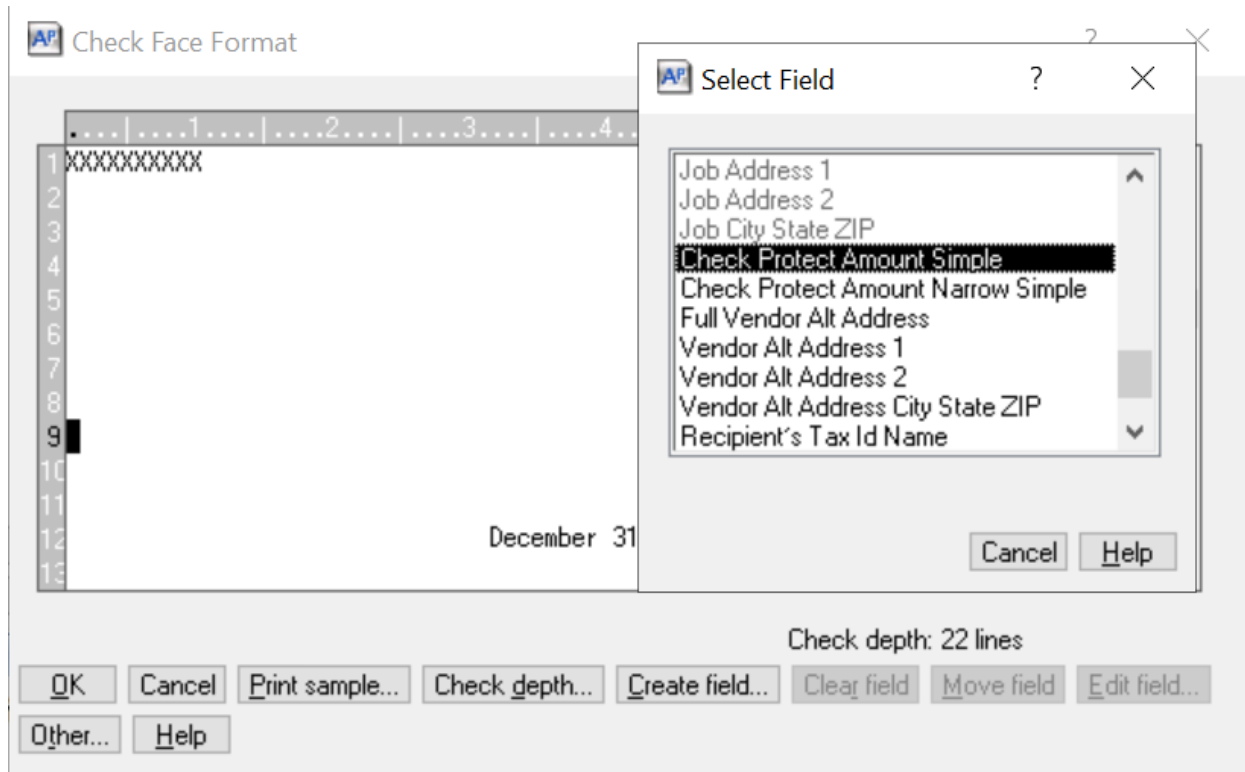
To select this option:

1. In Accounts Payable, open **Tools > Check Formats**.
2. Use the **[List]** button to select any check format, then click **[OK]**.
3. Click **[Edit Face]**.
4. Click on the address line. Verify the **Field: Address** in the bottom left, above the OK, Cancel, and Print Sample buttons.
5. Click **[Clear Field]**, then click **[Yes]** to clear this field.
6. Reposition the cursor to the row and column where you want to place the new check protect amount field.
7. Click **[Create Field]**.
8. Scroll down the list and double-click **Full Vendor Alt Address**.
9. Click **OK**.

*Related Knowledgebase article:* [Can more than one address be entered for a Vendor in Accounts Payable?](#)

## New check protect amount options

Two new check protect options are now available in AP Check Formats. These new options support pre-printed check stock which requires a **Check Protect Amount** field option that does not include the word "Pay".



