



Sage 100 Contractor 2025 (SQL)

Version 27.1 Release Notes

Canada and U.S. Editions

July 2025

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Installation Notes

Note for Canadian customers

Important! Version 26.2 contained a change in the way Sage 100 Contractor passes the Federal ID number to Aatrix. As of November 2024, you need version 26.2 or a later version to print ROE, T5018, and T4 forms.

Incompatible Windows versions

Caution! Windows versions older than Windows 10 and Windows Server 2016 are no longer supported. Do not install this update if you are using Windows 7, Windows 8, Windows 8.1, Windows Server 2008, Windows Server 2008 R2, Windows Server 2012, Windows Server 2012 R2, or an earlier version of Windows, or you will not be able to open Database Administration or Sage 100 Contractor.

Compatibility with Sage Estimating

Important! Sage 100 Contractor version 27.1 is not compatible with Sage Estimating version 20.1 and earlier versions. If you integrate Sage 100 Contractor with Sage Estimating, do not install Sage 100 Contractor version 27.1 until you install Sage Estimating version 21.1, or later.

Using an older version of SQL Server?

It is good practice not to delay important upgrades of your software, which help to keep your data secure and your computer performing efficiently.

When you log in to Database Administration after upgrading to version 27.1, if the program detects that your SQL Server instance is using an Express edition that is earlier than SQL Server 2019 Express, it will display a new **Upgrade SQL Server Instance** tab that invites you

Using an older version of SQL Server?

to upgrade your instance. For now, you can use version 27.1 without upgrading SQL server. However, you may need to upgrade before the next Sage 100 Contractor update.

As Microsoft makes future cumulative updates available, you can easily install them from this tab.

Note: If you do not use an Express edition of Microsoft SQL Server, Database Administration does not display this tab automatically when you log in. However, you can display the tab to see which version of SQL Server your instance is using and which version of SQL Server we recommend that you use. (Select **Server Management > Upgrade SQL Server Instance.**) You can then install the recommended version, as needed.

Update 2 – July 2025 (Build 27.1.354)

This update contains a new US tax table and fixes for both U.S. and Canada editions.

U.S. Payroll Tax Tables—July 2025

Payroll tax tables have changed for the following jurisdiction:

- Maryland

Enhancements for the U.S. Edition

The following customer-requested enhancements are included in the U.S. Edition of this update:

- If you pay vendors and employees by direct deposit or pay vendors using ACH payments, you no longer have to manually edit the Sage-generated ACH file. You can now enter this data using the new **Company Discretionary Data** fields on the Payroll Direct Deposit Setup tab and the Vendor ACH Payment Setup tab in the **7-1 Company Information** window.

Thanks you, Sabrina K., for noting this opportunity to improve the direct deposit experience.

- Also, in the **7-1 Company Information** window, you can use the **Immediate Prefix** field to specify a prefix for the Immediate Origin code for ACH files. This change accommodates the requirement by some banks to customize the Immediate Origin code.

Fixes in this update

Fixes in Both Editions

This update includes the following software fixes in both the U.S. and Canadian editions:

- Database Administration can again connect to databases that are in SQL Server 2016, or earlier. (Sage 100 Contractor v27.1.288 could not connect to these databases.)
- In the **1-3 Journal Transactions** window, you no longer receive an error message when you select an equipment subaccount and the Equip# column is not the first column in the Equipment selection window.
- The **Not Allow Over Budget Warning** message type works properly when you enter new subcontract records in a newly opened **6-7-1 Subcontracts** window. Similarly, the warning works properly when entering a new purchase order in the **6-6-1 Purchase Orders** window.
- In the **10-1-4-21 Call Sheet** report, the phone number is no longer truncated.
- In the **3-5 Jobs** window, you can reassign job statuses for multiple jobs from **6-Closed** to **5-Completed** using the **Update > Completed Status** menu option.
- Credit card payments entered in the **4-7-6 Pay Credit Cards** window are now included in **1-11 Positive Pay** files.
- In the **5-2-2 Payroll Records** window, we renamed the **Change Job for Computed Payroll** option to **Change Job for Computed or Posted Payroll**.

