

For previous SAS users, the SAS System for Windows product is now identified as SAS Foundation. SAS Institute has completely reorganized all of its SAS system products into one enterprise solution. The end result is a more complex set of install options in exchange for an opportunity to gain more capability and flexibility from the SAS system by customizing the installation to meet a variety of data needs. SAS still has a SAS Setup CD but now there is also a SAS Software Navigator (SSN) CD. The reason SAS Institute created the SSN is to take advantage of the platform independence that Java has to offer and thereby provide more flexibility in selecting options for creation of a personalized SAS system. However, if you are interested in installing only the basic SAS system with all features available under the standard UI license agreement, you can avoid use of the SSN and achieve a quicker install by using the procedure described in this document.

Note: To install SAS your workstation operating system must be Windows 2000/XP or later. If you need to update your operating system, contact the ITS Help Desk at 319-384-4357 or email <u>its-helpdesk@uiowa.edu</u>.

Steps for Quick Install of SAS 9.1 on a Windows Workstations¹

To install SAS Foundation in its simplest form, you will actually need only six of the fifteen CDs included in the software packet. The six CD required are:

SAS Setup Disk (Rev M) Software Disk 1 Software Disk 2 Software Disk 3 SAS Shared Components SAS/SECURE

you can bypass the SSN CD by just inserting the SAS Setup CD, and perform the following:

¹ Adaptation of a document written by Sandy Gibbs, SAS Institute technical support staff, dated 2/5/2004. This adaptation was prepared by William Knabe, Director of ITS Statistical Support.

Step 1. Run the System Requirements Wizard (SRW):

- 1. Find **SAS Setup Disk (Rev M)** located in the Media Storage Division (8) under Section 802 Server Media in your SAS Installation Kit and load the CD.
- 2. When the SAS Software Navigator autorun comes up, close it by clicking on the X in the upper right corner of the pane. This is an important step; otherwise, you will be hopelessly locked into the SSN until you decide to terminate the program.
- 3. Click on Start>Run and then browse to see the contents of the Setup CD.
- 4. Go to the */srw* folder and double click on *setup.exe*. It is very important that you click on setup in the */srw* folder or the SSN install will be launched.
- 5. This launches the System Requirements Wizard (SRW).
- 6. Select the language (default: English) for the installation.
- 7. Click Next on the Welcome screen.
- 8. The SRW informs you which products it will be installing or lets you know if no updates are required. Please note the SRW install might require a system reboot.
- 9. Click Next or Finish.

Here are the typical screen shots of the System Requirements Wizard:

Select the language for this installation from
the choices below.
English 🗖



It is very important during this installation that you are logged in as the Administrator and all programs are closed including Anti-Virus software. This includes software running in the background. To see if you have software running you can look for icons in the lower right-hand corner of your screen. Usually, you can highlight the icon, right click and it will display enabling/disabling options. The Symantec AntiVirus software icon which most UI workstations are running will allow you to toggle the software on/off. If you are unable to make changes to your software (for instance the selections are grayed out), try stopping the programs under Services in the Control Panel. On WinXP and Win2000 Services is located under Control Panel>Administrative Tools>Services. On WinNT this is located under Control Panel> Services.

Automatic Log On Automatically logs on the user after the co	omputer reboots.	Sas
The System Requirements Wizard may re	equire several reboots.	
Enter your password if you want to log on Next to skip automatic log on.	n automatically after any ret	poots. Otherwise, click
	NAMES OF BRIDE	
Automatic Log on Will not accept blank p	basswords.	
Automatic Log on will not accept blank p	basswords.	
Automatic Log on will not accept blank p	oasswords.	
User ID: TRC\trc	passwords. c_admin	
User ID: TRC\trc Password:	passwords. c_admin	_
User ID: TRC\tro Eassword: Confirm password:	oasswords. c_admin	
User ID: TRC\tro <u>Password:</u>	passwords. c_admin	

This screen allows you to automatically log on if the installation asks for a reboot. This is not required. To continue, click **Next**.

InstallShield Wizard	×
System Components Update The following system components will be updated on your system.	<u>S</u> sas.
Click Next to begin updating your system to the following minimum system red	quirements:
SAS Private Java Runtime Environment 1.4.1 Microsoft Runtime Components 7.0	* * *
< <u>B</u> ack <u>Next></u>	Cancel

This screen displays the system components that need to be updated on your system in order for SAS to run properly. Click **Next**.

Installing SAS Private	e Java Runtime Environment 1.4.1			
Installing Microsoft Runtime Components 7.0				
Validating System Re	equirements			
InstallShield Wizard				
Sas.	System Update Finished The System Requirements Wizard has updated your system to the minimum system requirements for the selected software.			
	< Back Finish Cancel			

If a reboot message is not received, then it is not required at this point. Click Finish.

6000	System Update Not Required
<u>Sas</u>	The System Requirements Wizard has verified that your system already meets the minimum system requirements for the selected software.
	Click Finish to exit the System Requirements Wizard.
	< Back Finish Cancel

This screen is displayed when you run the System Requirements Wizard and the updates have already been applied. Click **Finish**.

