Installation Instructions for JMP Clinical 7

These instructions describe the process for downloading and installing JMP Clinical 7 on your Windows desktop machine. These instructions include two major sections:

1 Download the Software

JMP Clinical 7 is downloaded using a small utility program called the SAS Download Manager. You will first download and install the SAS Download Manager and then run the Download Manager to download the installation files for JMP Clinical 7 as described in <u>"Step 1: Download and</u> Run the SAS Download Manager Application," p. 4.

The installation files are placed in a folder known as the SAS Software Depot. The SAS software Depot is large (almost 10 Gigabytes), and it might take several hours for the SAS Download Manager to complete the download process.

Note: Depending on your analysis needs, you might not need all of the SAS software components that are included in the standard JMP Clinical installation. In this case, you can exclude those components and reduce the size of the install package that is downloaded. See <u>Appendix 2: Installing a Minimal Ver</u>sion of <u>JMP Clinical</u> for instructions on modifying your JMP Clinical installation and getting the additional *Recipe* file that you will need.

2 Install the Software

Follow the instructions detailed in "Step 2: Install JMP Clinical Software," p. 15.

3 Appendixes

Appendixes provide instructions and suggestions for managing atypical installations and situations.

<u>Appendix 1: Installing JMP Clinical from DVD</u> <u>Appendix 2: Installing a Minimal Version of JMP Clinical</u> <u>Appendix 3: Increasing the Memory Allocation for SAS Processes Run under JMP Clinical</u> <u>Appendix 4: Reconfiguring JMP Clinical for Use with Non-English Operating Systems</u>

Before installing JMP Clinical, you should note the following important items:

• A SAS software depot can be used by multiple users. If there are multiple JMP Clinical users at your site, either the site administrator or a designated user should download the software (either electronically or from the DVDs) to a single SAS software depot. This depot should be

located on a network server that is accessible to every user. Registered users can then use that single depot to install the software on their local machines.

- You should keep at least one copy of your SAS software depot, in case you need to re-install the software again in the future.
- You must have 64 bit JAVA 7 (v1.7) or later installed on the 64-bit client machine before
 installing JMP Clinical. Software can be downloaded from the Oracle website (<u>https://
 www.oracle.com/technetwork/java/javase/downloads/jre8-downloads-2133155.html</u>). Download version *Windows x64* for if you are running JMP Clinical on a 64-bit machine. Download version *Windows x86* for if you are running JMP Clinical on a 32-bit machine.

Note: JMP Clinical requires the version of JAVA must match the bitness of your machine.

Before You Install JMP Clinical 7

- Terminate all non-essential applications.
- A If the SAS Job Spawner is running as a service, it must be disabled.
- A Disable any anti-virus software that might be running.

If you are upgrading from JMP Clinical 5.1 or earlier to JMP Clinical 7, you **should uninstall** the prior version before installing the new software. If you are upgrading from JMP Clinical 6 to 7, there is no need to uninstall JMP Clinical 6.

Note: If you opt to keep JMP Clinical 6.x on your machine, you might need to run the installer twice. The first installation updates your existing SAS components, the second installs the new version of JMP Clinical.

To Uninstall JMP Clinical Software:

A Launch the Uninstall Utility

• In Windows 10, for example, open a Windows Explorer window. Click **Computer** on the Menu bar. Click Uninstall or change a program.

¹ Use the utility to uninstall SAS 9.3 (or 9.4).

A You should also delete the SASHome directory located in the C:\Program Files directory.

Description of Your Package

Electronic Delivery

After you submit your signed paperwork for JMP Clinical 7, you will receive an email listing your site's order number, an installation key code specific to this order and contact information for SAS Technical support.

ur Order Number ur Installation Key sic 8GB n <u>ail Address</u>	
8GB nail Address	
nail Address	
ır Email Address	<u>Tech Support Site Number</u> Your Tech Support Site Number
ur Site Name ur Tech Support Site Number ur Contracts Site Number crosoft® Windows® Workstation for x64 S 9.4 TS1M5, Rev. 940_18w43 ur License File	I
ur Site Name ur Tech Support Site Number ur Contracts Site Number crosoft® Windows® for x64 IP 14.1 TSTM5, Rev. 940_18w43 ur License File	
	Site Name Tech Support Site Number Contracts Site Number osoft@ Windows@ Workstation for x64 9.4 TS1M5, Rev. 940_18w43 License File

DVD Delivery

In some cases, you can choose to receive JMP Clinical on DVD. See <u>"Appendix 1: Installing JMP Clinical from DVD," p. 29</u> for specific instructions for installing JMP Clinical from DVD.

Step 1: Download and Run the SAS Download Manager Application

You will NOT need to install the SAS Download Manager if:

• Your IT administrator has already done so. You will need to know the location of the SAS software depot. You should skip Step 1 and proceed directly to <u>"Step 2: Install JMP Clinical Software," p. 15</u>.

You will need to install the SAS Download Manager if:

- You are a single user of JMP Life Sciences software.
- You are an IT administrator managing the software for multiple users.

The email listing your site's order number and installation key code will also contain a link (circled below) to the SAS Download Manager. The SAS Download Manager application must be downloaded and used to generate a local SAS Software Depot before JMP Clinical 7 can be installed.

Your Deployment Instructions:

For a video overview about the SAS 9.4 installation and configuration process, please visit http://support.sas.com/sas94-install-videos.

When you are ready to deploy your SAS software, follow these instructions:

Download the SAS Download Manager.

http://image1.unx.sas.com/tools/esdclient/

The SAS Download Manager is the application you must use to download your software.

NOTE: If you are a Cary Install Depot user, then you do NOT need to download and install the SAS Download Manager application; just use the "Download" links on the Custom Order tab.