Fixes for the Canadian Edition

The following issues were fixed specifically for the Canadian edition:

Fixes in this update

- The **4-2-Payable Invoices/Credits** window computes HST properly when you enter a new payables invoice with a purchase order and both the following conditions are true:
 - The vendor's address information *does not* include a province.
 - The vendor has a tax code override.
- In the **7-1 Company Information** window, in the **CRA Program Accounts** dialog, the ID list now includes **RZ**, for the Information Returns program account.

Update 1 – June 2025 (Build 27.1.288)

This update includes tax updates for the U.S. edition and some fixes, which are described in the following sections.

Canadian Payroll Tax Tables

This section highlights federal and provincial tax changes in this update.

Federal Payroll Tax Changes

Effective July 1, 2025:

- The lowest personal income tax rate was reduced.

For information related to this and other changes, see <https://www.canada.ca/en/revenue-agency/services/tax/individuals/frequently-asked-questions-individuals/adjustment-personal-income-tax-benefit-amounts.html>.

Provincial and Territorial Payroll Tax Changes

The following provinces and territories mandated payroll tax changes, effective July 1, 2025:

- Alberta
- Manitoba
- Nova Scotia
- Prince Edward Island
- Saskatchewan

For detailed information on personal amounts, see the TD1 form for each province or territory.

U.S. Payroll Tax Tables

State and Other Government-Mandated Payroll Tax Changes

Payroll tax tables changed for the following jurisdictions in this update:

- Georgia
- Idaho
- Utah
- Virginia

Note about the Alabama Overtime Pay Exemption

Important! The Alabama Overtime Pay Exemption expires on June 30, 2025. If you have payroll for Alabama, you need to use version 27.1, or later, to ensure that the overtime wages tax exemption is not applied past the June 30 expiration date.

Fixes in this update

Fixes in Both Editions

This update includes the following software fixes in both the U.S. and Canadian editions:

- The GL audit now completes successfully even when ledger transactions are missing a date. The audit process has been enhanced to gracefully handle rare cases where a ledger transaction record in the database lacks a date. Previously, this scenario caused the audit to terminate unexpectedly without alerting you. With this improvement, the audit continues uninterrupted and reports any issues clearly, ensuring greater reliability and transparency.
- Improvements in this version ensure that the **7-2-2 User List** window opens smoothly without triggering access errors.

Fixes for the U.S. Edition

The following issues were fixed specifically for the U.S. Edition of Sage 100 Contractor:

- The **5-1-6-21** and **5-1-6-61 Certified Payroll** reports again display Wages and Benefit details when using custom pay types.
- The Aatrix **Form 941** again includes third-party sick pay wages in lines 5a (Taxable Social Security wages) and 5c (Taxable Medicare wages and tips).
- On the Aatrix **federal DOL WH-347** report, cash fringe benefits are calculated correctly for overtime hours from certified payroll. (State reports were correct before this update.)
- When computing Alabama state income tax withholdings, Sage 100 Contractor calculations now correctly compares the check date with the expiration date of the

Fixes in this update

Alabama Overtime Pay Exemption to determine whether earnings qualify for the exemption.

- Also, for the **Alabama Overtime Pay Exemption**, the program now correctly handles exempt hours and wages that are present in the second week of a biweekly payroll period.

U.S. Payroll Tax Tables

State and other government-mandated payroll tax changes

Payroll taxes changed for the following jurisdictions, effective January 1, 2025:

- Maryland (state and county)

Other enhancements in Version 27.1

This section describes the new features and enhancements you will find in version 27.1.

We've been listening to you!

At Sage, we love hearing from you about the features you want to see in Sage 100 Contractor. We do our best to incorporate them, so keep them coming!

Version 27.1 includes the following popular suggestions from the Sage Ideas site.

- In the **3-7 Progress Billing** and the **3-9 Unitary Billing** windows, you can change the calculated retention (holdback) amounts in the detail grid and the total retention amount in the lower part of the window.

Important! Overriding the calculated retention (or holdback) can create discrepancies in the retention (holdback) shown on progress billing reports.

Thank you for your suggestions, Tina O., Cindy C., Heather F., and Manuel A.

- In the **3-6 Receivables Clients** window, a new **[Completed Orders]** button is available at the bottom of the window. You can use it to view work orders that have a Completed status.

Note: These are work orders that are completed, but are not going to be billed.