To select these options:

1. In Accounts Payable, open **Tools > Check Formats**.
2. Use the **[List]** button to select any check format, then click **[OK]**.
3. Click **[Edit Face]**.
4. Click on the line that shows "Pay:  
XXX dollars and  
XXXXXXXXXXXX cents". Verify the **Field: Check Protect Amount** in the bottom left, above the OK, Cancel, and Print Sample buttons.
5. Click **[Clear Field]**, then click **[Yes]** to clear this field.

6. Reposition the cursor to the row and column where you want to place the new check protect amount field.
7. Click **[Create Field]**.
8. Scroll down the list and double-click **Check Protect Amount Simple** or **Check Protect Amount Narrow Simple**.
9. Click **OK**.

*Related Knowledgebase article:* [Can the word "Pay" be removed from the check face in the Accounts Payable check format?](#)

## Resolved in version 24.1

### New warning and error message when paying vendor invoices

When paying invoices, you are stopped from posting to a closed period unless you selected **Allow entry to closed period** in **General Ledger Settings > Processing Options**.

*Related Knowledgebase article:* [Accounts Payable check dates and payment dates may be entered to closed and future periods](#)

### AP Summary reports now include AP transactions originating from PM, PO, and SM

AP Retainage Summary (REC) (CR).rpt and AP Summary (REC) (CR).rpt now include AP transactions which originated from Property Management (PM), Purchasing (PO), and Service Management (SM).

---

# Accounts Receivable

## Resolved in version 24.1

### Cash receipts distributions

Cash Receipts are now distributed correctly when recorded in **Tasks > Manage Electronic Payments**. Distributions for each invoice now display as expected in the **Select Distributions to Pay** window.

---

# Address Book

There were no major updates for this release.

---

# Billing

## Resolved in version 24.3

### Billing transaction files are not deleted when the named files option is unchecked

Billing transaction files are not getting deleted when the named files option is not selected as the file type.

Previously, with the auto-post option enabled and the named files option unchecked, `new.bl` files were corrupted due to timing issues during the deletion process.

---

# Cash Management

## Resolved in version 24.3

### Printed bank details in import files with multiple banks

The bank ID and account number are now correctly printed for all banks in import files that include multiple banks.

Previously, the Import Cleared Checks Journal did not print the bank ID and account number for the first bank when multiple banks were included in the import file.

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## Contracts

There were no major updates for this release.

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## Desktop

There were no major updates for this release.

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## Equipment Cost

There were no major updates for this release.

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## Financial Statements

There were no major updates for this release.

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# General Ledger

## Resolved in version 24.1

**GL Reconciliation Dashboard (REC) (CR).rpt now includes AP transactions that originated from PM or SM**

GL Reconciliation Dashboard now includes AP Transactions which originated from PM and SM.

**GL current period and calendar now correct after Close Current Period**

In rare cases, the GL current period and calendar were reset if **Setup Central** was used after processing was started. This has been corrected.

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# Information Assistant

There were no major updates for this release.

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# Inquiry

There were no major updates for this release.

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# Inventory

There were no major updates for this release.

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# Job Cost

There were no major updates for this release.

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# License Administration

There were no major updates for this release.

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# Mobile Dashboard

There were no major updates for this release.

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## About Mobile Dashboard

The Mobile Dashboard application was new for Sage 300 Construction and Real Estate version 18.1. With this application, selected employees can use a mobile device or computer to view dashboards and dashboard reports with visual information about the state of your company. Those employees who have Dashboard Designer licenses can also import, create, and edit dashboard reports as well as create and edit dashboards. Dashboard reports contain one or more report parts, such as charts or grids with the data. See the [Introduction to Mobile Dashboard video](#) for more information.

To access Mobile Dashboards, your employees use a browser to log into the Sage Construction Central website, select Intelligence in the menu on the left, and then select Dashboards.

Sage provides a variety of dashboard reports that you can import and use for your dashboards; see the following table for descriptions. The [Sage Construction Central Setup Guide](#) also provides information about importing the Sage dashboard reports and creating dash-

boards. You can also select **Support > Help** in the upper-right corner of the Mobile Dashboard page to view the online help.

**Note:** Mobile Dashboards uses your company data stored in the SQL database. You must use the SQL Replicator to copy the data stored in the Actian Zen database and replicate it into a SQL database. See [SQL Replicator](#) for information about the SQL Replicator.

