SAS 9.4 Installation Instructions for Windows

Teaching and Research (T&R)

Prerequisites

Prior to installation of SAS 9.4, you should review the system requirements for SAS 9.4.

Instructions: New Install

Faculty, staff, and students at UVa are eligible for SAS software for teaching and research purposes (T&R). There are several steps to this installation process. You will first log into the <u>http://virginia.onthehub.com</u> site with your UVa computing account (netbadge account). There you will order the SAS 9.4 product for your operating system and follow the instructions in order to download the license file (SID file) for SAS. The license file (SID file) is a small text file needed for installation.

SAS is a very large program to both download and install. It is recommended that you download the program files while connected to an Ethernet port. It can take several hours to download SAS. Make sure you have a power cord when you download SAS. If you are unable to download SAS, you may pick up a limited version on a USB drive from i043 Brown Science & Engineering. If you have questions or need directions, contact us at 434-924-0911 or via email to res-consult@virginia.edu.

1. In the Windows environment SAS 9.4 requires a 64-bit operating system. Prior to installation of SAS 9.4, ensure that you have a compatible 64-bit operating system as follows:

- Windows 7 SP1 Professional, Ultimate or Enterprise, or
- Windows 10 Education Pro or Enterprise.

2. Browse to the folder containing the Depot on the portable USB drive (the TR94 folder), and double-click *setup.exe*. If your Windows machine does not show extensions for known file types, you will just see the name *setup* and the SAS icon. Use the setup corresponding to the icon below and double-click.

		Applicatio	on Tools				TR94			-		×	
nare V	iew	Mana	age									~ (?
path shortcut	Mov to •	e Copy to •	Delete	Rename	New folder	₽ . 1.	Properties	Dpen Edit History		Select all Select none Invert select	tion		
Compute	er ⊧ k		(D:) ▶	TR94				Ý	C	Search TF	194	P	
^ 🗆	Nam	e tilities	*			Dat 8/5	e modified /2013 2:09 Pl	Typ M File	e folder		Size		^
		d.id lepotsumn	narv.htm	E		8/5, 8/5	/2013 2:03 PI /2013 2:12 PI	M ID F M Chr	ile ome H	ITML Do		1	
-1	S	assd.txt				8/5	/2013 2:02 PI	M Tex	t Docu F File	iment		1	
	Z 🕵 s	etup.exe				7/1	0/2013 10:01	PM App	licatio	in	8	491	
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- 3. If prompted by Windows User Access Control dialog box, click Yes to proceed.
- 4. Select **English** and click **OK** to proceed.



5. The **Deployment Wizard 9.4** interface will appear and take several minutes to proceed with a new dialog. Please be patient.



6. Select Install SAS software and click Next.

SAS Deployment Wizard				_ 🗆 ×
Select Deployment Task Select the deployment task you we	ould like to perform.			PB
End User Tasks				97
• Install SAS software				
Choose this option to install SAS	S software on this mad	chine.		
Administrator Tasks				
C Manage this SAS Software I	Depot			
Choose this option to manage t software orders with this option	this SAS Software Dep n.	iot. You can v	view and remo	ve SAS
C Create or Add to a SAS Soft	tware Depot			
Choose this option to copy an SAS Software Depot.	order from this SAS So	oftware Depot	to another ne	w or existing
Help		< Back	Next >	Cancel

7. Defaults are recommended when possible, but if you must change SAS Home, then type the full path of the directory name or browse to the directory as appropriate. The default for SAS Home is **C:\Progam Files\SASHome**. When done, click **Next**.

SAS Deployment Wizard		_ 🗆 ×
Specify SAS Home Specify the location where SAS software will be insta machine.	alled on this	- 98
All future installations will be made to SAS Home one	ce this location is established.	
SAS Home: C:\Program Files\SASHome		Browse
Нер	< Back Next >	Cancel

8. Select Install SAS Foundation and Related Software and click Next.

S	SAS Deployment Wizard
S	elect Deployment Type Select the type of deployment you want to perform.
C	Perform a Planned Deployment
	Perform a planned deployment of SAS software using a sample deployment plan or a customized deployment plan created specifically for your site. A planned deployment consists of installing and configuring the software on each machine in the deployment plan. You may choose to perform these steps independently by unselecting a step below.
	☑ Install SAS Software
	☑ Configure SAS Software
(•	Install SAS Foundation and Related Software
	Express path for installing SAS Foundation and related software. A plan file is not used for this type of deployment.
C	Install Additional Software
	Perform individual installs of SAS software by selecting from a list of available software. This option is recommended only when you want to add software to an existing deployment and do not need to perform configuration.
Į	Help <a>Back Next > Cancel