Thank you for this suggestion, Jennifer H.

- If payment information changes for a vendor after you open the **4-3-2 Pay Vendors** window, you can use a new Refresh button  to update the list of vendors to pay. You no

longer have to close and then reopen the window to refresh the list.

Thank you for this suggestion, Beverley M.

- In the **4-4 Vendors** window, the Invoice Payments window now includes the job associated with each paid invoice.

Thank you for this suggestion, Tina B.

- For the **5-1-2-41 Payroll Check Register~Totals Page** report, you can choose a new **Separate Reports by Employee** option to print a separate Totals page for each employee.

Thank you for this suggestion, Rachel E.

- When you first open an Employee lookup window, the program displays employees with Current status by default. When you open the window subsequently, the program uses the status you chose the last time you used the window.

Thank you for this suggestion, Michael L.

Enhancements in US and Canadian editions

Version 27.1 includes the following improvements in both the US and Canadian editions:

- Closing or archiving payroll now also captures the data in custom fields as it existed at the end of the payroll year.
- Rates for markups, margins, overhead, profit, discount, and taxes now allow up to 4 decimals.
- We changed the confirmation message that appears when you change the job on a computed payroll record to indicate that you need to redisplay the record before you see

the change.

- For purchase orders that include details with no cost code, those details are no longer included in the **6-8-1 Cost to Complete** record.
- On the Options menu in the **6-8-1 Cost to Complete** window and the **6-8-2 Hours to Complete** window, we changed the Update option to **Update Costs From Budget** and **Update Hours From Budget**, respectively. We also added new buttons with these names for these functions.

Enhancements for the U.S. Edition

Sage 100 Contractor Version 27.1 includes the following enhancement specifically for the U.S. Edition:

- Sage 100 Contractor now includes support for the Aatrix federal **DOL WH-347 Report New** certified payroll form. You need version 27.1 to print this form.
- In the **3-5 Jobs** window, the **Certified Payroll** tab in the U.S. Edition includes new fields for an Awarding Contractor. This information is used on some Aatrix Certified State Payroll reports.

Note: The information and the fields available on this tab varies, depending on the state certified report.

- A new custom field, **Alabama Exempt OT Expiration**, is available for the **5-3-1 Payroll Calculations** window. Sage 100 Contractor uses this field only for state income tax calculations where the Tax State is AL. It creates the field automatically if you have an existing state tax calculation for Alabama or if you add one.

The default entry for the field is 6/30/2025, the current expiration date for the Alabama state income tax overtime wage exemption. The program will not exclude overtime wages

when calculating Alabama state income tax for payroll entries dated after June 30, 2025. However, you can change the date in this field if the expiration date changes or remove it if there is no longer an expiration date.

Do you have a product idea you want to share with us?

Do you have a product idea you want to share with us?

We want to hear it!

To suggest a product enhancement when you're working with Sage 100 Contractor:

1. On the Sage 100 Contractor desktop, click the **Home & Resources** tab > **Submit Product Idea**.
2. Log in to the Sage 100 Contractor Ideas site (or sign up).
3. Describe your idea.
4. (optional) Browse through others' suggestions, and vote for the ones you love!

Or visit <https://www5.v1ideas.com/TheSageGroupplc/Sage100Contractor> any time you're online!

Fixes in Version 27.1

Fixes in Both Editions

Version 27.1 includes the following software fixes in both the U.S. and Canadian editions:

- When you export the **2-9-21 Statement of Cash Flows** report to Excel, the formula for **Net cash used by financing activities** in the spreadsheet is again correct.
- If you change an employee's bank account after a final computation, you receive a message stating "Payroll for period ending mm/dd/yyyy is already final computed. Any changes to banking information for this employee will go into effect with their next paycheck (paycheque)." Your changes will take effect in the computed payroll record.
- You now receive an error message if you try to change the job on a posted payroll record from a WIP job to a non-WIP job (or vice versa). This is to prevent errors in the ledger transaction for that record.
- When you run a combined fiscal year and payroll year archive, Sage 100 Contractor recalculates the QTD/YTD totals in the current company, resetting employee totals.
- You can again copy and paste a single value into multiple cells and you can paste a single row into multiple rows in a grid.
- The program no longer displays the Custom Field Properties window when you save a record after deleting all the custom fields for the window.
- You no longer receive an error if you set a positive minimum value for numeric custom fields.

