User Installation Guide for the SAS® System Version 9 for Microsoft® Windows®

Where to Begin

The System Requirements Wizard

The SAS Setup Wizard

Removing SAS Software

The Power to Know.
Where to Begin

Most people who install the SAS System can be considered either administrators or end users. This *User Installation Guide* is intended for end users. The instructions on the following pages will help you install the SAS System Version 9.

If you need to perform a setup or other system administration tasks, please refer to the *Administrator Guide for the SAS® System Version 9 for Microsoft® Windows®*.

To find configuration information and instructions for customizing the installation of specific SAS components and products, please refer to *Post-Installation Guide for the SAS® System Version 9 for Microsoft® Windows®*.

Successful Installation

SAS Technical Support strongly recommends that you shut down all programs, including virus-scanning programs, before proceeding with this installation. Keeping a virus program running increases the possibility that one or more reinstallations of SAS software will be necessary.
# User Installation Guide for the SAS® System
## Version 9 for Microsoft® Windows®

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Installing the SAS® System Version 9 for Microsoft® Windows®

Users have two ways to install SAS, Client and Personal installations.

If the System Requirements have not been updated by a System Administrator, users can update their System Requirements, as described in “The System Requirements Wizard for Users” on page 6.

Client Installation
A Client installation uses the SAS Installation Wizard, SAS Setup, to install the software you need to run SAS in association with shared files on a network server.

Before a client installation can be performed, a System Administrator creates a server for clients, as described in the Administrator Guide for the SAS System Version 9 for Microsoft Windows.

This method allows a majority of the files used by SAS to be stored in a central location and shared by multiple clients.

Personal Installation
A Personal installation uses the SAS Installation Wizard, SAS Setup, to install all the software you need to run SAS on your PC. In general, users who complete a Personal Installation of the SAS System are planning to run SAS without a server installation of SAS software in the network.

If you are installing from CDs, you are installing a Personal Installation. A Personal Installation can also be performed by using the SAS Setup Wizard from a network location created by your System Administrator.
The System Requirements Wizard for Users

The System Requirements Wizard makes sure that the minimum system requirements are installed on your computer before the SAS System is installed.

The System Requirements Wizard may update system components that are part of the operating system. Updating these components to appropriate levels is an important part of a successful SAS System installation.

It is possible that some of the system components that need to be updated by the System Requirements Wizard will be in use by the operating system. Unfortunately, this situation will require a reboot of the computer to properly update the system components in use.

Closing down all other running applications, including virus programs, before starting the System Requirements Wizard can keep the number of required reboots to a minimum. The number of reboots that will be required can vary from computer to computer, since it is determined by the level of the system components installed on the computer when the System Requirements Wizard is run.

Starting the System Requirements Wizard

To start the System Requirements Wizard, complete the following steps:

1. Insert the CD-ROM labeled “Setup Disk” into the source drive. The SAS System AutoPlay should appear if AutoPlay is enabled on your computer.

   If this does not happen, or if you are running from a network location provided by your administrator, select the Run menu option from the Windows Start menu and type:
   
   `<source_drive>\SETUP`

   In this context, `<source_drive>` is the drive containing the SAS System installation media.

2. Select “Verify System Requirements” from the list of options.

Updating to Minimum System Requirements

After starting the System Requirements Wizard, follow these steps:

1. Carefully read the Welcome dialog and then select Next.
2. The next window displays a complete list of all system components that need to be updated by the System Requirements Wizard. Review the list and click Next.

If the computer already satisfies the minimum system requirements, a dialog appears to indicate that no updates are required for this computer.

3. The update process begins for any system components listed in step 2. Some system components may require a reboot of the computer. Carefully read the instructions on the reboot dialog.

- If you elect to reboot, the System Requirements Wizard restarts automatically following the logon process.
- If you elect not to reboot, the System Requirements Wizard exits. Run the System Requirements Wizard when you are ready to continue updating the system components.

4. When all system components have been updated, a final dialog appears stating that the computer has been updated to the minimum system requirements for the SAS System.

**System Requirements Wizard Dialogs**

This section describes the steps required to update your system to the minimum system requirements for the software.

Users run the System Requirements Wizard and respond to the dialogs as each window is presented. Most of the dialogs described below offer directions printed here in bold text. These represent the quickest method for updating your system.

**Sequence of System Requirements Wizard Windows**

- Welcome to the System Requirements Wizard
- Automatic Log On
- System Components Update
- Restarting Windows
- System Update Finished

**System Requirements Wizard Dialogs & Directions**

**Read** *Welcome to the System Requirements Wizard*

**Click** Next.

Or, click Cancel to exit the SAS Requirements Wizard.
**Read Automatic Log On**
The System Requirements Wizard may require several reboots. If you want to log on automatically after any reboots, enter your password in the Password field. This is optional, and you can click Next to skip automatic log on. If you enter a password, you will need to enter it again in the Confirm password field.