If you are a remote user, then follow the above link to download and install the SAS Download Manager. Then go to: <u>http://mage1.unx.sas.com/preferences/</u> and change your esdClientWin value using the example provided on the page. Using the "Download" links on the Custom Order tab will now result in much better performance because you will be using the local copy of the SAS Download Manager instead of invoking an application across a remote connection.

2

Download your SAS software using the SAS Download Manager.

When you are ready to begin downloading your software, follow the instructions in the readme file from the download site to start the SAS Download Manager. When prompted, provide the following information to the SAS Download Manager:

- Order number: Your Order Number
- SAS installation key: Your Installation Key

When the download process is complete the SAS Download Manager will have created a SAS Software Depot, the repository for your SAS software, in the location you indicated in the SAS Download Manager dialogs. In addition, the installation process creates a depotsummary.html document at the root of your SAS Software Depot that describes the contents of the depot.

3 Install your SAS software.

To begin your SAS Installation, perform the following steps based upon the operating system where the software will be installed:

- Windows: Execute setup.exe on Windows.
- UNIX: Execute setup.sh (use the SAS installation ID, not root).

Follow the instructions in the QuickStart Guide: SAS[®] 9.4 Basic Deployments using Electronic Software Delivery. The QuickStart Guide describes how to access any ReadMe documents that contain information required for deployment of your software. To locate the QuickStart Guide, select the appropriate link on your depotsummary.html described in Step 2 or use this link: <u>http://support.sas.com/gsgesdbasic94.html</u>.

SAS Technical Support has created a Frequently Asked Questions document to further assist your installation. The FAQ is available at http://support.sas.com/kb/49516.

There may be additional configuration steps required for your SAS Foundation software. Consult the SAS Foundation Configuration instructions available for your operating system for product-specific post-installation steps. The configuration instructions are available from Install Center at http://support.sas.com/documentation/installcenter/94/index.html.

Note: The process of downloading your software from SAS should not be used as a mechanism for distributing your software across your organization. The SAS download site will limit the number of downloads that may be performed per order. If you need to distribute the software image internally, download it to a networked location that is available to all systems where the software needs to be installed. Alternately, you can create your own media from your downloaded image using the tools provided. The installation of either internal distribution method is subject to your number of licensed users or copies.

Click the link in step 1 of the emailed instructions (circled above) to open the download window in your web browser.

Click on the link to the appropriate SAS Download Manager and select your Windows platform. In this example, we are installing 64-bit JMP Clinical 7 on a Windows 10 machine. Therefore, we chose Microsoft Windows for x64

5

Tools > SAS Download Manager

The SAS Download Manager is a Java-based client that can access the SAS software repository in order to download selected SAS orders. The JRE required by the SAS Download Manager is included with the download below. The SAS Download Manager, once fully extracted, requires approximately 30MB of space to run. It is not necessary to download the application to the same location you intend to eventually install your SAS software order. The location where you install the SAS Download Manager should have external access to the internet.

Latest Validated Installers

Platform	Size	Updated	Download
64-bit Enabled HP-UX	62 MB	16Oct18	esdclient 93540 h64 xx web 1
HP-UX IPF	124 MB	16Oct18	<u>esdclient_94510_h6i_xx_web_1</u>
Linux for x64	58 MB	16Oct18	<u>esdclient_94510_lax_xx_web_1</u>
Linux	48 MB	16Oct18	<u>esdclient_93540_lnx_xx_web_1</u>
Macintosh	14 MB	16Oct18	<u>esdclient_94492_mac_xx_web_1.dmg</u>
Macintosh	14 MB	16Oct18	esdclient_94500_mac_xx_web_1.dmg
Macintosh	14 MB	16Oct18	<u>esdclient_94506_mac_xx_web_1.dmg</u>
Macintosh	15 MB	16Oct18	esdclient_94510_mac_xx_web_1.dmg
64-bit Enabled AIX	154 MB	16Oct18	esdclient 94510 r64 xx web 1
64-bit Enabled Solaris	64 MB	16Oct18	esdclient 94510 s64 xx web 1
Solaris for x64	60 MB	16Oct18	<u>esdclient_94510_sax_xx_web_1</u>
Windows	47 MB	160ct18	<u>sedelient_94510_win_xx_web_1.exe</u>
Microsoft Windows for x64	47 MB	16Oct18	esdclient <u>94510_wx6_xx_web_1.exe</u>
z/OS	47 MP	160ci18	esdelient 94510 mvs XX web 1.zos

Go back to Install Depot Support Tools.

README: Documentation for SAS Download Manager Web Downloads

Note: The documentation files at this location will require a registration profile for access.

[•]^(†) Click the link in the **Download** column to request the download for the desired platform. A window might open asking you to log on to your SAS Profile.



Already Have a Profile?
Email:
Password:
_
Keep me logged in
Login
Login
Forgot Password?
Need Help? Chat Unavailable
New User?
Create your profile to take full advantage of our site.
Why Create a Profile?
Get social - join SAS communities. Get help - follow your tech support questions. Get software - download software/hot fixes. Get informed - manage e-learning/newsletters.

A Either log on to your existing SAS Profile or create a new Profile.

You must read and accept the SAS License agreement to proceed further.

Click $\fbox{}$ to proceed.

The SAS Download Manager application is downloaded into the Downloads folder of your computer. If you are installing the standard version of JMP Clinical proceed with the installation as follows. If you are installing the minimal version, proceed as directed in <u>Appendix 2: Installing a Minimal Version of JMP Clinical</u>.

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Click Run.

A window asking you to allow the SAS Download Manager to modify your computer will open.



Click Yes.

A window asking you to launch the SAS Download Manager will open.



Click Run.

A window asking you to specify the language of your installation will open.

S Choose Language	×
Select a language in which to view the SAS Download Manager. English	~
OK Cancel	

 $^{\circ}$ Select **English** and click **OK**.

A Enter your order number and installation key (from the email) in the text fields.