- The program now warns you if you try to save a **Tax Type 11 - Workers Compensation** payroll calculation when there is more than one calculation using that tax type and the new workers comp calculation or an existing comp calculation has no tax state. If there are multiple workers comp calculations and one or more has no tax state, all the workers comp amount are computed and assigned to payroll records.
- In the **1-3 Journal Transactions** window, if you edit the amount paid to a vendor in a transaction posted in the 1-1 Checks/Bank Charges window or the 1-4 Recurring Transactions window, Sage 100 Contractor updates the vendor's 1099 balance (or the T5018 balance in Canada) accordingly .
- You can again run a **6-1-3-41 Job Labour Hours Actual/Budget~With Uncomputed Payroll by Cost Code** report when you have custom pay types that are subject to accrual for time off.
- In the **4-2 Payable Invoices/Credits** window, you no longer receive an error when you save a payable invoice that includes manually entered use tax but no Use Tax District, and the Use Tax Payable account uses subaccounts.
- You no longer receive an error when you refresh a report after changing the report criteria, and no records match the new criteria.
- In the **4-7-3 Credit Card Receipt** window, even if you attach a file to a credit card receipt before you select a vendor, Sage 100 Contractor now passes the files to the resulting paid AP Invoice.
- Employer cost calculations using **Calculation Method 6 - % Disposable Income (net)** are no longer improperly deducted from the employee's pay.

- In the **6-6-1 Purchase Orders** window, if you change the job in a purchase order, the address for the new job is updated properly.
- The **6-1-2-52 Job Cost Journal~by Job/Phase/Cost Code** and the **6-1-2-54 Job Cost Journal~by Job/Phase/Cost Code** are now grouped properly by cost code.
- When you create a new company from an existing company where there are job-based subaccounts, the program now removes those subaccounts in the new company.
- Making the Job field or the Check# column required fields in the **3-3-1 Cash Receipts** window no longer prevents you from posting in the **3-3-2 Electronic Receipts** window.
- In the **3-5 Jobs Budget** window, the Quantity Changes column reflects Budget Units from all approved change orders, not just the quantity of the most recent change order.
- In **Database Administration**, when you upgrade your SQL server instance, the status message showing "Installing" does not continue to appear after installation is complete.
- The **Show/Hide Columns** grid function is no longer available in grids to which it does not apply. (
- Sage 100 Contractor no longer attempts to upgrade SQL if you manually installed your own SQL Server using a GDR (General Distribution Release) version. GDR releases use a different update process that Sage 100 Contractor does not install or manage.
- T&M Billing now computes properly for Per Diem costs when you use Wage Rate tables.
- When you print 3-4 Statements with invoices that include finance charges, the amount of the invoice subject to the charges no longer appears in the Phone# field of the finance charge invoice.

Fixes for the Canadian Edition

The following issue was fixed specifically for the Canadian edition:

- The **2-11-21 GST/HST Filing Report-Excluding Quebec** and the **2-11-22 GST/HST Summary Report-by Province (Excluding Quebec)** now include amounts for the GST/HST Collected account.
- On the **T-4 slip**, **Box 26** includes CPP2/QPP2 pensionable earnings.

Summary of enhancements in earlier versions of Sage 100 Contractor (SQL)

Earlier versions of Sage 100 Contractor (SQL) provided a wide variety of new features, including many enhancements that our customers have requested.

The following table is a list of the most significant features introduced in earlier versions, details of which you can read about in the Release Notes for the respective version.

Enhancement (For details, see the v26.3 Release Notes)	U.S. Only	Canada Only	API
• A new 1099 column in the vendor All Payments from Accounting Transactions window	x		
• A new T5018 column in the vendor All Payments from Accounting Transactions window		x	
• General Ledger transaction for credit card payments do not include 1099 amounts	x		

Enhancement (For details, see the v26.2 Release Notes)	U.S. Only	Canada Only	API
• Separate first name and last name fields for Vendor 1099 forms	x		
• The ability to undo a final payroll computation without having to void, copy, and paste each record			
• The ability to sort by employee names by first or last name			
• The ability to delay delivery of emailed pay stubs until a future			