Step 2. You are now ready to perform your SAS installation:

- 1. Using the same SAS Setup CD click on **Start>Run>** and **browse** to your CD-ROM drive.
- 2. Go to the /sas folder and double click on *setup.exe*. It is very important that you click on setup.exe in the /sas folder; otherwise, the SSN will be launched.
- 3. Click **Next** on the Welcome screen.
- 4. Retrieve your SAS Installation Data (SID) file from a File. If you purchased SAS through the UI software license program it is not be possible for you to retrieve the SID from the internet. The UI SID is available only as a file.

Here are the screen shots of a SAS Personal Installation using the SAS System Setup and selecting the File method to retrieve the SAS Installation Data file:

Choose Se	tup Language	×	
Z	Select the language for the choices below.	this installation from	
	English		
	ОК	Cancel	
Select the	language for the ins	tallation and click OK.	
InstallShie	ld Wizard		×
S	sas.	Welcome to the SAS Setup Wizard	
		This program will install SAS Software on your computer. It is strongly recommended that you exit all programs including virus scanning programs before continuing.	
		< Back Next> Cancel	

Click Next.

Select a method	for the SAS Setup to obtain SAS Installation Data.
C Internet	Use the Internet connection to retrieve SAS Installation Data from SAS
C Existing	Use the existing SAS Installation Data that has been provided by your administrator in this image. Recommended for most users,
• File	Specify a file containing SAS Installation Data. Recommended if data has been provided with installation media or has been saved to disk from email or buyers administrator.

Internet is the default so select File and click Next.

tallShield Wizard			
SAS Installation Data			Sas.
SAS Installation Data (SID) is a text fi SID was e-mailed to your SAS Installa via e-mail now, please use the URL to http://support.sas.com/adminservice	le requirec to install a cus ation Representative. If yo o retrieve it before continu s-SID	tomized version u would like to r iing the installati	of SAS. The receive the SID on.
Specify the file containing SAS Install	lation Data.		
Specify the file containing SAS Install [U:\sas91_831515.txt	lation Data.		Browse
Specify the file containing SAS Install U:\sas91_831515.txt	lation Data.		Browse
Specify the file containing SAS Install [C:\sas91_831515.txt allShield	lation Data.		Browse.

Click **Browse**; specify the file containing the SAS Installation Data and click **Next**.

stallShield Wizard	
SAS Installation Data Retrieved	<u>s</u> sas.
Your SAS Installation Data indicates you are licensed for the softw the licensed software below matches the licensed software listed of	vare listed below. Verify that on your Transmittal Letter.
Microsoft Windows Professional 64-bit Edition Enterprise Miner Client Solution November 30, 2003 Enterprise Miner Server Solution November 30, 2003 SAS Data Quality Client November 30, 2003 SAS/CONNECT Software SAS/Warehouse Administrator Software SAS Information Delivery Portal Server Components Nov SAS OLAP Server Package November 30, 2003 SAS/Genetics November 30, 2003 Base SAS Software November 30, 2003 Enterprise Miner for Text November 30, 2003 SAS Online Tutor Programming Software November 30, 2003	/ember 30, 2003
	Þ
stallShield	
<u> </u>	Next > Lancel

In this example, the operating system (stated at the top of the window) is Microsoft Windows Professional 64-bit Edition. This SID will not work on a 32-bit Windows Workstation. Click **Back** to select the correct SID and click **Next**.

stallShield Wizard		
SAS Installation Data		Sas.
SAS Installation Data (SID) is a text f SID was e-mailed to your SAS Install via e-mail now, please use the URL I	ile requirec to install a customize ation Representative. If you wou to retrieve it before continuing th	d version of SAS. The Id like to receive the SID e installation.
http://support.sas.com/adminiservice	38-5ID	
Specify the file containing SAS Insta	llation Data.	
Specify the file containing SAS Insta	llation Data.	Browse
Specify the file containing SAS Insta	llation Data.	Browse.

Click Browse then specify the file containing the SAS Installation Data and click Next.

InstallShield Wizard			×
SAS Installation Data Retrieved		S	sas.
Your SAS Installation Data indicates you the licensed software below matches the	are licensed for the soft cicensed software listed	ware listed below. on your Transmitta	Verify that al Letter.
Microsoft Windows Professional Enterprise Miner Client Solution Enterprise Miner Server Solution SAS BI Server August 31, 2004 SAS Data Warehousing Server SAS Integration Technologies Software SAS Data Quality Server SAS/AF Software SAS/CONNECT Software SAS/EIS Software SAS/FSP Software SAS/FSP Software	December 31, 2004 December 31, 2004 December 31, 2004		
InstallShield	< <u>B</u> ack	Next >	Cancel

Click **Next** once you've verified the information. In this example you can see that this is for a 32bit operating system by looking at the top line in the window, Microsoft Windows Professional. Click **Next** to continue.

