# SAS 9.4 64bit Stand Alone Installation (Requires Purchase of individual site license from WSU Site Licensing)

Requirements and preliminary steps:

- User must purchase a stand-alone license (good for the license year only) from WSU Site Licensing check this website for details: <a href="https://infotech.wsu.edu/BusinessServices/ServiceRates/SiteLicensePricing.aspx">https://infotech.wsu.edu/BusinessServices/ServiceRates/SiteLicensePricing.aspx</a>. Once you have purchased the site license for SAS 9.4 (64bit) you will receive a license file via email. DO NOT lose this – copy it to a safe location on your computer, you will need to access this file during the install process.
- A stand-alone installation provides the convenience of not needing a network connection to run SAS. This also makes SAS run more efficiently. However, the user <u>must</u> have a wired (preferred) or wireless (tends to be slow) connection to the WSU network and the user must maintain this connection to install SAS.
- SAS 9.4 will run on Windows 7 Professional/Enterprise, Windows 7 Ultimate, Windows 8.1 Professional/Enterprise and Windows 10 Professional/Enterprise. [Home versions of Windows are NOT supported.]
- Run Windows Update and make sure all Critical/High Priority patches are installed.
- Update JAVA Runtime or download and install the JAVA Runtime environment if it is not installed, see instructions for further details.
- The user must authenticate with an AD (WSU Net ID) domain user ID.
- If running any older version of SAS go to Control Panel, Add/Remove Programs– remove the old SAS version & reboot your PC.
- You must allow yourself at least 1 to 3 hours for this entire process. Follow the directions explicitly and be **very** patient.

IMPORTANT NOTE: If you have questions about any of this, please contact CWR Support – you can send an email to cwr.support@wsu.edu This includes topics such as connecting to the server, 64bit SAS, etc.

## SAS 9.4-64bit Stand-Alone Install

There are three parts to this process -1) Preparing a network location and installing JAVA, 2) uninstalling any previous versions of SAS, and 3) Installing this version of SAS 9.4.

## 1)Preparing to Install SAS 9.4 - 64bit

You will need to create a link to the server folder <u>\\cru20.ad.wsu.edu\SASLocal\SAS94-64BitStandalone</u>. In Windows 7/8 open "Computer" and add a "Network Location" by typing in

"\\cru20.ad.wsu.edu\SASLocal\SAS924-64Bit\Standalone" in the "Internet or network address" window. Here are detailed instructions about making these connections:

A) IF you log into the AD domain when you start your computer you can do the following:

- 1) Windows 7/8/10 users can also create a "Network Location" this is the **PREFERED** option.
- Open Windows Explorer and click on the Computer icon.
- Go to File, Add a network location. (You can also left-click in the open pane and select "Add a network location") click Next when the Add a network location window opens.
- Type in the network address "\\cru20.ad.wsu.edu\SASLocal\SAS94-64BitStandalone" and click Next.
- Type in a name for the new network location "SAS94" will work but you can name it anything that makes sense to you. Click Next and Finish.
- 2) Optionally, you can create a mapped drive to the server address (**NOTE** this doesn't work well when multiple users login to the machine):
- Right Click on the My Computer icon and select "Map a Network Drive".
- You can use any available letter for your mapped drive when the Mapped drive wizard opens type in "\\cru20.ad.wsu.edu\SASLocal\SAS94-64BitStandalone" (without quotes) in the Folder window.
- Leave the "Reconnect at logon" box checked.
- If you don't login into the WSU AD domain (AD\WSUNetID) when your computer starts then you will need to check the "Connect using different credentials" box and provide your WSU user ID (AD\WSUNetID) and password when prompted.
- Click Finish.

### Install the JAVA Runtime Environment

The Java Runtime Environment, 32 bit is required – and an older version of JAVA runtime may be required to run SAS 9.4. Once you have established the necessary network connection to the SAS Server (above), navigate to the folder labeled "JavaForSAS94" and double click on this file to install the runtime client: "jre-6u45-windows-i586.exe". This will install JAVA runtime 6.45.

Notes:

- If you already have a newer version of JAVA installed that is fine. However, when you update JAVA (as you should), do not let the installer remove old versions of JAVA or your SAS won't work properly.
- JAVA version(s) 8 may work with SAS 9.4 but SAS technical support does not clarify this: <u>http://support.sas.com/resources/thirdpartysupport/v94/jres.html</u>.