Summary of enhancements in earlier versions of Sage 100 Contractor (SQL)

Enhancement (For details, see the v26.2 Release Notes)	U.S. Only	Canada Only	API
check date			
• Several improvements to the 6-2-1 Cost to Complete window			
• Miscellaneous enhancements			

Enhancement (For details, see the v26.1 Release Notes)	U.S. Only	Canada Only	API
• The ability to archive accounting and payroll records at the same time			
• A new ACH (or EFT) Payment Receipt report			
• New Positive Pay formats required by some banks			
• The ability to generate a list of employee email addresses			
• New built-in queries that show cleared bank or credit card transactions			
• Support for the Vermont Child Care Contribution Tax	x		

Enhancement (For details, see the v25.3 Release Notes)	U.S. Only	Canada Only	API
• New items on the Resources menu			
• Custom reports to help satisfy special state reporting requirements	x		
• New process for tax-exempt Alabama overtime	x		
• Reduced minimum tax calculation for certain Nebraska	x		

Summary of enhancements in earlier versions of Sage 100 Contractor (SQL)

Enhancement (For details, see the v25.3 Release Notes)	U.S. Only	Canada Only	API
employees			
<ul style="list-style-type: none"> A new type of Employer Provided Dental Coverage field in employee records 		x	
<ul style="list-style-type: none"> New payroll tax types to accommodate Second CPP or Second QPPSecond CPP and QPP 		x	

Enhancement (For details, see the v25.2 Release Notes)	U.S. Only	Canada Only	API
<ul style="list-style-type: none"> In the 3-5 Jobs window, we added a new Certified Payroll tab that contains additional certified reporting fields. 	x		
<ul style="list-style-type: none"> In Accounts Payable, you can specify whether a line in a purchase order is subject to sales tax. 	x		
<ul style="list-style-type: none"> We added two new 1099 type (5 - Medical and 6 - Dividends) that will be passed to the Aatrix 1099 DIV form. The previous type 5 - No 1099 was adjusted to 7 - No 1099. 	x		
<ul style="list-style-type: none"> We added a totals row to the 4-1-1-61 Vendor 1099 Report. 	x		
<ul style="list-style-type: none"> We added a totals row to the 4-1-1-61 Vendor T5018 Report. 		x	
<ul style="list-style-type: none"> In Payroll, you can add, edit, and delete pay types using a new 5-3-10 Custom Pay Types window. 			
<ul style="list-style-type: none"> Several other improvements 			

Summary of enhancements in earlier versions of Sage 100 Contractor (SQL)

Enhancement (For details, see the v25.1 Release Notes)	U.S. Only	Canada Only	API
• Ability to create a Positive Pay file for protection against fraud			
• New Purchase Order# and Subcontract# fields to apply payments to a subcontract or a purchase order			
• New 4-7-7 Import Credit Card Transactions window			
• Ability to reconcile downloaded credit card transactions			
• Ability to edit posted credit card transactions			

Enhancement (For details, see the v24.3 Release Notes)	U.S. Only	Canada Only	API
• New quarterly and year-to-date reports	x		
• Updated tax tables			

Enhancement (For details, see the v24.2 Release Notes)	U.S. Only	Canada Only	API
• Streamlined pre-built General Contractor Accounts and Subcontractor Accounts			
• The 3-5 Jobs (Accounts Receivable) grid displays changes for each cost type along with original budget amounts			
• Ability to remove computed but not posted time and material invoices			
• Ability to filter on cost codes in some lookup windows in Accounts Payable			

Summary of enhancements in earlier versions of Sage 100 Contractor (SQL)

Enhancement (For details, see the v24.2 Release Notes)	U.S. Only	Canada Only	API
• Ability to easily display credit card charges and payments in some Accounts Payable windows			
• Ability to keep multiple years of payroll records with your current company			
• Separated payroll close and payroll archive processes			
• A new Default Overtime Over 40 Hours Per Week option in 5-2-2 Payroll Records			
• A new 11-1-10-41 Combined AR/SR Tax Report	x		
• Ability to select records by Transaction for the 2-6-0-21, 2-6-0-31 and 2-6-0-41 Check Register reports			