SAS Download M	anager					-		×
Order Information Specify your orde	er informa	tion.						
Order Number:	Your O	der Numbe	r					
SAS Installation Key:	хххх	- XXXX	- XXXX	Paste From Clipboar	rd			
Help				< Ba	sk 🚺 🕅	Vext >	Can	cel

\mathcal{P} Click Next.

H Examine the order details.

SAS Downlo	ad Manager	– 🗆 ×
Specify Order	Details	
Edit the des	cription and add notes for this order to aid with future tracking.	
You must insta or adding softv You can create	Il your software from a SAS Software Depot, and this is the first step in crr vare to one from media you have created. Review the contents of the orc a custom description and notes to differentiate this order from others in	ating a SAS Software Depot der you are working with. your SAS Software Depot.
Order number:	Your Order Number	
Description:	JMP C 7.0 Base. ClinJMP. Graph, JMP C 7.0 JMP4Clin	
Notes:		
Click to see the	contents of your order that correspond with the SAS Products to Include	e below
SAS Products to	Include in the SAS Software Depot:	
 base 3. Dataf 4. GKC 5. GKC 5. GKC 6. Intern 7. JIMP 4. Repo 9. SAS C 10. SAS E 11. SAS E 12. SAS E 13. SAS E 14. SAS E 15. SAS F 16. SAS F 17. SAS F 18. SAS I 19. SAS I 19. SAS I 20. SAS I 21. SAS E 22. SAS C 23. SAS E 24. SAS F 26. SAS F 27. SAS F 28. SAS S 29. SAS S 30. SAS C 31. SAS S 32. SAS T 33. SAS I 34. SAS V 35. SAS J 36. SAS/J 37. SAS/J 38. SAS/J 39. SAS/J 41. SAS/L 42. SAS C 	AAS Tiux API for Hadoop ieoMarketing CITIES Maps for SAS/GRAPH ieoMarketing WORLD Maps for SAS/GRAPH hational Component for Unicode Clinical It Fonts for Clients Lient Connection Profile Configuration Veployment Tester - Client Magram Control Drivers for JDBC Drivers for JDBC Data Hegation Technologies Client ntelligence Platform Object Framework nterface to Viya Model Publishing and Scoring Anaagement Console JDS Graphics Editor DS Graphics Editor DS Graphics Editor DS Graphics Editor DS Graphics Editor DS Graphics Editor Driversal Viewer Ve JAplication Server Kuldio Basic Driversal Viewer Ve Application Server ML Mapper ACCESS Interface to PC Files SRAPH JSRAPH JSRAPL AS SRAPH JSRAPL As Applets for Web Servers SRAPH JSRAPL JASA Applets for MSA (R) STAT Bione Formats	
Help	< Back	Next > Cancel

Click Next.

 \mathcal{A} Make sure that **Include complete order contents** is selected.

SAS Download Manager	-		×
Specify Order Options			
Specify the contents of the order			
Include complete order contents			
Include all the products that come with this order. This is the suggested option.			
○ Subset order contents			
Include only selected products based on any combination of selected platforms/op and languages.	perating syste	ms, prod	ucts,
Help < Back	Next >	Car	icel

Click Next.

 \mathcal{A} Specify where the software depot is to be installed.

By default, the software depot is installed to the C:\SAS Software Depot directory. If this directory does not exist, it is created for you. You can accept the default location or specify an alternate location.

H If prompted, click **Yes** to create a directory for the Software Depot.



 ${}^{\mbox{$\frown$}}$ Review the install information.

SAS Download Manager		
Final Review		
Confirm the following information.		
When you click Download, the SAS Dowr Internet and add it to the specified SAS S	iload Manager will start do oftware Depot.	wnloading the requested software from the
You are creating a new SAS Software Dep	oot.	
SAS Software Depot location:	C:\SAS Software Depot	
Order number:	Your Order Number	
Order description:	Description	
Disk space available (GBs):	71.4	
Disk space required for order (GBs):	10.5	
Number of files to be downloaded:	460	
Number of hot fixes to be downloaded:	1	
Disk space required for hot fixes (GBs):	0.0	
Total disk space required (GBs):	10.5	
Print		
Help		< Back Download Cancel

A Click **Back** if you need to make any changes. Otherwise, click **Download**.

The download process begins. You must wait for this process to complete.

S	SAS Download Manager			-		×
Do	wnload in Progress				Í	
	Software download in progress.				10111	0
To	top downloading software, select the Stop Download Pro	ocess	; button. You will be ab	le to resume	the	
dov	inloading process the next time you start the SAS Downle	oad I	Manager.			
	5%					
Esti	mated time remaining: 43 minutes, 38 seconds					
Ģ.	Download Status	D	File Extraction Status			
	Downloaded: 632.0 of 10,533.2 MB Rate: 3.5 MB/sec		Extracted: 615.9 of Rate: 0.0 KB/sr	11,073.9 MB		
	Note: 3.3 Mb/ sec		Nate. 0.0 Kb/ 34			
[13: [13:	0:22]: Starting download of file 245 of 545 files 0:25]:Finished download of file 245.					
[13:	0.25]: Starting extraction on file 245 of 545 files 0.25]: Starting download of file 246 of 545 files					
[13:	0.25]:Finished extraction on file 245					
					_	
					_	
	Help		< Back	Stop	Cano	:el

Note: This process can take an extended time.

When the download process is complete, the **Next** button is surfaced.