9. Accept the default selection for **Products to Install** and click **Next**.

S	SAS Deployment Wiz	ard		×
Select Products to In	nstall			
Select the product	ts you want to install on this machine.			
Products to install: SA	AS Foundation and related software]	~
Product			Info	
	dia			^
	010			
	iver for lava			
	for IMD		- <u></u>	
SAS/ETS Analysis I				
	Applets for Web Servers (Advanced)		- <u></u>	
	(orkshop			
SAS/GRAPHIN W	ronksnop		- <u></u>	
	t Components			
	kit Librarias from PSA (P)			
SAS/SECORE TOOR	kit Libraries from KSA (K)			
				×
Select All C	Clear All			
Help		< Back Next >	Cancel	

10. The default array of SAS Foundation products is highly recommended. Should you select all, you may need to acquire and install 3rd party software unsupported by ITS before completing your installation. Clicking Next is suggested.

S SAS Deployment Wiza	rd – 🗆 🗡
Select SAS Foundation Products	
Further customize the software by selecting the SAS Foundation pr install.	oducts to
Select the SAS Foundation products to install.	
SAS Accelerator Publishing Agent for Netezza	^
SAS Accelerator Publishing Agent for Oracle	
SAS Accelerator Publishing Agent for Teradata	
✓ SAS Enterprise Miner	
SAS High-Performance Data Mining Server Components	
✓ SAS High-Performance Econometrics Server Components	
✓ SAS High-Performance Server	
✓ SAS High-Performance Statistics Server Components	
SAS High-Performance Text Mining Server Components	
✓ SAS Integration Technologies	
✓ SAS Network Algorithms	
✓ SAS Scalable Performance Data Client	
SAS Test Applytics Common Components	¥
Select All Clear All	
Help	< Back Next > Cancel

11. Browse to the SID file as obtained via instructions at the <u>beginning of this document</u>. The names will not be as lengthy as that shown below, but the name should indicate that you have the license file for the 64-bit version of Windows. Browse to the location of your license file and click Open to proceed.

S			Open			×
Look in:	退 T&R94			¥	🏂 📂 🛄 •	
Recent Items	SAS94_999 SAS94_999 SAS94_999	32GP_70002456_AIX,txt S2GP_70082193_Win_X6 S2GP_70118431_LINUX_	64_Wrkstn.txt X86-64.txt			
Desktop						
My Documents						
Computer						
	File name:	SAS94_99S2GP_70082	2193_Win_X64_Wrkstn.tx	t		Open
Network	Files of type:	All Files			~	Cancel

12. Click Next to proceed.

	SAS Deployment Wizard	×
Specify SAS Installation Data File		
Specify the full path to your SAS in	stallation data file.	0.000
C:\Users\kathy\Desktop\SAS94_99S2G	P_70082193_Win_X64_Wrkstn.txt	Browse
Details of the selected SAS installation	data file:	
Product: SAS 9.4		^
Platform: Microsoft Windows Workst Order: 99S2GP	ation for x64	
Licensed SAS Foundation Software	Expiration Date	
All Standard SAS/ACCESS Engines	14JUL2014	
Base SAS	14JUL2014	
Education Analytical Suite	14JUL2014	
SAS Bridge for Esri	14JUL2014	
SAS Enterprise Guide	14JUL2014	
SAS Enterprise Miner for Desktop	14JUL2014	
SAS Integration Technologies	14JUL2014	
SAS Text Analytics for Spanish	14JUL2014	
SAS Text Miner for Desktop	14JUL2014	
SAS/ACCESS Interface to Aster	14JUL2014	~
SAS Text Analytics for Spanish SAS Text Miner for Desktop SAS/ACCESS Interface to Aster CAS/ACCESS Interface to Aster Help	14JUL2014 14JUL2014 14JUL2014 14JUL2014 4 Back	Next > Cancel