Enhancement (For details, see the v24.1 Release Notes)	U.S. Only	Canada Only	API
• Account distributions on direct deposit pay stubs			
• GL Transaction Source Security			
• Payroll Admin security			
• Ability to import client contacts into a job			
• Ability to set rules for editing purchase orders			
• Ability to use Twilio as your email method			
• Ability to view user activity			
• Easily identify invoiced work orders on the Dispatch Board			

Summary of enhancements in earlier versions of Sage 100 Contractor (SQL)

Enhancement (For details, see the v24.1 Release Notes)	U.S. Only	Canada Only	API
• Attribute wages and withholding tax for reciprocal state income tax	x		
• Standardized Occupation Code (SOC) in employee records	x		
• Many more improvements that customers asked for			

Enhancement (For details, see the v23.3 Release Notes)	U.S. Only	Canada Only	API
• New Aatrix 1099-NEC Forms	x		

Enhancement (For details, see the v23.2 Release Notes)	U.S. Only	Canada Only	API
Many customer-requested enhancements for both editions, including (and this is only a partial list):			
• A new window for printing deposit slips			
• Ability to add custom email messages for direct deposits			
• Ability to change jobs on computed payroll records			
• Better sorting on grids			

Enhancement (For details, see the v23.1 Release Notes)	U.S. Only	Canada Only	API
Simple Time Entry			
Sage Time mobile app			
Easily Allocate Inventory-Related Use Taxes	x		

Known issues and comments

The following sections describe known issues and problems in Sage 100 Contractor Version 27.1.

Minor audit issues in Canadian Sample Company data

You may notice small errors in the Payroll Audit Report for the Canadian sample data.

This is an issue in the sample data, only, and should not occur when printing the audit report for your company.

Compliance and Payroll Checks

Important! The sample check forms that come with Sage 100 Contractor may not be fully compliant with all federal, state, and local laws, and other requirements that can differ from one jurisdiction to another. It is your responsibility to familiarize yourself with all applicable laws and requirements, and to modify check forms as needed to ensure compliance. For information about customizing check forms, see 13-5 Form/Report Page Design in the Sage 100 Contractor help, or contact your Sage business partner for assistance.

Internet access required for Sage 100 Contractor

Sage 100 Contractor features, such as printing or efile tax forms, submitting enhancement requests, accessing Help, or downloading periodic product or tax updates all require Internet access.

To take advantage of these features, ensure that any workstation or server that Sage 100 Contractor is installed on has access to the Internet.

During installation of Sage 100 Contractor, the computer serving as the Sage license server must be able to connect to the Internet to obtain licenses. Once installation is complete, you can check out license uses for each computer where Sage 100 Contractor is installed, then disconnect the Sage license server from the Internet.

Configuring anti-virus software and third-party firewalls

During installation of the Sage 100 Contractor Hosting Framework, the Windows Firewall is configured automatically to enable the Sage 100 Contractor Hosting Framework to act as a TCP server. If you use some other firewall, you may need to manually adjust some settings in the firewall in order to ensure proper operation.

You can use the following procedure to configure the Windows Firewall manually to allow the Sage 100 Contractor Hosting Framework to communicate with other computers. Use it as the basis for manually configuring other third-party firewall products.

To configure the Windows Firewall:

1. Click **Start > All apps > Control Panel > System and Security**.
2. Open **Windows Firewall**, and then select **Allow a program or feature through Windows Firewall**.
3. Select Sage 100 Contractor **Hosting Framework** on the list, if it is not selected.

Note: By default, the exception is set to allow access by any computer on the network. You can refine this setting by selecting the **Change Scope** button. Be aware that restricting the scope incorrectly can cause the computer to be unable to connect with some or all of the other machines on the network.

Files to exclude when manually configuring your firewall for Windows 10 Professional 32-bit

- C:\ProgramData\Sage\Sage 100 Contractor SQL
- C:\Program Files\Sage\Sage 100 Contractor SQL
- C:\ProgramData\Aatrix Software
- C:\Program Files\Aatrix Software

Software and hardware required to support Microsoft SQL Server

- C:\%LocalAppData%\Sage\Sage 100 Contractor SQL
- Network location of Sage 100 Contractor SQLdata. (If you install SQL Server Express using Database Administration, this location is C:\Sage100Con\Company\.)