SAS Download Manager			-		×
Download Complete					
Software download is complete.					
The software has been successfully downloaded. The deployment.	next wizard d	ialog provides details to o	ontinue:	with you	ur
	100%				
Total time: 44 seconds					
Download Status Downloaded: 496.8 of 496.8 MB	D	File Extraction Status Extracted: 0.0 of 0.0 M	ИВ		
Rate: 4.3 MB/sec		Rate: 0.0 KB/sec			
IT 39:X02 Saturing exception on the 336 or 1845 files IT 59:281,Thinked dwinction on file 539 of 1545 files IT 59:282,Thinked dwinction of file 539, of 1545 files IT 59:282,Thinked dwinction on file 539 of 1545 files IT 59:282,Thinked dwinction on file 530 of 1545 files IT 59:282,Thinked dwinction on file 530 of 1545 files IT 59:282,Thinked dwinction on file 540 of 545 files IT 59:282,Thinked dwinction on file 540 of 545 files IT 59:282,Thinked dwinction on file 540 of 545 files IT 59:282,Thinked dwinction on file 541 of 545 files IT 59:282,Thinked dwinction on file 541 of 545 files IT 59:282,Thinked dwinction on file 541 of 545 files IT 59:282,Thinked dwinction on file 541 of 545 files IT 59:282,Thinked dwinction on file 541 of 545 files IT 59:282,Thinked dwinction on file 542 of 546 files IT 59:282,Thinked dwinclad of file 542 of 545 files IT 59:282,Thinked dwinclad of file 543 of 545 files IT 59:282,Thinked dwinclad of file 543 of 545 files IT 59:282,Thinked dwinclad on file 543 IT 59:282,Thinked dwinclad on file 543 files IT 59:282,Thinked dwinclad on file 543 files IT 59:282,Thinked dwinclad on file 543 IT 59:282,Thinked dwinclad on file 543 IT					•
Help		< Back	d >	Can	cel

Click Next.

SAS Download Manager	-		×
Download Complete			
Software download is complete.		1111	
You can print these instructions using the Print button below.			
You have successfully added order 09NBLY (JMP C 7.0 Base. ClinJMP. Graph, JMP C 7.0 Software Depot, from which you should run the SAS Deployment Wizard to deploy your s	JMP4Clin) foftware.	to your S	AS
The following index page provides summary and QuickStart information for all the SAS Software Depot: <u>C\SAS Software Depot\depotsummary.html</u>	oftware Ord	ers in the	SAS
To launch the SAS Deployment Wizard from your SAS Software Depot, go to the location of the following commands based on the operating system you are currently running.	listed below	and use	one
SAS Software Depot Location: C:\SAS Software Depot			
Windows: setup.exe			
z/OS: setup.rexx			
The process of downloading your software from SAS should not be used as a mechanism software across your organization. Instead, users should install from the SAS Software De your licensed number of users or copies.	for distribut pot in accor	ting you dance w	r
Print			
Help < Back	Finish	Can	cel

A Click Finish.



Click Finish.

A Proceed to "Step 2: Install JMP Clinical Software," p. 15.

Step 2: Install JMP Clinical Software

Step 2a: Determine the location of the SAS Software Depot containing the JMP Clinical software to be installed.

By default, the location of the depot is C:\SAS Software Depot.

Step 2b: Open the SAS Software Depot.



- $^{\circ}$ Double-click on the setup icon ($^{\circ}$) to open the application.
- A Proceed to Step 2c.

Step 2c: Installation



A Select Install SAS Software and click Next.

SAS Deployment Wizard	_		\times
Select Deployment Task			חח
Select the deployment task you would like to perform.			
End User Tasks 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 and remove this option.	SAS softw	are orde	rs with
Create or Add to a SAS Software Depot			
Choose this option to copy an order from this SAS Software Depot to another new Depot.	or existing	SAS Soft	tware
Help Sack	lext >	Can	cel

A Specify the location for your software and click **Next**.

SAS Deployment Wizard	-		×
Specify SAS Home			
Specify the location where SAS software will be installed on this machine.			Õ
All future installations will be made to SAS Home once this location is established.			
SAS Home: C:\Program Files\SASHome		Brows	ie
Help < Back	Next >	Canc	el

The list of software to be installed is shown.

Select the produ	icts you want to install on this machine.	
roducts to install:	SAS Foundation and related software	
Product		Info
DataFlux API for	Hadoop	0
International Co	mponent for Unicode	Ö
JMP Clinical		0
Report Fonts for	Clients	0
SAS Client Conr	ection Profile Configuration	0
🗹 SAS Deploymen	t Tester - Client	0
SAS Drivers for J	DBC	0
SAS Drivers for (DBC	0
SAS Enterprise G	uide	0
SAS Foundation		
SAS Hive SerDe	ior SPDE Data	0
SAS Integration	Technologies Client	0
SAS Intelligence	Platform Object Framework	
SAS Manageme	nt Console	0
SAS ODS Graphi	cs Designer	
SAS ODS Graphi	cs Editor	
SAS PC Files Ser	/er	
SAS Personal Lo	gin ivianager	
SAS Providers to	r OLE DB	
SAS Keniole Bro	formance Data Server Plug-in for SAS Management Console	
SAS Studio - Sin	nle liser	
SAS Studio Basi		v
SAS Threaded K	ernel Extensions for Data Mining	
SAS Universal Vi	ewer	ŏ
SAS Web Applic	ation Server	ŏ
SAS XML Mappe	 ?r	Ö
SAS/GRAPH Act	iveX Control	0
SAS/SECURE Cli	ent Components	0
SAS/SECURE To	olkit Libraries from RSA (R)	0
Standalone Forr	nats	0
Select All	Clear All	

 $^{\circ}$ Make no changes to the selections.

Click Next.

The SAS Enterprise Guide options to be installed are displayed.

SAS Deployment Wizard	-		×
Select SAS Enterprise Guide Mode			הם
Select which mode of SAS Enterprise Guide to install.			
SAS Enterprise Guide can be installed in one of two modes on this machine. Select whi Guide to install from the options below.	ch mode of SA	S Enterp	orise
64-bit Native Mode			
SAS Enterprise Guide will be installed to run in 64-bit native mode. Applications ru can access memory beyond the 4 GB limit imposed on applications running in 32-1	nning in 64-bit pit compatibili	native r ty mode	node
○ 32-bit Compatibility Mode (Recommended)			
SAS Enterprise Guide will be installed to run in 32-bit compatibility mode. Applicat compatibility mode are limited to 4 GB of memory by the operating system.	ions running ir	n 32-bit	
Help < Back	Next >	Can	cel

A Make no changes.