Once JAVA 6.45 is installed, you may proceed to the next step, installing SAS.

Part 2 - NOTE - IF you have NEVER installed SAS on your computer, you can skip to Part 3.

<u>Uninstalling older versions of SAS</u> – go to control panel, Programs and Features, and uninstall any versions of SAS older than 9.3

#### Part 3 – Installing the new SAS

Navigate to the server folder once you are connected to the server as outlined in the Preparation instructions on page 4, Double-click on Setup.exe:



### The SAS Deployment Wizard will start:



Select English and click OK:

S Choose Language	EX
Select a language in SAS Deployment Wi	which to view the zard.
English	<b>_</b>
ОК	Cancel

# Leave "Install SAS software" selected and click Next:

🔊 SAS Deployment Wizard
Select Deployment Task         Select the deployment task you would like to perform.
ে Install SAS software
Choose this option to install SAS software on this machine.
Administrator Tasks
Manage this SAS Software Depot
Choose this option to manage this SAS Software Depot. You can view SAS software orders with this option.
<u>H</u> elp < <u>B</u> ack <u>N</u> ext > Cancel

From the list below:

- 1) <u>Un-Select</u> SAS Enterprise Guide, leave the other items checked and then add the following:
- 2) Select Report Fonts for Clients
- 3) <u>Select</u> SAS Drivers for OBDC
- 4) Select SAS OnlineDoc for Windows (this doesn't really work yet, but might in future)
- 5) <u>Select</u> SAS Universal Viewer
- 6) <u>Select</u> SAS/GRAPH ODS Graphics Editor, then, click Next:

SAS Deployment Wizard		X
Select Products to Install		
Select the products you want to install on this machine.		
Products to install: SAS Foundation and related software		<b>—</b>
Product	Info	$\top$
SAS Drivers for JDBC	0	
SAS Drivers for ODBC	0	
□ SAS Enterprise Guide	0	
SAS Foundation	0	
□ SAS Foundation Services	0	1
SAS Help Viewer for the Web	0	
SAS Integration Technologies Client (standalone product - click Help for more	0	
SAS Intelligence Platform Object Framework	0	
SAS Locale Setup Manager	0	
SAS Management Console	0	
SAS OnlineDoc for the Web (requires Web server)	0	
SAS OnlineDoc for Windows	0	
SAS Package Reader (Advanced)	0	
🗆 SAS Personal Login Manager	0	
SAS Power and Sample Size	0	
SAS Providers for OLE DB (standalone product - click Help for more informati	0	
□ SAS Scalable Performance Data Server Plug-in for SAS Management Console	0	
SAS Simulation Studio	0	
SAS SQL Library for C	0	
SAS Universal Viewer	0	
SAS Web Application Themes	0	
SAS Web Infrastructure Client	0	
SAS Web Infrastructure Platform	0	
SAS XML Mapper		
SAS/ETS Model Editor	0	
SAS/GRAPH ActiveX Control (standalone product - click Help for more inform	0	
SAS/GRAPH Java Applets (Advanced)	0	
SAS/GRAPH NV Workshop	0	
SAS/GRAPH ODS Graphics Editor	0	
SAS/IML Studio	0	
SAS/SECURE Windows Client Components	0	-
Select All Clear All		
		1
Help < <u>B</u> ack Next >	Cance	el

SAS 9.4 – 64bit will automatically install in 64bit mode. And then you will be prompted for licensing information.

You **must** provide the location for your new license file – to change the entry in the window provided browse to the location of your new license file, select that file, and click Next.