When you purchase Mobile Dashboard, a subscription to the Microsoft Azure Active Directory (AAD) is included. AAD provides a secure connection from your mobile device to your Sage 300 Construction and Real Estate data. You will receive an email with instructions to set up AAD and Mobile Dashboard. For information about setting up ADD, using License Administration to assign the Mobile Dashboard licenses to employees, and using Security Administration to control security for mobile, see the [Sage Construction Central Setup Guide](#).

For information about purchasing Mobile Dashboard, contact your authorized Sage business partner or your Sage customer account manager at 1-800-858-7095 (or email [CRE-sales@sage.com](mailto:CRE-sales@sage.com)).

## Sage dashboard reports

You can import the following Sage dashboard reports to use for creating your dashboards as well as your own dashboard reports. You can also import custom dashboard reports, such as those created by a consultant.

Sage dashboard reports

Report	Description
<b>AP</b>	
Accounts Payable Summary	This report shows the amounts owed each of your vendors. A donut chart shows the open amounts by month and by vendor. A line chart shows the monthly amounts by amount type for all vendors. A bar chart shows the top 10 vendors (ranked by open invoice amount) and their amounts owed. A



Report	Description
	grid shows the vendor, amount paid, invoice balance, open retainage amount, and net amount owed. You can click a vendor to drill down and view open invoice details.
AP Aging - Vendor Detail	This report shows details about the invoice amounts owed your vendors in each aging period. A column chart shows the amount in each aging period. A grid for each vendor shows details about the open invoices, including the invoice number, invoice date, accounting date, invoice amount, and remaining retainage payable. You can filter the chart and grid by vendor.*
AP Aging - Vendor Summary	This report shows the amounts owed each of your vendors in each aging period. A donut chart shows the open amount by aging period and by vendor. A column chart shows the amounts owed all vendors by aging period. A grid shows the vendor, open amount, open retainage amount, average days open, and amounts in each aging period. You can click a vendor to drill down and view invoice aging details.
AP Open Invoice Detail	This report shows details about unpaid vendor invoices. A donut chart shows the open amounts by month and by vendor. A line chart shows the monthly amounts by type for all vendors. A grid for each vendor shows the invoice date, invoice number, amount paid, invoice balance, open retainage, and net amount owed. You can filter the chart and grid by vendor.*
<b>AR</b>	
AR Aging- Customer Detail	This report shows the amounts due from your customers in each aging period. A column chart and pie chart show the amounts due by aging period. A grid for each customer shows the invoice date, invoice number, and open invoice amounts in each aging period.
<b>CM</b>	
Bank Balances	This report shows the current bank account balance (as posted in Cash Management) for each of your company's bank accounts.

Report	Description
<b>JC</b>	
Cost Code Breakdown	This report has a grid for each job showing the cost code breakdown, including the original estimate, approved estimate changes, revised estimate, costs to date, variance between the estimate and the cost to date, and percent completed (based on the costs compared to the revised estimate).
Cost Type Summary	This report shows summary job cost information by cost type. A column chart shows the amounts for each cost type. A grid shows the jobs and the amounts (and % of total) for each cost type as well as the total job-to-date costs.
Job Cost Summary	This report shows summary information about job costs after you select the filters (cutoff date and job not completed as of date). <sup>*</sup> The grid shows the revised contract and estimate amounts, committed costs, cost, billed amount, billed-cost difference, profit, and profit margin.
Job Cost Profitability	This report helps analyze the profitability of a job by showing if the job is more or less profitable at the current stage of the job in comparison to the start of the job. This grid includes columns for Job and Description, Status, Original Contract, Original Estimate, Original Profit, Potential Price, Revised Contract, Potential Estimate, Revised Estimate, JTD Cost, Percent Complete, Cost at Complete, Profit Margin, and Profit Variance. (Available in version 18.2)
<b>PM</b>	
Leasing Summary	After you select the as of date and type the square footage type filters <sup>*</sup> , this report shows the occupancy. A bar chart shows the percent leased by property. A form shows the overall leased area, total area, and percent leased, as well as the number of new leases, renewals, and terminations. A grid shows this information by property.
PM Aging - Lease Detail	After you select the aging basis and aging date filters <sup>*</sup> , this report has an expandable grid for each property showing the amounts due for each unit in each aging period.