A Click Next.

The SAS Foundation Products to be installed are displayed.

SAS Deployment Wizard	_		\times
Select SAS Foundation Products			
Further customize the software by selecting the SAS Foundation products to install.		-	ő
Select the SAS Foundation products to install.			
BASE Infrastructure to support Hadoop			
Base SAS			
SAS High-Performance Server			
SAS High-Performance Statistics Server Components			
SAS Interface to Viya Model Publishing and Scoring			
SAS Scalable Performance Data Client			
SAS/ACCESS Interface to PC Files			
Select All Clear All			
Help < Back	Next >	Cano	cel

A Make no changes.

Click Next.

The name and path to SAS installation data file are displayed.

SAS Deployment Wizard			-		×
Specify SAS Installation Data File					
Specify the full path to your SAS in	stallation data file.				
SAS installation data file: (example: SA	594_123456_999999999_win	.txt)			
Path to the Installation File			:	Brow	se
Details of the selected SAS installation	data file:				
Product: SAS 9.4					
Platform: Microsoft Windows Workst	ation for x64				
Order: 09N9MX					
Licensed SAS Foundation Software	Expiration Date				
Base SAS	01JAN2022				
JMP Clinical	01JAN2022				
SAS Enterprise Guide	01JAN2022				
Help		< Back	Next >	Cano	el

A Make no changes.

A Click Next.

The name and path to JMP installation data file are displayed.

SAS Deployment Wizard			_		\times
Specify SAS Installation Data File for JMP				F	h
Specify the full path to your SAS installation data file f	for JMP.				
SAS installation data file: (example: SAS94_123456_999999	199_win.txt)				
Path to the Installation File				Brow	se
Details of the selected SAS installation data file:					
Product: JMP 14.1					
Platform: Microsoft Windows for x64					
Order: 09N9MX					
JMP for Clinical 01JAN2022					
Help		< Back	Next >	Canc	el
		. Dock	THEM P	cune	

A Make no changes.

A Click Next.

The list of language support files to be installed is shown.

S 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.		
IMP Clinical		
SAS Enterprise Guide		
SAS Foundation		
SAS Integration Technologies Client		
SAS Providers for OLE DB		
SAS/GRAPH ActiveX Control		
Arabic		_
Chinese Simplified		
Chinese Traditional (Hong Kong SAR)		
Chinese Traditional (Taiwan)		
Danish		
Dutch		
English		
French		
German		
M Hebrew		
Hungarian		
Korean		
Polish		
Portuguese (Brazil)		
V Russian		
Swedich		
V Unicode Support		
i oncode support		
Select All Clear All		

Note: JMP Clinical is currently supported for English, Chinese, and Japanese. You can install Chinese and/or Japanese if needed. To save hard disk space, all other languages should be unchecked.

- A Click Clear All to deselect all languages except for English and Unicode.
- A Check Chinese Simplified and/or Japanese, if desired.
- Click Next.
- A Make sure the regional settings are as shown below:

SAS Deployment Wizard			-		×
Select Regional Settings					
Select the appropriate region	al settings for your SAS software.				
The region format controls how data. Select the region format ap	SAS software displays text, numbers, o propriate for your SAS software.	urrencies, date a	and time value	s, and so	rts
Language (Region) [Locale]	English (United States) [en_US]				~
Help		< Back	Next >	Cano	el:

Click Next.

You are asked to select the default SAS product to be used to open SAS file types.



A Make no changes.

Click Next.

The Installer begins by checking your system for required components. You must wait for this process to complete.

Note: This process can take an extended time.

Note: JMP Clinical requires Microsoft .Net Framework 4.6¹ software to be installed prior to installation. This package can be downloaded from <u>https://www.microsoft.com/en-us/download/</u> details.aspx?id=49981.

SAS Deployment Wizard		-		×
Checking System			I	
Tooling initialization complete				
190 / 190 (10	0%)			
Examining File System				
5,801 / 40,404 ((14%)			
Required disk space: 4,109 MB	Avai	lable disk sj	pace: 62,1	196 MB
Refresh. If you choose not to remediate the problem at this tim Unwritable files: 0	e, click Cancel to quit.	de triese cri	langes, ci	
Help	< Back	Vext >	Cano	el

Click **Next** when the System Check is complete.

^{1.} If you are running the Microsoft Windows RT 8.1, Windows 8.1, or Windows Server 2012 R2, You should verify that the update KB2919355 has been installed before you can install Microsoft .Net Framework 4.6. Microsoft will not support Windows RT 8.1, Windows 8.1, and Windows Server 2012 R2 systems that do not have KB2919355 installed. Refer to SAS Note 59416 (http://support.sas.com/kb/59/416.html) for more information.

SAS Deployment Wizard	– 🗆 X
Checking System	
Tooling initialization complete	
190 / 190 (100%)	
Examining File System	
40,404 / 40,404 (100%)	
Required disk space: 6,402 MB	Available disk space: 62,196 MB
If any files are shown below, your installation cannot proceed because some of the added/modified/deleted are either locked or do not have write permissions. When I scanning your file system, stop the SAS servers and SAS Windows services, quit any running, and add write permissions to those files that are not writable. When you ha Refresh. If you choose not to remediate the problem at this time, click Cancel to qu unwritable files: 0	files that need to be he installer has finished SAS applications that might be ave made these changes, click it.
Help < Back	Next > Cancel

H Examine the Deployment Summary.