13. Select **Clear All** and click **Next**. Essential English language features will be installed.

oport.
the products listed below.
ent
*
~1
<pre> < Back Next > Cancel</pre>

14. Accept the default Locale, and click **Next**.

re, mbers, currencies, date and time your SAS software.
mbers, currencies, date and time your SAS software.
5]
I be represented with a single and override the default SAS n all cases. This will result in all UTF-8 encoding. This can be useful with different single-byte and ult to share SAS data with others who
< Back Next > Cancel

15. Use the recommended Java Runtime Environment to allow SAS to install its own JRE. Click Next.

SAS Deployment Wizard	X
Select Java Runtime Environment Select a Java Runtime Environment to use with SAS software.	28
The SAS products being installed require a Java Runtime Environment.	
View Information About Supported Java Runtime Environment Versions	
• Use the recommended Java Runtime Environment	
This option ensures that your SAS software is running with the versi Environment that is recommended by SAS.	on of the Java Runtime
C Select an existing Java Runtime Environment	
The Java Runtime Environment specified below will be used for SAS	software on this machine.
C:\Program Files (x86)\Java\gre1.6.0_24	Browse
Help< Back	K Next > Cancel

16. Select default – SAS Foundation – and click Next.

S	SA	S Deployment Wiza	rd		×	:
Default Product f	or SAS File Types				ini	
Specify the def shared by more	ault product that will be use than one product.	d to open SAS file types	that are			5
Select one of the fo	llowing SAS products. In W AS product, that file will be	indows Explorer, when y opened with the produ	ou double-clic ct you specify ł	k a file that cou nere,	Id be opened	
SAS Foundation	a					
O SAS Enterprise	Guide					
Help			< Back	Next >	Cancel]

17. Most often you will accept defaults here and click Next. If you are installing SAS Text Analytics Common Components on your machine by itself, type the name of the host on which you installed or will be installing SAS Document Conversion in the **Host Name** text box. If you are installing SAS Document Conversion either by itself or with SAS Text Analytics Common Components, the text box lists the local host name by default and is not editable. Type the port number that your SAS Text Analytics software should use in the **Port** text box.

The default port number is 7111.

SAS Deployment Wizard	
Specify SAS Document Conversion Host Specify connection information for SAS De	t and Port ocument Conversion.
Host Name:	
jaardvark	
Port Number:	
7111	
нер	< Back Next > Cancel

18. When the process completes, click Next.

S	SAS Deployment Wizard	- 🗆 🗙
Checking System		
Tooling initialization complete		
	297 / 297 (100%)	
Examining File System		
	30,677 / 30,677 (100%)	
Required disk space: 11,109 MB	Ava	iilable disk space: 323,192 MB
scanning your file system, stop running, and add write permissi Refresh. If you choose not to rer Unwritable files: 0	the SAS servers and SAS Windows services, quit any SAS i ions to those files that are not writable. When you have m mediate the problem at this time, click Cancel to quit.	applications that might be nade these changes, click
Help	< Back	Next > Cancel

19. You now are able to review the Deployment Summary, and Start the Installation.

S SAS Deployment Wizard	- 🗆 🗙				
Deployment Summary					
Review the software selected for deployment. If you would like to change the selections, you should go back and make those changes. When the software you wish to deploy is listed, click Start to begin the deployment.					
Stage 1: Installation 1. SAS Private Java Runtime Environment (64-bit) 2. SAS Deployment Manager 3. SAS/SECURE Java Component 4. SAS Providers for OLE DB (64-bit, English) 5. SAS Providers for OLE DB (32-bit, English) 6. SAS Integration Technologies Client (64-bit, English) 7. SAS Integration Technologies Client (32-bit, English) 8. SAS Enhanced Editor (32-bit, English) 9. SAS Enhanced Editor (64-bit, English) 10. SAS Diagram Control (64-bit, English) 11. SAS Diagram Control (32-bit, English) 12. SAS/GRAPH ActiveX Control (64-bit, English) Overall Progress	Completed successfully.				
0%	Completed successfully Completed with warnings Completed with errors				
Help < Back	Start Cancel				

□ Allow the Installation to proceed. Some steps (step 1, for example) will take quite some time. Please be patient and try to avoid interrupting the process as doing so may make installation in

the future very difficult.