Report	Description
PM Aging Summary by Lease	After you select the aging basis and aging date filters*, this report has an expandable grid for each lease showing the amounts due in each aging period. A column chart shows the open amount by charge type. You can click a column to drill down and view the components of that charge type.
PM Aging Summary by Property	After you select the aging basis and aging date filters*, this report shows aging amounts by property. Two column charts show the stacked and unstacked aging amounts for each property. A grid shows the amounts due by property in each aging period. You can click a property to drill down and view lease aging details.
Property Occupancy	This report shows the occupancy percentage for each of your properties. A line chart shows the total monthly occupancy for all property square footage types. You can filter by property or range of months. An expandable grid shows the occupancy for each year, property, type, and month. A grid for a property shows the average occupancy by year and type.

\* After you select a filter, click [Update Results]. If you type text for a filter, press **Enter** and then click [Update Results].

## Sage dashboards

Sage provides two sample dashboards that you can import, which are described in the following table.

Sage sample dashboards

Dashboard	Description
Financial Summary	<p>This dashboard provides an overview of current posted data for CM, AP, AR, and JC:</p> <ul style="list-style-type: none"> <li>• A grid of the Cash Management bank balances</li> <li>• A line chart of the Accounts Payable Open, Invoiced, Paid, and Retainage balances each month</li> <li>• A column chart of the Accounts Receivable balances by aging</li> </ul>

Dashboard	Description
	<p>period</p> <ul style="list-style-type: none"> <li>• A grid of up-to-date job profitability information for each job—comparing original and revised contract amounts, estimated and actual costs, percent complete, projected profit, and profit margin</li> </ul>
Project Summary	<p>This dashboard provides information about current jobs:</p> <ul style="list-style-type: none"> <li>• A bar chart of the open Accounts Receivable amounts by job</li> <li>• A column chart comparing the total estimated labor amount to the total job-to-date labor cost for all jobs in progress</li> <li>• A grid of up-to-date job profitability information for each job—comparing original and revised contract amounts, estimated and actual costs, percent complete, projected profit, and profit margin</li> </ul>

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## Mobile Reports

There were no major updates for this release.

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# ODBC/Crystal Reports

## Updated in version 24.1

### Support for Crystal Reports 2020

Crystal Reports 2020 is now available as a 64-bit application, which requires the use of 64-bit DSNs. Sage 300 Construction and Real Estate version 24.1 now supports Crystal Reports 2020 with the inclusion of a new 64-bit ODBC driver, administrator, and continued support for existing 32-bit User Defined Libraries (UDFs).

**NOTE:** If you use Crystal Reports 2016 or earlier, this change does not affect you. 32-bit Crystal Reports are still supported in Sage 300 Construction and Real Estate.

*Related Knowledgebase articles:*

[Setting Up 64-bit DSNs for PO/IV for use with Crystal Reports 2020](#)

[Setting Up 64-bit DSNs for SM on Client machine for use with Crystal Reports 2020](#)

[Configuration Step doc for making Crystal Reports Portable](#)

See the [User Guide](#) for more detailed information about ODBC and Crystal Reports.

---

# Payroll (Australia)

**Important!** The sample cheque forms that come with Sage 300 Construction and Real Estate may not be fully compliant with all federal and state laws and other requirements, which can differ from one jurisdiction to another. It is your responsibility to familiarize yourself with all applicable laws and requirements, and to modify your cheque forms as needed to ensure compliance.

## Enhancement in 24.2

### Updated processing for Single Touch Payroll Phase 2

Since 1 July 2022, companies are required to submit information about payments to employees to the Australian Taxation Office (ATO) using Single Touch Payroll (STP) Phase 2.

The processing for STP Phase 2 in Sage 300 Construction and Real Estate 24.2 has been updated to include the most recent Australian Tax Office (ATO) Implementation, version 1.9.

---

# Payroll (Canada)

**Important!** The sample cheque forms that come with Sage 300 Construction and Real Estate may not be fully compliant with all federal and provincial laws and other requirements, which can differ from one jurisdiction to another. It is your responsibility to familiarize yourself with all applicable laws and requirements, and to modify your cheque forms as needed to ensure compliance.

## Resolved in version 24.1

### Generate Direct Deposit error resolved

Previously when running **Tasks > Generate Direct Deposit** an error occurred when using a named PR Master file. The correct text file is now generated, enabling direct deposit workflows.