SAS Deployment Wizard	- 0	×
Perior the actives selected for dealerment of several differences 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.		
1 Microsoft Office Access Database Engine 2010		í
2. Microsoft Runtime Components 2013		
3. Microsoft Runtime Components 2015		
4. Microsoft Runtime Components 2017		
Stage 2: Installation		
1 SAS Private Java Runtime Environment (64-bit)		
2. SAS Deployment Manager		
3. SAS Deployment Support Components		
4. SAS/SECURE Java Component M3		
5. SAS/SECURE Java Component		
6. SAS/SECURE Java Component (Update)		
7. SAS/SECURE Java Component M4		
8. SAS Providers for OLE DB (04-bit, English)		
10 SAS Integration Technologies Client (64-bit English)		
11. SAS Integration Technologies Client (32-bit English)		
12. SAS Diagram Control (64-bit, English)		
13. SAS Diagram Control (32-bit, English)		
14. SAS/GRAPH ActiveX Control (32-bit, English)		
SAS/GRAPH ActiveX Control (64-bit, English)		
16. SAS Enhanced Editor (64-bit, English)		
17. SAS Enhanced Editor (32-bit, English)		
10. Enreaded Kernel Grid JAK Files		
20 SAS Viva Content Vertical Help and Documentation		
21. SAS/ACCESS Interface to PC Files Help and Documentation		
22. Common Content product - vertical Help and Documentation		
23. Threaded Kernel Java Jars		
24. Base SAS Help and Documentation		
 SAS Threaded Kernel Core Routines (64-bit, English) 		
26. SAS Threaded Kernel Core Routines (B5M004, 64-bit, English Update)		
27. SAS I nreaded Kernel Core Routines (BSIVIUUS, 04-bit, English Update) 28. SAS Threaded Kernel Core Routines (BSIVIUUS, 64-bit, English Update)		
29. SAS Threaded Kernel Core Routines (B5M008, 64-bit, English Opdate)		
30. SAS Threaded Kernel Core Routines (B5M009, 64-bit, English Update)		
31. SAS Threaded Kernel DS2 and FedSQL Language Processors (64-bit, English)		
32. SAS Threaded Kernel Extensions for FedSQL and DS2 Standalone (64-bit, English)		
33. SAS Threaded Kernel Extensions for FedSQL and DS2 Standalone (C7Z001, 64-bit,	English Update)	
34. SAS Threaded Kernel In-Database Supervisor (64-bit, English)		
 Threaded Kernel OLAP Server Component (64-bit, English) Threaded Kernel Extensions for SAS/OC (64 bit English) 		
37 SAS Table Server Base Components (64-bit English)		
38. Threaded Kernel Metadata Component (64-bit, English)		
39. Threaded Kernel Metadata Component (C1D002, 64-bit, English Update)		
40. SAS Threaded Kernel Extensions for Interactive Matrix Language (64-bit, English)		
41. SAS Threaded Kernel Secure (64-bit, English)		
42. SAS Threaded Kernel Secure (B5S003, 64-bit, English Update)		
43. Threaded Kernel Log for SAS (64-bit, English)		
44. Threaded Kernel IOM (04-bit, English) 45. Threaded Kernel IOM (86M001, 64-bit, English Undate)		
46. Threaded Kernel IOM (B6M003, 64-bit, English Opdate)		
47. Threaded Kernel IOM (B6M004, 64-bit, English Update)		
48. SAS Threaded Kernel Driver for SAS Scalable Performance Data Server (64-bit, Eng	lish)	
49. SAS Threaded Kernel Component for Accessing the Threaded Kernel from JAVA (64-bit, English)	
50. SAS Threaded Kernel Interface to R (64-bit, English)		
51. SAS Threaded Kernel Message Passing Interface (64-bit, English)		
52. SAS Threaded Kernel Unline Documentation (04-bit, English) 52. SAS Threaded Kernel Hear Experience (64 bit, English)		
verall Progress	Completed successful	illy
0%	Completed with war	nipar
	Completed with erro	ys rs
	completed with end	
Help < Back	start Cano	el

A Click **Start** to begin the installation.

You might be required to reboot your machine one or more times during the installation. You will need to restart the installation after each reboot.

As each component is successfully installed, a green check mark appears.



The Next button becomes active when the installation is complete.



Click Next.

⁽¹⁾ Specify whether you want to allow information about hardware, platform, and installed products transmitted to SAS.



Click Next.

SAS Deployment Wizard	_		\times
Additional Resources			
Below are links to additional resources for your deployment.		-	Õ
SAS Customer Support Center			
http://support.sas.com			
SAS Installed Software and Components report			
http:///c:\Program Piles\SASHome\Installiviisc\Installcogs\DeploymentRegistry.html			
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/			
SAS Training			
http://support.sas.com/training			
Administrative Servicer			
http://support.sas.com/adminservices			
Print			
Help	Finish	Can	el
- Duck		Com	

A Click Finish to complete the installation and close the Deployment Wizard.

Note: If you plan to perform an installation qualification for JMP Clinical, you must do it now, before you launch JMP Clinical for the first time. Refer to the JMP Clinical Installation Qualification and Operation Qualification (IQ/OQ) guide for more details.

Step 2d: Verify that JMP Clinical has been successfully installed.

H Click Start > All Programs > SAS > JMP Clinical 7 to open JMP Clinical.

The first time you open JMP Clinical, you might be asked to register your software. Follow the instructions to register your software.



You will be asked to select a configuration.



A Select **Default** and click **OK**.

The Clinical Main Window will open. All JMP Clinical processes can be run from the Main Window. You will be prompted to add a study.

A Click OK.



* Either click ? (circled above) or refer to the <u>Studies</u> documentation for information and instructions on adding the included Nicardipine study. By default, the Nicardipine data is located in C:\Program Files\SASHome\JMPClinical\14\LifeSciences\Sample Data\Nicardipine.

You should run at least one process (**DM Distribution**, for example) using one of the sample settings to verify successful installation.