	×
Deployment Summary Review the software selected for deployment. This is your last chance to go back and make changes before writing to your system.	00
Stage 1: Installation 1. SAS Deployment Manager 2. SAS/SECURE Java Component 3. SAS/SECURE Java Component (Update) 4. SAS Providers for OLE DB (64-bit, English) 5. SAS Providers for OLE DB (64-bit, English Update) 6. SAS Providers for OLE DB (32-bit, English) 7. SAS Providers for OLE DB (32-bit, English) 8. SAS Integration Technologies Client (64-bit, English) 9. SAS Integration Technologies Client (64-bit, English Update)	<u> </u>
10. SAS Integration Technologies Client (32-bit, English)	<u> </u>
<u>View Instal Alert Notes</u> Overall Progress 0%	 Completed successfully Completed with warnings Completed with errors
When Deployment is complete, click Next. SAS Deployment Wizard	_ [] ×
When Deployment is complete, click Next. SAS Deployment Wizard Deployment Complete	_ [] ×
 When Deployment is complete, click Next. SAS Deployment Wizard Deployment Complete 304. SAS Disk Cleanup Handler (64-bit, English) 305. SAS Disk Cleanup Handler (32-bit, English) 306. SAS Text Miner Workstation Configuration 307. SAS Formats Library for Greenplum (English) (Greenplum or 308. SAS Java Component for Accessing Threaded Kernel from 3 309. SAS Java Component for Accessing Threaded Kernel from 3 310. SAS Threaded Kernel Extensions for Graph Analytics (64-bit 311. SAS Threaded Kernel Extension for Netezza (64-bit, English) 312. SAS Threaded Kernel Extension for ODBC (64-bit, English) 314. SAS Threaded Kernel Extension for ODBC (64-bit, English) 315. SAS Threaded Kernel Extensions for SAS Text Analytics (64 316. Install Post Processing 	Linux 64) lava lava (Update) , English) Update) -bit, English)
 When Deployment is complete, click Next. SAS Deployment Wizard Deployment Complete 304. SAS Disk Cleanup Handler (64-bit, English) 305. SAS Disk Cleanup Handler (32-bit, English) 306. SAS Text Miner Workstation Configuration 307. SAS Formats Library for Greenplum (English) (Greenplum or 308. SAS Java Component for Accessing Threaded Kernel from 3 309. SAS Java Component for Accessing Threaded Kernel from 3 310. SAS Threaded Kernel Extensions for Graph Analytics (64-bit 311. SAS Threaded Kernel Extension for Netezza (64-bit, English) 312. SAS Threaded Kernel Extension for ODBC (64-bit, English) 313. SAS Threaded Kernel Extension for ODBC (64-bit, English) 314. SAS Threaded Kernel Extension for SAS Text Analytics (64 316. Instal Post Processing 	Linux 64) lava lava (Update) , English) Update) -bit, English)

You will be presented with various resource URLS upon successful installation.

SAS Deployment Wizard		_ 🗆 ×
Additional Resources		
Below are links to additional resources for your depl	loyment.	C III
SAS Customer Support Center		-
http://support.sas.com		
SAS Installed Software and Components report	t Josefannin (her)	
tile:///C:\Program Files\SASHome\InstallMisc\InstallLog	s/DeploymentRegistry.ntml	
SAS Install Center		
http://support.sas.com/documentation/installcenter/		
SAS Technical Support		
http://support.sas.com/techsup		
Downloads and Hot Fixes		
http://support.sas.com/techsup/dwnload/		
CAC Tanking		
SAS training		<u> </u>
Print		
		· · · · · · · · · · · · · · · · · · ·
Help	< Back Finish	Cancel
	· · · · · · · · · · · · · · · · · · ·	

By default in Windows 8 the executable that starts SAS is C:\Program

Files\SASHome\SASFoundation\9.4\sas.exe. You may want to add a shortcut to the desktop or pin the program to the taskbar.

```
Log-(Untitled)
NOTE: Copyright (c) 2002-2012 by SAS Institute Inc., Cary, NC, USA.
NOTE: SAS (r) Proprietary Software 9.4 (TS1M0 MBCS3170)
Licensed to UNIVERSITY OF VIRGINIA - SFA - T&R, Site 70082193.
NOTE: This session is executing on the X64_8PRO platform.
NOTE: Updated analytical products:
SAS/STAT 12.3 (maintenance)
SAS/CR 12.3 (maintenance)
SAS/OR 12.3 (maintenance)
SAS/QC 12.3 (maintenance)
NOTE: Additional host information:
X64_8PRO WIN 6.2.9200 Workstation
NOTE: SAS initialization used:
real time 9.01 seconds
cpu time 0.98 seconds
```