---

# Payroll (United States)

**Important!** The sample check forms that come with Sage 300 Construction and Real Estate may not be fully compliant with all federal, state, and local laws and other requirements, which can differ from one jurisdiction to another. It is your responsibility to familiarize yourself with all applicable laws and requirements, and to modify your check forms as needed to ensure compliance.

## New in version 24.3 Update 1

### California Pay Data Reporting - Changes for 2024 reporting year

California Pay Data Reporting has been updated with changes for the 2024 reporting year.

*Related Knowledgebase article:* [CA Pay Data \(EEO\) Reporting 2024](#)

### Employee Setup changes

A new option is now available to select the Middle Eastern or North African ethnic group in Employee Setup.

To select this option:

In Payroll, open **Setup > Employees > General** and select **MidEastern/N. African** from the **Ethnic group** dropdown.

## Resolved in version 24.3

### Save name updates for labor contractors

You can now save edited names for labor contractors. Previously, a popup appeared preventing the saving of name updates.

To select this option:

1. In Payroll, select **Setup > Other Tables > Labor Contractors**.
2. Edit and save the name of the required labor contractor.

### Delete labor contractors



You can now delete labor contractors with no errors. Previously, an error message appeared requesting for the contractor's id.

### **Close labor contractor setup**

You can now use Alt+F4 to close the Labor Contractor setup options. Previously, Alt+F4 opened the Labor Contractor options.

### **Updated net pay amount printing on direct deposit notifications and check stubs**

The net pay amount printing on direct deposit notifications and on some check stubs now displays the net pay. Previously, it displayed the check amount instead of the net pay.

### **Updates in the EQ Misc Entry Code details**

Updated EQ Misc Entry Code columns to hold the right units when adding Payroll Enter Time.

Previously, EQ Misc Entry Code values shifted columns when entering Payroll Enter Time, if not all columns were filled in or if the Entry Code names were not in alphanumeric order.

To select this option:

1. In Payroll, select **Tasks > Enter Time**.
2. Change the View to EQ and enter the required values.

## **Resolved in version 24.2**

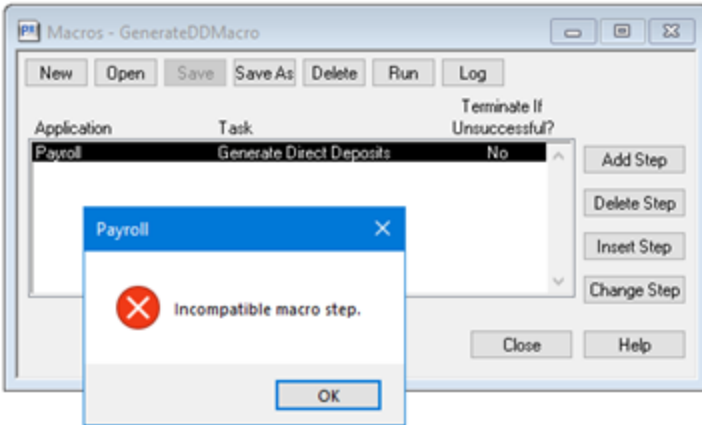
### **Incompatible macros for Payroll**

Payroll Direct Deposits have been updated. Therefore, macros that include running direct deposits have become incompatible and will have to be recreated.

To select this option:

1. In Payroll, select **Tools > Macros**.
2. Click [ **Open** ] to select a macro.

If you run a Direct Deposit macro that was set up before 24.2, you will be notified that the macro step is incompatible.



## Aatrix installation

The Aatrix installation is now included in Sage 300 Construction and Real Estate's installation package to ensure that the latest Aatrix version is always installed with new software versions. Sage 300 Construction and Real Estate installation includes the latest installers posted on the Aatrix portal.

## >Non-certified Class transactions

Non-certified Class transactions appear on the 'Determining Regular Rate of Pay' window of the Payroll when generating State eFile reports and EJW records are included in the auf file.

## Verified in version 24.2

### Aatrix Certified Reports for employees with alphanumeric IDs

Aatrix Certified Reports can be run successfully in 24.2 for employees with alphanumeric IDs and only over time or doubletime on a job.