**Click** Next.
Or, click Back to view the *Welcome to the System Requirements Wizard* screen, or click Cancel to exit the System Requirements Wizard.

**Read System Components Update**
This window displays the names of the system components that will be updated on your system.

**Click** Next.
Or, click Back to view the *Automatic Log On* screen, or click Cancel to exit the System Requirements Wizard.

**Read Restarting Windows**
This window displays the names of the system components that have been updated on your system, and indicates that your computer must be rebooted.

SAS recommends that you reboot your computer now.

**Click** on one of the two radio buttons:
- Yes, I want to restart my computer now.
- No, I will restart my computer later.

If you choose to reboot, close all open applications and remove any floppy disks from the disk drives.

**Verify** that all virus scanning software has been disabled after the computer restarts.

Setup will resume when the computer restarts. If Setup does not resume after the computer reboots, restart Setup from the AutoPlay.

**Click** Finish.

**Read System Update Finished**
This dialog indicates that the System Requirements Wizard has updated your system.

**Click** Finish.
The SAS Setup Wizard for End Users

This section describes the steps required to install and run SAS. Users respond to the dialogs as each window is presented.

Most of the dialogs described below offer directions printed in bold text. The lines that begin with bolded words represent the quickest setup method. Dialogs that are shown indented below may not be a part of your installation.

All Setup dialogs are listed below according to the order in which SAS Setup presents them, with the exception of the dialogs that can appear more than once. These are grouped on page 14.

Starting the SAS Setup Wizard

To start SAS Setup, complete the following three steps:

1. Insert the CD-ROM labeled “Setup Disk” into the source drive. The SAS System AutoPlay should appear if AutoPlay is enabled on your computer.

   If this does not happen, or if you are running from a network location provided by your administrator, select the Run menu option from the Windows Start menu and type:
   
   `<source_drive>:\SETUP`

   In this context, `<source_drive>` is the drive containing the SAS System installation media.

2. If the “Choose Setup Language” appears, click OK to select the highlighted language for the Setup dialogs.

   You may also click on the pull-down menu to view other language choices, or click Cancel to exit.

   Note: This dialog will not be presented more than once when you run Setup programs from within the AutoPlay. The language for those Setup dialogs will be the same as the one chosen for the AutoPlay itself.

3. Select “Install SAS Software” from the list of options.
SAS Setup Wizard Dialogs

Sequence of Setup Windows
Welcome to the SAS Setup Wizard
System Requirements Check
Retrieve SAS Installation Data
SAS Installation Data
SAS Installation Data Not Found
Language Selections
Default Language
Add/Remove SAS Software
SAS Shared Files
Choose Destination Folder
Specify Data Files Folder
Specify Temporary Files Folder
Select Components
Start Copying Files
Confirm Update
SAS Setup Complete

SAS Setup Wizard Dialogs & Directions

Read Welcome to the SAS Setup Wizard
Click Next.
Or, click Cancel to exit the SAS Setup Wizard.

Read System Requirements Check, if Setup displays this window.
Click the checkbox next to Run System Requirements Wizard.
Click Finish to run the System Requirements Wizard.
For more information on the System Requirements Wizard, please refer to page 6.
After the System Requirements Wizard updates your system, you can restart the SAS installation.
Or, click Back to view the Welcome to the SAS Setup Wizard screen again, or click Cancel to exit Setup

Read Retrieve SAS Installation Data
Select Existing, unless you plan to specify a different file, or expect to provide the SAS Installation Data later.
Most users can use the network location provided by an administrator.
However, if your SAS Installation Data is in a different location, select File to enter that location on the SAS Installation Data File dialog. More information on that window can be found below.
Click Next.
Or, click Back to view the previous screen, or click Cancel to exit Setup.
Read **SAS Installation Data**, if Setup displays this window.
Type the full path for your SAS Installation Data file, or click Browse to locate the directory.
If the SAS Installation Data file cannot be found, you will receive an error message.
**Click** Next
Or, click Back to view the Retrieve SAS Installation Data screen, or click Cancel to exit Setup.

Read **SAS Installation Data Not Found**, if Setup displays this window.
**Click** Okay

Read **Language Selections**, if Setup displays this window.
Click Select All to choose all the languages that are available to you, or select Clear All to deselect the chosen listings.
**Click** Next.
Or, click Back to view the previous window, or click Cancel to exit Setup.

Read **Default Language**, if Setup displays this window.
This window displays all the languages chosen on the **Language Selections** window.
**Click** the box next to the language that you want to select for your default language.
**Click** Next.
Or, click Back to view the **Language Selections** window, or click Cancel to exit Setup.