Click on the "Clear All" button (we do not support installation in other languages), Click Next:

SAS Deployment Wizard		
Select Language Support Select the languages for your software to support.		
Select the languages you would like to install for the products listed below. Only locale will be installed.	languages that wo	or <b>k w</b> ith your
SAS Foundation		
<ul> <li>✓ Chinese Simplified</li> <li>✓ Chinese Traditional (Taiwan)</li> <li>✓ DBCS Extensions</li> <li>✓ Dutch</li> <li>✓ English</li> <li>✓ English with DBCS Support</li> <li>✓ French</li> <li>✓ Correspondence</li> </ul>		×
<u>H</u> elp	ack <u>N</u> ext >	Cancel

### Click Next:

SAS Deployment Wizard	
Select Language Support Select the languages for your software to support.	28
Select the languages you would like to install for the products listed below. Or locale will be installed.	nly languages that work with your
SAS Foundation	
<ul> <li>Chinese Simplified</li> <li>Chinese Traditional (Taiwan)</li> <li>DBCS Extensions</li> </ul>	<u> </u>
□ Dutch ☑ English ☑ English with DBCS Support	_
Select All	<b>_</b>
<u>H</u> elp	< <u>B</u> ack <u>N</u> ext > Cancel

Windows 7/8/10 users - if you see a window prompting you to Select JAVA Runtime Environment as illustrated in the upper-left-hand portion of this screenshot, and you have followed the instructions in Part 1 of this document, enter the following in the path in the window provided -

"C\Program Files\Java\jre6". (in Windows 7, 64bit clients it might be listed under "C\Program Files(x86)\Java\jre6"):



### You are ready to start installing, click Start:

SAS Deployment Wizard	
<b>Deployment Summary</b> Review the software selected for deployment. This is your last chance to and make changes before writing to your system.	go back
Stage 1: System Requirements         I. System Requirements Wizard         Stage 2: Installation         1. SAS/SECURE Java Component         2. SAS/SECURE Java Component (Update)         3. SAS Foundation         4. Advanced Analytics Common Components (English Update)         5. SAS/AF (DBCS Extensions Update)         6. SAS/AF (English Update)         7. SAS/ACCESS Interface to Aster nCluster (DBCS Extensions Update)         View Install Alert Notes	Requires user interaction
Help	< <u>B</u> ack <u>S</u> tart Cancel

### Click Next:



You may see other prompts before this window appears; follow the prompts to install any software listed. When you get to the end, you can click Finish:



SAS Installation will continue. Be patient - this will take some time – 40 minutes to an hour (or more) depending on your PC and network connection. Wait for the next window to appear...

SAS Deployment Wizard	
Deployment in Progress	90
Stage 1: System Requirements	
Stage 1. System Requirements Wizard	
<ul> <li>Stage 2: Installation</li> <li>1. SAS/SECURE Java Component</li> <li>2. SAS/SECURE Java Component (Update)</li> <li>3. SAS Foundation <ul> <li>4. Advanced Analytics Common Components (English Update)</li> <li>5. SAS/AF (DBCS Extensions Update)</li> </ul> </li> <li>Installing SAS Foundation</li> </ul>	<ul> <li>Completed successfully</li> <li>Completed with errors</li> <li>Requires user interaction</li> </ul>
Help	< <u>B</u> ack <u>Stop</u> Cancel

When SAS is done installing all the modules will be marked with a green checkmark. Click Next:

SAS Deployment Wizard	
Deployment Complete	
Stage 1: System Requirements	
🖉 🖕 1. System Requirements Wizard	
Stage 2: Installation	
1. SAS/SECURE Java Component	
2. SAS/SECURE Java Component (Update)	
3. SAS Foundation	
<ul> <li>4. Advanced Analytics Common Components (English Update)</li> </ul>	
5. SAS/AF (DBCS Extensions Update)	-1
6. SAS/AF (English Update)	
	Completed successfully
	😣 Completed with errors
	🔩 Requires user interaction
	,
<u>H</u> elp	< <u>B</u> ack <u>N</u> ext > Cancel

### You are finished – click the Finish button:

SAS Deployment Wizard		
Additional Resources		
Below are links to additional resources for your deployment.		
SAS Customer Support Center		
http://support.sas.com		
SAS Install Center		
http://support.sas.com/documentation/installcenter/922/index.html		
CAS Technical Support		
http://support.sas.com/techsup		
http://www.sas.com/apps/demosdownloads/setupintro.isp		
		<b>-</b>
Print		
Help	< <u>B</u> ack Fi <u>n</u> ish	Cancel

Next you should test your installation with a simple SAS program of your own or you can copy the file "lab9robust.sas" from this server folder: <u>\\cru20\SASLocal\SAS94-64BitStandalone\SASTestFile</u>. This file has self contained data set; you can run it as is.