## Resolved in version 24.1 Update 2

### Generate Aatrix Certified Reports error resolved

Previously when running Aatrix Certified Reports for employees with alphanumeric IDs that have only overtime or doubletime and no regular time on a job, an error message displayed and reports were not generated. Aatrix Certified Reports were generated successfully only for employees with pure numeric IDs.

You can now run Aatrix Certified Reports for employees with alphanumeric IDs and only over-time or doubletime on a job.

## New in version 24.1 Update 1

### California Pay Data Reporting - Changes for 2023 reporting year

California Pay Data Reporting has been updated with changes for the 2023 reporting year.

*Related Knowledgebase article:* [CA Pay Data \(EEO\) Reporting 2023](#)

## New in version 24.1

### New ACA coverage codes for 1095/1094 forms

You can now select from an expanded range of coverage codes in **Payroll Settings > ACA Settings > Default coverage code** and in **Setup > Employee > ACA Coverage > Coverage Code**. The range now includes 1A to 1U.

The screenshot shows the 'Employee Setup' window with the 'ACA Coverage' tab selected. The 'Employee' field contains '103' and the 'Name' field contains 'Lovett, Gregory'. The 'ACA exempt' dropdown is set to 'Full-time'. The 'Coverage code' dropdown is open, showing a list of codes: Default, 1A, 1B, 1C, 1D, 1E, 1F, 1G, 1H, 1I, 1J, 1K, 1L, 1M, 1N, 1O, 1P, 1Q, 1R, 1S, 1T, and 1U. The 'Default' option is highlighted. Other fields include 'Plan share amt', 'Safe harbor code', and 'Origin of policy code'. On the right side, there are buttons for 'Pays', 'Deducts', 'Fringes', 'Taxes', and 'State'. At the bottom, there are buttons for 'Cancel', 'List...', 'Attachments...', 'Delete', and 'Help'. The status bar at the bottom right shows '001 CAP NUM 02/19/24'.

Coverage codes represent the type of health care coverage your company usually offers full-time employees. For information about the codes, see the Internal Revenue website. This code will be used for line 14 (Offer of Coverage) on the 1095-C form for the employee unless it

is changed on the Affordable Care Act Employee Details window. Initially, this is the setting from the ACA Settings window, but you can change it. Search Payroll Help for more information.

## New message when ACA Coverage codes are not set

When you run **Tasks > ACA Compliance**, you are stopped if the **Default Coverage Code** has not been set in **Payroll Settings > ACA Settings**.

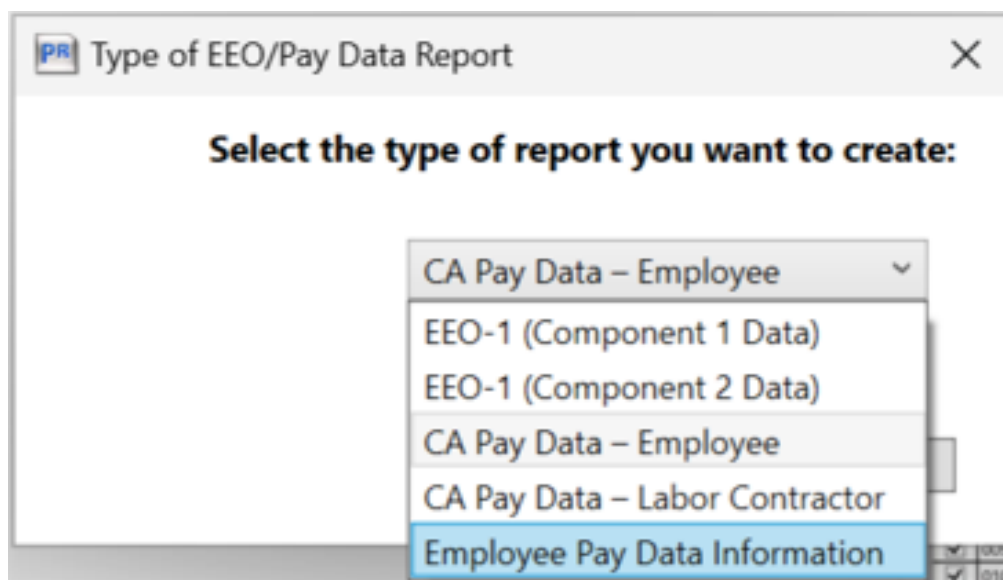
In addition, the ACA Employee Coverage report now shows a "Coverage Code Required!" message when the employee's ACA coverage is full-time or not exempt in **Employee Setup > ACA Coverage > ACA Exempt** and the **Coverage Code** for any month of the selected reporting year field on the **Employee Setup > ACA Coverage** tab is set to **Value not set**. Three asterisks will print on the line associated with each month that the **Coverage Code** is set to **Value not set**.