Read **Add/Remove SAS Software**, if Setup displays this window.
If an earlier version of SAS was installed on the computer, file extensions may be registered to either the version of SAS that you are installing now, or to the earlier version (Version 8 or and earlier release). No software will be removed from your computer in this process.
**Click** on one of the two radio buttons:
• Register SAS filetype actions to Version 9
• Keep SAS filetype actions registered to Version 8
**Note:** If you keep filetype actions registered to the previous version, then default context menu items in the Windows Explorer window will default to the previous version instead of following Version 9.
**Click** Next.
Or, click Back to view the previous window, or click Cancel to exit Setup.
**Read SAS Shared Files** if Setup displays this window.
Some files that are installed by Setup are shared between multiple SAS products and/or multiple SAS releases. Most users can use the location listed on the screen.
If you want your shared files in another folder, click Browse.
If you have not installed SAS before, or if you have uninstalled SAS and cleaned your Windows registry, you will be prompted for the location of these files.
**Note:** If Version 8, Release 8.1, or Release 8.2 is installed on your system, the installation of Version 9 will overwrite some earlier shared components. Your Version 8, Release 8.1 or Release 8.2 production system will then contain Version 9 functionality.

**Click** Next.
Or, click Back to view the previous screen, or click Cancel to exit Setup.

**Read Choose Destination Folder**
**Click** Next to install SAS in the destination folder listed on the screen.
Or, click Browse to choose a different folder. Click Back to view the previous screen, or click Cancel to exit Setup.

**Read Specify Data Files Folder**
By default, the Windows user profile directory is created in the location shown in this window. If you select this default choice for the Windows directory, multiple users can use SAS on the same computer.
Personal data folders are created automatically.
**Click** Next to accept the default directory, or click Browse to specify a different directory. Click Back to view the *Choose Destination Location* screen, or click Cancel to exit Setup.

**Read Specify Temporary Files Folder**
As SAS processes your data, temporary files are created.
**Click** Next to select the folder listed on the screen as the location for these temporary files.
Or, click Browse to specify a different folder. Click Back to view the *Specify Data Files Folder* screen, or click Cancel to exit Setup.

**Read Select Components**
This window displays the components that have been selected for your installation. To make changes to this list, select the components that you want to install, and deselect the components that you do not want to install.
Click Select Licensed Software as a quick way to select only the components that are listed in your software license.
**Click** Next.
Or, click Back to view the *Specify Temporary Files Folder* screen, or click Cancel to exit Setup.
Read **Start Copying Files**
At this point in the installation, Setup has enough information to start copying the program files.

**Click** Next if you are satisfied with the settings.
Or, if you want to review or change any settings, click Back to return to the **Select Components** screen.
Click Cancel to exit Setup.

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**Read Confirm Update** if Setup displays this window.
This window appears when Setup finds a file extension, such as `.LOG`, that is already used by another application. Setup can associate files that use this extension for use by SAS, but this change could affect other applications. You can change your current preference so these files will be associated with SAS, or you can leave the previous choice in place.
Here are the choices you can make from this window:
- If you would like Setup to change the file extension association and enable SAS functionality, click Yes to make SAS Version 9.0 the default application for files using this extension.
- Click No to leave the previous association for the file extension in place.
In addition, you can check the box at the bottom of the window before you click Yes or No, if you would like all other file extensions already in use to be handled in the same manner.
Click Cancel to exit Setup without completing the procedure.

There are two alternatives for the final dialog in the sequence:

**Read SAS Setup Complete** if Setup displays this window.
At this point, Setup has installed the SAS software. If you want to launch the SAS System now, click that checkbox. If you want to view the Post-Installation Guide now, click that checkbox.

**Click** Finish.

**Read SAS Setup Complete** if Setup displays this window.
At this point, Setup has copied all the required files to your computer. However, some files could not be updated because they are in use. These will be updated automatically when you reboot your computer.

**Click** on one of the two radio buttons:
- Yes, I want to restart my computer now.
- No, I will restart my computer later.
If you choose to reboot, close all open applications and remove any floppy disks from the disk drives.
**Verify** that all virus scanning software has been disabled after the computer restarts.
**Click** Finish.
Dialogs Used More than Once in Setup
The following three dialogs appear as needed during SAS Setup Wizard procedures:

**Read Setup Status**
This dialog is displayed while Setup performs the requested operations. No action is required.
If you click Cancel, you will exit Setup, and the program will not be installed.

**Read Exit Setup**
Setup can be completed later, but if you quit Setup now, the program will not be installed.
Click No to resume Setup, or click Yes to quit.

**Read Choose Folder**
This dialog is used to browse for an available folder. Navigate through the nested folders until you find the correct one for your installation.
**Click** OK to select the folder.
Or, click Cancel to return to the previous screen.

**Installing the SAS System Viewer**
The SAS System Viewer is available to users during a CD installation and after an Administrator lays down the image on the server. The SAS System Viewer Installation Wizard can be reached from the Install Utilities selection on the AutoPlay window.
Removing SAS Software

For an end user, the process of removing or uninstalling SAS software works just as it does for any other Windows software. Click on My Computer, then Control Panel, and then Add/Remove Programs. Select “SAS System 9.0” from the list to remove SAS from your computer.