InstallShield Wizard	×
Setup Status	Sas.
Setup is performing the requested operations.	1
Processing Chinese (Simplified) NLS Support	
70%	
InstallShield	Cancel

In this screen the setup is processing the provided information. Select the *Language* for the installation (default: English). Click **Next**.

calisnield wizard			
anguage Selections			Ssas.
Select the languages for your software to support. display properly, operating system features, such as	Note, in or s code page	der for language e support, may b	specific text to be needed.
Chinese (Simplified)	÷		
Chinese (Traditional)			
Czech			
English with DBCS and Unicode support			
✓ English			
French			
🗖 German			
🔲 Hungarian			
🗆 Italian			+
	[Select All	<u>C</u> lear All
allShield			
	< Back	Next >	Cancel
	1000 C	1 TO	100 C C C C C C C C C C C C C C C C C C

InstallShield Wizard	×
Choose Destination Folder	Sas.
Setup will install the software in the destination folder sho	wn below.
To install to this folder, click Next.	
To install to a different destination folder, click Browse an	d specify another folder.
- Destination Folder	
C. Disgram Files/CAC\CAC 9.1	Browse
InstallShield	144 14
< <u>B</u> a	ck Next> Cancel

This screen allows you to specify where SAS will be installed. Click **Next** to choose the default (highly recommended).

nstallShield Wizard			2
Specify Data Files Folder By selecting the default location, multiple us software and have their files stored within the	sers can use the heir personal profile.		Sas.
To use the default location, click Next. To data, click Browse and specify another fold	specify a common lo ler.	ocation to cont	ain all user
C:\Documents and Settings\saszsr\My Do	ocuments\My SAS Fi	les\9.1\	
			Browse
			Browse
			Browse
stallShield		3	Browse

This screen allows you to specify where the Data Files folder will be installed. Click **Next** to choose the default (highly recommended).

	- 1
Sas	5.
ed. The following folder is used to save blick Browse.	
emporary Files\	
Browse	
	SSAS d. The following folder is used to save lick Browse. mporary Filess <u>Browse</u>

This screen allows you to specify where SAS will install the Temporary Files folder. Click **Next** to use the default (highly recommended).

elect Components		Sas
Select the software to install. If y Installation Data, click Select Lic	ou want to install all of the ensed Software.	products indicated in your SAS
SAS Software SAS 9.1 SAS 9.1 Enterprise Miner Clier Enterprise Miner Serv SAS BI Server SAS Data Warehous SAS Enterprise ETL 9 SAS Enterprise Integr SAS Intelligence Stor SAS Metadata Serve	nt Solution er Solution ing Server Server eation Technologies age r	
Space Required on IC	0 K	Select Licensed Software

This screen allows you to specify what SAS products you want installed. Click *Select Licensed Software* if you are not sure what products need to be installed; this only installs the software products you have licensed. Or you can manually check the products you want installed. Click **Next**.

stallShield Wizard			
Select Components		9	Sas.
Select the software to install. If you Installation Data, click Select Licens	want to install all of the p sed Software.	products indicated in	n your SAS
 GAS Software GAS Software GAS SAS 9.1 C Enterprise Miner Client S C Enterprise Miner Server G SAS BI Server G SAS Data Warehousing G SAS Enterprise ETL Server G SAS Enterprise Integration G SAS Intelligence Storage G SAS Metadata Server 	olution Solution Server ver on Technologies		
Space Required on C: Space Available on C: InstallShield	1685447 K 13148509 K	Select License	d Software
	10	10 10 11	

In this screen the Select Licensed Software was selected. Click Next.

Start Conving Files		0	
in the second		5	Sas.
Setup has enough information to sta change any settings, click Back. If copying files.	art copying the program you are satisfied with	m files. If you want to re the settings, click Next	eview or to begin
- 117 Landal			

This screen starts copying the SAS files to your hard drive. Click Next.

InstallShield Wizard	2
Setup Status	Sas.
Setup is performing the requested operations.	
Installing:	
C:\Frogram Files\SAS\SAS 9.1\core\help\fsp.chm	
0%	
least-IIC based	
mstalionieu -	Cancel

The screen provides you with the Setup Status. As the install proceeds you will be asked to insert another CD and click **OK**. Be sure to provide the CD title that is requested. You can end the install at any time by clicking on **Cancel**.

es for use by 9.1 of SAS and eady in use as SAS Program.
ill assure proper SAS ality of the application
r.
ypes
C <u>a</u> ncel

This screen registers the file types to SAS. To avoid being prompted for each file type, check **Use this response for all file types**. Click **Yes** to continue.

InstallShield Wizard	
0	SAS Setup Complete
Sas.	Setup has successfully installed the SAS Software.
	You may launch SAS at this time by checking the checkbox below.
	View Post-Installation Documentation
	Run SAS now. Click Finish to complete Setup.
	< <u>B</u> ack Finish Cancel

Click Finish to complete the installation. You can also choose to check View Post-Installation Documentation and/or Run SAS now if you wish.

If you experience difficulty with your SAS installation, contact the ITS HELP Desk at 319-384-4357 (4-HELP) or email <u>its-helpdesk@uiowa.edu</u>. Be sure to include the version number of SAS that you are installing, the computer's operating system, and any error message(s) you may have received.