ACA Employee Coverage						
Timberline Construction			11/16/2022		Page 1	
ACA reporting year: 2022						
<u>Employee</u>	<u>Month</u>	<u>Exempt Code</u>	<u>Coverage Code</u>		<u>Plan Share Amount</u>	<u>Safe Harbor Code</u>
102	Dennis G Sanford		Coverage Code Required!			
2022	January	Full-time	Value not set	***	53.00	Value not set
	February	Full-time	1A		53.00	2A
	March	Full-time	1A		53.00	2A
	April	Full-time	1A		53.00	2A
	May	Full-time	1A		53.00	2A
	June	Full-time	1A		53.00	2A
	July	Full-time	1A		53.00	2A
	August	Full-time	1A		53.00	2A
	September	Full-time	1A		53.00	2A
	October	Full-time	1A		53.00	2A
	November	Full-time	1A		53.00	2A
	December	Full-time	1A		53.00	2A

## New Employee Pay Data report

A new **Employee Pay Data Information** report is available in **Payroll: Tasks > EEO/Pay Data Reporting**.

Learn more about the [employee pay data information report](#).



## Resolved in version 24.1

### Fringe Benefits hourly benefit amount

Fringe Benefits reported on assorted State Certified reports now display the correct hourly benefit amount.

# Project Management

## Resolved in 24.3 Update 1

### Import very large estimates from Sage Estimating

Very large estimates can now be imported from Sage Estimating.

Previously, the integration server prevented the import of very large estimates from Sage Estimating.

## Enhancements in version 24.2

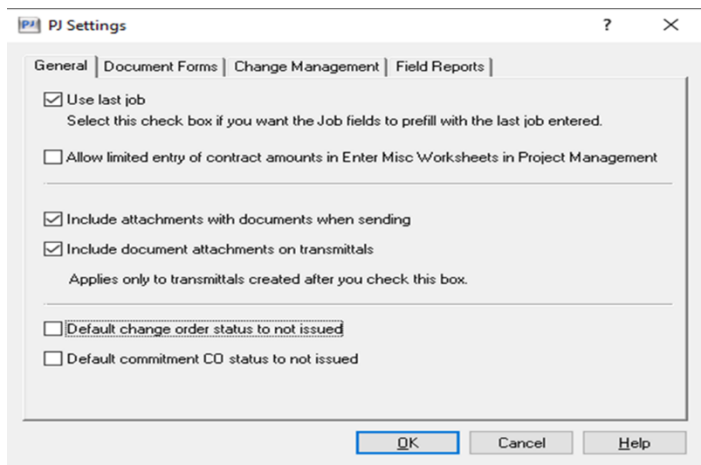
### Set change orders (COs) and commitment COs to not issued

You can now change the default status of change orders (COs) and commitment COs to not issued through PJ Settings.

When the new check boxes are not selected, the default status is approved.

To select this option:

1. In PJ Settings, on the General tab select any of the following check boxes as needed:
  - **Default change order status to not issued**
  - **Default commitment CO status to not issued**
2. Click [OK].



# Property Management

## Enhancement in version 24.3

### Increased maximum number of characters for the City field


The maximum number of characters for the City field in the Property Management (PM) application has been increased to 40 to avoid truncating addresses when syncing data with other applications.

## Resolved in version 24.2

### Fixed required recipient first and last name

Fixed Property Management recipient missing first and last name. If SS number is set and vendor/tenant is not marked as FEIN, then the company name is parsed to first and last name.

Previously when the Recipient TIN was an SS number and the Recipient Tax Name field was blank, the vendor/tenant name was considered as the Full Name and not the First and Last name. The vendors/tenants that were not marked as FEIN and did not have the Recipient Tax Name field entered were red-flagged as missing the First and Last name and users had to manually enter all the First and Last names in the Aatrix Preparer window.