Files to exclude when manually configuring your firewall for Windows 10 Professional 64-bit

- C:\ProgramData\Sage\Sage 100 Contractor SQL
- C:\Program Files (x86)\Sage\Sage 100 Contractor SQL
- C:\Program Files (x86)\Aatrix Software
- C:\ProgramData\Aatrix Software
- C:\%LocalAppData%\Sage\Sage 100 Contractor SQL
- Network location of Sage 100 Contractor data. (If you install SQL Server Express using Database Administration, this location is C:\Sage100Con\Company\.)

Software and hardware required to support Microsoft SQL Server

Version 27.1 requires an instance of Microsoft SQL Server. You can download and use Microsoft SQL Express at no charge, or you can use the full version of Microsoft SQL Server. You can even start using Microsoft SQL Express, and upgrade to the full version of Microsoft SQL Server later, if necessary.

When you first open the new Database Administration tool, the program tries to configure an instance of Microsoft SQL Server with optimal settings for Sage 100 Contractor for you. If you do not already have an instance of Microsoft SQL Server, you can let the Database Administration tool download, install, and configure Microsoft SQL Express for you.

Refer to Knowledgebase article 240926192207720 for detailed information about supported operating systems and software, and for minimum hardware requirements.

Installation of Microsoft SQL Server on a domain controller is not recommended

Microsoft recommends against installing SQL Server on a domain controller, and does not support SQL Server on a read-only domain controller should you encounter any problems with this configuration.

Because you must install Database Administration on the same machine as SQL Server, you should not install Database Administration on a domain controller. To guard against inadvertent installation on a domain controller and the potential for irrecoverable data losses, you will receive a warning if you attempt to install Database Administration on a machine used as a domain controller .

For more information, see the Microsoft Knowledgebase article <https://support.microsoft.com/en-us/kb/2032911>.

About .NET Framework

.NET 4.8 Framework is required

If Microsoft .NET 4.8 Framework is not already installed, it will be installed automatically when you install Sage 100 Contractor. Installation of .NET 4.8 Framework alone may take up to 20 minutes per computer.

Make sure that both your client and server computers meet the minimum requirements for installing both Sage 100 Contractor software and .NET 4.8 Framework.

Note: If Sage 100 Contractor requires an installation of .NET 4.8 Framework, the Sage 100 Contractor installation process may continue automatically after the .NET Framework installation is completed. If you are prompted to restart your computer after the .NET Framework installation, you must do so to continue the Sage 100 Contractor installation.

.NET 3.5 is also required

In some situations, you may need to turn on .NET 3.5 manually by selecting the .NET 3.5 checkbox in the Windows Features dialog box. For more information, see Knowledgebase article ID 68381, available at

<https://support.na.sage.com/selfservice/viewdocument.do?externalId=68381>.

Turning on Microsoft .NET 3.5

Microsoft .NET 3.5 must be available and enabled prior to installing Sage 100 Contractor.

If you attempt to install Sage 100 Contractor without .NET 3.5 installed, you receive the following message during the licensing install:

“Sage.CRE.HostingFramework.Service v3.2 has stopped working.”

When you click [OK], the installation continues, but the services have not been installed so Sage 100 Contractor cannot open. The Sage.CRE.HostingFramework Service does not install unless .NET 3.5 is installed. If you receive the above message during installation, install .NET Framework 3.5., and then reinstall Sage 100 Contractor.

The following instructions are for Windows Server 2008 R2.

To verify that .NET 3.5 is installed:

1. Click the **Start** button in the lower left corner of the display.
2. Highlight **Administrative Tools** and select **Server Manager**.
3. In the **Server Manager** interface, click **Features** to display all the installed Features in the right-hand pane. Verify that .NET Framework 3.5.1 is listed.

To enable .NET 3.5:

1. In the **Server Manager** interface, select **Add Features** to display a list of possible features.
2. In the **Select Features** interface, expand **.NET Framework 3.5.1 Features**.
3. Once you expand **.NET Framework 3.5.1 Features**, you will see two checkboxes. Check the box next to .NET Framework 3.5.1 and click **Next**.

4. In the **Confirm Installation Selections** interface, review the selections and then click **[Install]**.
5. Allow the installation process to complete and then click **[Close]**.