Appendix 1: Installing JMP Clinical from DVD

After you submit your signed paperwork for JMP Clinical 7, you will receive an installation package containing three DVDs. The DVDs contain both your software and the SAS Download Manager. The package also includes an information sheet listing your order number, an installation key code specific to your order and contact information for SAS Technical support. Installation of the SAS Software Depot from DVD is very similar to the web download described above, with some minor exceptions, and you should refer to this procedure for more details.

Installing the SAS Software Depot

1 Insert the disk labeled **SAS Software Disk 1**.

 $^{\circ}$ Navigate into the disk's directory and double-click on the setup icon (s) to open the application.

 \mathcal{T} Click **Yes** if you are prompted to run this file.

A window asking you to specify the language of your installation will open.

A Select the desired language and click **OK** to start the SAS Deployment Wizard.

You will be asked to select a deployment task.

Your order details should be specified automatically.

Click Next.

 ${}^{\circ}$ Make sure that **Include complete order contents** is selected and click **Next**.

By default, the software depot is installed to the C:\SAS Software Depot directory. If this directory does not exist, it is created for you. You should accept the default location unless there is a pressing need to place the software elsewhere.

Several windows will appear in succession

- Click Next (or Yes) in each window to continue
- The Review the install information. Click **Back** if you need to make any changes. Otherwise, click **Start** to begin the installation.

Note: Installation of this software can take an extended time. You must wait for this process to complete.

During the installation, you will be prompted to change disks.

As the installation continues, you will be prompted to change disks several times. Remove the current disk and insert the specified disk. Click **OK** to continue the installation.

When the download process is complete, the **Next** button is surfaced.

Click Next.

Click Finish.

^(*) Proceed to <u>"Step 2: Install JMP Clinical Software," p. 15</u>.

Appendix 2: Installing a Minimal Version of JMP Clinical

Note: You will need to obtain a *Recipe* file to specify the SAS components to be downloaded and installed on your computer. Please contact JMP Technical support to get this file. Once you have received this file, copy it to a new directory.

Download the SAS Download Manager as described in <u>"Step 1: Download and Run the SAS</u> Download Manager Application," p. 4.

Type cmd in the Window Search box to open a Windows Command Prompt window and press Enter.



At the prompt, type cd<space> and paste the file path to the directory in which the SAS Download Manager is located. In this example, the download manager is located in the C:\SAS Software Depot directory. Press Enter.



At the prompt, enter the name of the SAS Download Manager followed by the instruction to show the recipe option followed by the command to subset the install according to the recipe as follows:

<space>.\<name of SAS Download Manager><space>

Do not type the angled brackets. Do not press Enter.

- A Copy the following and paste immediately following the space:
 - -- -showCustomizedRecipeOption -subsetbyrecipe
- Dress Enter.



The SAS Download Manager opens. You might see the window shown below.



¹ If the above window appears, click **Yes**.

A window asking you to launch the SAS Download Manager will open.



Click Run.

A window asking you to specify the language of your installation will open.

S Choose Lang	uage		×
Select a languag Download Mana	e in which to Iger.	o view the	SAS
English			~
\subset	ок	Cancel	

 $^{\circ}$ Select **English** and click **OK**.

A Enter your order number and installation key (from the email) in the text fields.

SAS Download Manager	-		×
Order Information			DQ
specity your order information.		and to	U
Order Number: Your Order Number			
SAS Installation Key: XXXX - XXXX - XXXX Paste From Clipboard			
	\frown		
Help < Back	Next >	Car	ncel

Click Next.

 \mathcal{T} Examine the order details.

SAS Downlo	oad Manager	-		×
Specify Order	Details			
Edit the de	scription and add notes for this order to aid with future tracking.			
You must insta or adding softv You can create	Il your software from a SAS Software Depot, and this is the first step in cro ware to one from media you have created. Review the contents of the or a custom description and notes to differentiate this order from others in	eating a SAS So der you are wo your SAS Soft	oftware l rking wi ware De	Depot th. pot.
Order number:	Your Order Number			
Description:	JMP C 7.0 Base. ClinJMP. Graph, JMP C 7.0 JMP4Clin			
Notes:				
<u>Click to see the</u>	contents of your order that correspond with the SAS Products to Includ	<u>e below</u>		
SAS Products to	o Include in the SAS Software Depot:			
Help	< Back	Next >	Cano	:el

Click Next.

SAS Download Manager	-		×
Specify Order Options			
Specify the contents of the order			
Include complete order contents Include all the products that come with this order. This is the suggested option. Subset order contents Include only selected products based on any combination of selected platforms/og and languages.	perating systen	ns, produ	cts,
Help < Back	Next >	Cano	el

Click Subset order contents and click Next.

SAS Download Manager	-		×
Specify Subset Recipe			
Specify a standard or customized subset recipe.			ŏ
○ Select from the standard subset recipe files			
Specify the full path to a customized subset recipe file		_	_
	(Brow	se
Choose which recipe from the recipe source selected above:			
			\sim
Details of the selected subset recipe:			
A Recipe file not found at location given.			
Help < Back	Next >	Cano	el

The Click Specify the full path to a customized subset recipe file. Click Browse to open an Open window.

🧕 Open					×
Look in:	JMPC_Ins	tall	~	- ⊡ 对 🎝	
Recent Items	🔮 recipe_jm	oclin			
Desktop					
Documents					
This PC					
Network	File name: Files of type:	recipe_jmpclin.xml All Files		(Open Cancel

A Navigate to the directory containing the **Recipe** file, Select the **Recipe** file and click **Open**.

SAS Download Manager	-		×
Specify Subset Recipe			
Specify a standard or customized subset recipe.			
○ Select from the standard subset recipe files			
Specify the full path to a customized subset recipe file			
C\Users\jmptest\Desktop\JMPC_Install\recipe_jmpclin.xml		Brow	se
Choose which recipe from the recipe source selected above:			
JMP Clinical 7 Recipe			\sim
Details of the selected subset recipe:			
Used to subset JMP Clinical 7 and the minimum requirements necessary for it to run.			
Help < Back	Next >	Cano	el:

The **Recipe** file has been specified.