 W-2/1099 Preparer [12-3456789 Timberline Construction]

File Edit View Help

**Verify 'Check if FEIN' is checked if recipient's TIN is an FEIN**

PREVIOUS NEXT COMPANY SETUP

	TOTALS:	Recipients (10)					
	Recipient Last Name	Recipient First Name	Recipient Middle Name	Recipient TIN	TIN Flag	Recipient Company Name	Optional
	Last Name	First Name	Middle Name	Taxpayer ID Number	Check if FEIN	Company Name	Full Name
1				92-784	<input checked="" type="checkbox"/>	Electric Company	
2				97-685	<input checked="" type="checkbox"/>	B & M Inc	
3				93-512	<input checked="" type="checkbox"/>	Roofing Company	
4				24-176	<input checked="" type="checkbox"/>	IPainting	
5				543-71	<input type="checkbox"/>	Bron Signs	Bron

## Resolved in version 24.1

Current rent and market rent totals corrected in reports

In the Desktop Real Estate Home Pages reports, the Current Rent and Market Rent totals are now correct when a unit has more than one unit square footage record.

*Related Knowledgebase article:* [Real Estate Home Pages Property Occupancy subreport the Current Rent and Market Rent totals are incorrect](#)

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## Purchasing

There were no major updates for this release.

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## Remote Time Entry

There were no major updates for this release.

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## Report Designer and Reporting

There were no major updates for this release.

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## Sage System Verifier

There were no major updates to Sage System Verifier for this release.

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## Security Administration

There were no major updates for this release.

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# Server Migration

There were no major updates for this release.

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## Service Management

### Enhancement in 24.3

#### Increased maximum number of characters for the City field

The maximum number of characters for the City field in the Service Management (SM) application has been increased to 40 to avoid truncating addresses when syncing data with other applications.

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## SQL Replicator

### About SQL Replicator

Sage SQL Replicator 2.0 is an improved version of the replicator that was introduced with Sage 300 Construction and Real Estate Version 17.1. Use the replicator to copy your Sage 300 Construction and Real Estate data stored in the Actian Zen database into a SQL database, which enables faster data access for reports. The data is also available for mobile applications, such as Sage Mobile Dashboard and Sage Mobile Reports .

You can specify that Crystal Reports on the menus use the SQL database (instead of the Actian Zen database) by selecting the Use SQL check box. When you access the data from SQL, reports generally run faster.

**Important!** Before you can run the SQL Replicator, use the Sage Universal SQL Installer to install an instance of the SQL database to hold your data. Also install SQL Replicator 2.0 by downloading the **SageSQLReplicator.exe** file and running the installation on your Sage 300 Construction and Real Estate Accounting server.

If you used an earlier version of Sage SQL Replicator, go to the [Sage Knowledgebase](#) before you install.

The size of the replicated data is larger than the original Actian Zen data because the replicator adds views and indexes the data. To determine if you can use SQL Server Express, add the size of the PVDData, POIV Data, SM Data folders and the master.qxm file together for each company. If the sum is greater than 6 GB, you should use the full SQL Server version. Go to the [Sage Knowledgebase](#) for more information. To save space, you can configure the replicator so that only certain tables are replicated.

To configure and start the replicator, use the System Administrator tool, which links to the Configuration Manager window.

You can control security for SQL Replicator in Security Administration. If you set up new roles or make other changes to security, click [Sync Security] on the Replicator Settings tab in the System Administrator window so that the changes are also applied to the SQL database.

For more information about installing and configuring Replicator, review the supporting documentation from our [product document library](#) see the [Sage SQL Replicator Setup Guide](#).

**Note:** Because Sage SQL Replicator now has a separate installer, future updates to the replicator can be installed without having to install a new version of Sage 300 Construction and Real Estate.

## Enhancements in version 24.2

### New version of Replicator V2

A new version of Replicator V2 has been released to work with the new version of Redis that is introduced with Sage 300 Construction and Real Estate 24.2.

Replicator 2.0.374.0 should be used for all replicator installations prior to Sage 300 Construction and Real Estate 24.2. For Sage 300 Construction and Real Estate 24.2, install Replicator 2.0.421.0, which is the latest version.

Once you have upgraded to Sage 300 Construction and Real Estate 24.2, you should also upgrade the replicator to the latest version.

There are no changes for the Replicator V1 installation.

# System Administrator

There were no major updates for this release.