Note: Enabling .NET Framework 3.5.1 may require a reboot.

About network configuration and TCP Remoting Channel

Sage 100 Contractor uses the TCP Remoting Channel, a Microsoft .NET Framework component, to enable communication among computers on a network. By default, Sage 100 Contractor uses the TCP starting port 48760. Certain configurations can potentially disable the communication:

- You must enable file sharing on your computers. To enable file sharing, follow the instructions in the Windows Help.
- TCP communication requires the selection of port numbers that are not in use by other processes on the local computer.
- Software firewalls running on the local computer can be configured to block processes from opening TCP ports, which will prevent communication through the TCP Remoting Channel.

PCI DSS Compliance

PCI DSS stands for Payment Card Industry Data Security Standard. It was developed by the major credit card companies as a guideline to help organizations that process card payments to prevent credit card fraud, cracking, and other security weaknesses and threats.

A company processing, storing, or transmitting payment card data must be PCI-compliant or risk losing its ability to process credit card payments and being audited and/or fined. (For more information about PCI standards, see <https://www.pcisecuritystandards.org/>.)

Sage 100 Contractor payment processing works exclusively with Paya to enable merchants to seamlessly process check and credit card transactions directly in Sage 100 Contractor. The payment processing program uses Paya Exchange, a secure payment-processing application, to connect to Paya and process check and credit card transactions.

Integrating your financial and operations system with Paya lets you process check and credit card transactions without storing your customers' sensitive card information in your database. Paya Exchange transmits check and credit card details through a secure connection to Paya, where they are stored in a PCI-compliant vault, protecting your from exposure to non-compliance penalties and credit card fraud.

Caution! To avoid non-compliance with PCI standards, do not store credit card information in Sage 100 Contractor. Such storage creates unnecessary risk for your business and your customers.

Tax Forms and eFiling by Aatrix configuration requirements

Tax Forms and eFiling by Aatrix requires an Internet connection for two reasons:

- For updating forms and executable files.
- For electronic filing (eFiling) of the forms.

If you experience an Internet connection problem, it may be due to problems communicating through an Internet firewall. Firewalls need to have access allowed through specific ports:

- The Tax Forms and eFiling Updater uses standard SSL/HTTP port 80 to access the site <http://updates.aatrix.com>.
- The eFiling component uses secure HTTPS on port 443 to access the site <https://efile.aatrix.com>.

By allowing access to aatrix.com, you allow both updates and eFiling. Occasionally, restrictions are tighter and only allow access to these ports by specific programs. Tax Forms and eFiling uses the following programs to access the Internet.

For updating using http on port 80 to <http://updates.aatrix.com>:

- aatrixforms.exe
- updater.exe
- updater2.exe

For eFiling using secure http on port 443 to <https://efile.aatrix.com>:

Use Adobe Reader Version 8.1.3 or later for faxing

- builder.exe
- viewer.exe

Use Adobe Reader Version 8.1.3 or later for faxing

Customers have reported problems faxing from Sage 100 Contractor with versions of Adobe Reader earlier than 8.1.3. Adobe Reader Version 8.1.3 and later support faxing from Windows and from Sage 100 Contractor.

Important! To fax from Sage 100 Contractor, the Windows Fax Service component must be installed with your Windows operating system. For more information about installing the Windows Fax Service component, see the Sage 100 Contractor Help topic, "Installing the Windows Fax Service component."

Configuring Windows regional and short date format

To specify regional formats for Windows:

1. In **Control Panel**, click **Clock, Language, and Region**.
2. Click **Region and Language**.
3. On the **Formats** tab, select the format for your country.
4. Under **Date and time formats**, from the Short date format drop-down list, select the format used for your country.
5. Click **[OK]**.
6. Close the **Clock, Language, and Region** window.

Windows "Sleep Mode" prevents computers from obtaining a license use

If the computer you are using as a license server goes into sleep mode, other computers on the network cannot obtain a license.

To avoid this possibility, set **Sleep Mode** on your license server computer to **Never**.

Windows "Sleep Mode" prevents computers from obtaining a license use

To set the Sleep Mode to "Never":

1. Go to **Control Panel > System and Security > Power Options**.
2. Select **Change when computer sleeps**.
3. From the **Put computer to sleep** list, select **Never**.