Click Next.

		_	
SAS Download Manager	_		×
Specify Subset Options		ſ	
Select the method or methods you want to use in order to subset the			
contents of the order.			
Include complete recipe contents			
Include all the products that come with this recipe. This is the recommended optio	n.		
○ Subset order contents			
Each of the following options represents a way of categorizing products in y select an option, it will trigger subsequent dialogs that allow you to select pr subset based on what is available in the order.	our order. Wi oducts to incl	hen you ude in a	
By product platform/operating system			
By product languages			
Help < Back	Next >	Cano	el

A Select Include complete recipe contents and click Next.

SAS Download Manager	-		×
Specify SAS Software Depot Options			
The software you are downloading will be added to an existing SAS Software Depot or used to create a new one. Use this page to specify details about how you want the SAS Download Manager to handle your depot.		ann	
SAS Software Depot Directory:			
C\SAS Software Depot		Brov	vse
Help < Back	Next >	Can	cel

By default, the software depot is installed to the C:\SAS Software Depot directory. If this directory does not exist, it is created for you. You can accept the default location or specify an alternate location.

H If prompted, click **Yes** to create a directory for the **Software Depot**.



 ${}^{\ensuremath{\textcircled{}}}$ Review the install information.

SAS Download Manager			-		\times
Final Review				1	
Confirm the following information.					
When you click Download, the SAS Down Internet and add it to the specified SAS S	iload Manager will start download oftware Depot.	ding the requ	ested softwar	e from th	e
You are creating a new SAS Software De	oot.				
SAS Software Depot location:	C:\SAS Software Depot				
Order number:	09NBLY_2018-10-26-12.32.50				
Order description:	JMP C 7.0 Base. ClinJMP. Graph,	JMP C 7.0 JM	IP4Clin		
Disk space available (GBs):	68.4				
Disk space required for order (GBs):	7.0				
Number of files to be downloaded:	257				
Number of hot fixes to be downloaded:	56				
Disk space required for hot fixes (GBs):	0.5				
Total disk space required (GBs):	7.4				
Dit					
Print					
Help	<	Back	ownload	Cano	:el

Note that the total disk space required for this install is 5-8 GBs, depending on your recipe file. The disk space needed for a full install is 10.5 GBs. (See page 10.)

A Click **Back** if you need to make any changes. Otherwise, click **Download**.

The download process begins. You must wait for this process to complete. The download process proceeds as described on pp. 11-13.

⁽¹⁾ Proceed to <u>"Step 2: Install JMP Clinical Software," p. 15</u>.

Appendix 3: Increasing the Memory Allocation for SAS Processes Run under JMP Clinical

While native JMP stores all data in memory, the SAS processes run by JMP Clinical use a combination of both memory and disk. The latter enables the system to handle very large data sets, but run times can sometimes be slow due to read and write speed to disk. If your computer has 4 gigabytes of memory or more and your data sets are 1 gigabyte or less, you can improve the performance of SAS runs by allocating more memory to SAS. Use the following steps:

- Close all JMP and SAS sessions.
- Navigate into the C:\Program Files\SASHome\SASFoundation\9.4\nls\en directory (or the directory in which SAS is installed).
- A Create a backup copy of the SASV9.CFG file and save the backup to another directory.

Note: It is very important that you create this backup copy before making any modifications to the SASV9.CFG file. Changes to the SASV9.CFG file might prevent SAS from functioning properly. Having this backup will enable you to revert to the original configuration.

- HOpen the SASV9.CFG file using a text editor such as Notepad or TextPad.
- \mathcal{A} Scroll down through the file to the -MEMSIZE 2G line of code.

A Delete the -MEMSIZE 2G line of code and replace it with the following 4 lines of code:

- -MEMLIB -MEMSIZE 0 -MEMMAXSZ *G -SORTSIZE *G
- where * indicates the number of gigabits of RAM to allocate to SAS. A recommended amount for both -MEMMAXSZ and -SORTSIZE is 3⁄4 of your total RAM. For example, if you have 8G of RAM, specify 6G for both of these options.

Caution: Do not exceed your machine's available RAM. You must leave sufficient memory available for other processes. If a SAS process does exceed the memory limits you specify, you will see an error message in the SAS log such as "Out of Memory" or "Unable to Allocate Sufficient Resources". In such cases, you should remove the options above and let SAS use disk space to store large working data sets.

Appendix 4: Reconfiguring JMP Clinical for Use with Non-English Operating Systems

JMP Clinical can be run on computers running either an English or Chinese or Japanese-language operating system. Data consisting of words, symbols, or other elements from the same language as the specified OS only can be run without additional modifications. If you install JMP Clinical on Chinese or Japanese OS, your software should configure itself to use Unicode for both the SAS and JMP components.

- H Download and install the SAS Software Depot as described previously.
- Install SAS as described previously. (See page 20.) When the installation is finished, make sure the language is set to U8 in the SASV9.CFG file.
- [∽] Navigate to C:\Program Files\SASHome\SASFoundation\9.4.

Note: This assumes you have installed SAS in the default location.

Open the SASV9.CFG file using a text editor such as Notepad or TextPad. This file should contain only the following line of code:

```
<-CONFIG "C:\Program Files\SASHome\SASFoundation\9.4\nls\**\SASV9.CFG">.
```

where ****** is the two-letter language abbreviation.

A Change the language abbreviation to U8.

Save the change and close the file.

Note: Your data must be in U8 format if you are running JMP Clinical in a language other than English. To convert your data to U8, Use the **Convert Data Sets to U8 Format** function located in the Language section of the Settings window. Refer to the <u>Settings</u> documentation for more information.