

SAS®9 Installation Guide for SAS Education Analytics Suite

SAS Deployment Wizard 9.4 M4

Prepared for **SAS University Customers**

V1.00



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1 SAS Deployment Wizard 9.4

1.1 Purpose

The purpose of this document is to provide a guide on how to install and validate the SAS Education Analytics Suite on to a windows 64 bit workstation.

1.2 Installation

The document assumes the depot has been downloaded and located on the network for example "Z:\SASDepot" This is denoted as <depot> below.

Run the setup by Right Click on <depot>\setup.exe and selecting "Run as Administrator"

Page 5 of 19 INSTALLATION REPORT

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🔆 Favorites	Name *	Date modified	Туре
🧮 Desktop	🍌 hot_fix	12/6/2016 7:29 PM	File I
Downloads	🔒 install_doc	12/6/2016 7:28 PM	File
Recent Places	🌗 media_data	12/6/2016 7:28 PM	File
	🐌 order_data	12/6/2016 7:28 PM	File
🗃 Libraries	🔑 plan_files	12/6/2016 7:28 PM	File
Documents	🔒 product_data	12/6/2016 7:28 PM	File
🌙 Music	products	12/6/2016 7:28 PM	File
Pictures	📕 sid_files	12/6/2016 7:28 PM	File
🛃 Videos	standalone_installs	12/6/2016 7:28 PM	File
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Local Disk (C:)	. 👪 vjr	12/6/2016 7:29 PM	File
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2	📄 sassd.txt	12/6/2016 7:28 PM	Text
💶 Network	setup.dat	12/6/2016 7:28 PM	DAT
	S setup.exe	11/10/2016 4:43 AM	Арр
	setup.rex	8/18/2016 2:04 PM	REX
	setup.sh	9/27/2016 3:49 PM	SH F

SAS Deployment Wizard

SAS[®] Deployment Wizard 9.4

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§ sas

Select English. Click Next

S Choose La	anguage		×
Select a lang Wizard.	uage in which to	view the SAS [eployment
English			•
	ОК	Cancel	

Select Install SAS Software. Click 'Next'

🕥 SAS Deployment Wizard
Select Deployment Task 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 SAS software orders with this option.
C Create or Add to a SAS Software Depot
Choose this option to copy an order from this SAS Software Depot to another new or existing SAS Software Depot.
Help < Back Next > Cancel

Select Installation Path and Click Next

SAS Deployment Wizard	
Specify SAS Home Specify the location where SAS software will be installed on this machine.	00
SAS Home: C:\Program Files\SASHome	Browse
Help < Bi	ack Next > Cancel

Select Install SAS Foundation and Related Software and Click Next

SAS Deployment Wizard	_ 🗆 🗙	
Select Deployment Type		
Select the type of deployment you want to perform.	Ō	
O Perform a Planned Deployment		
Perform a planned deployment of SAS software using a sample deployment plan or a customized deployment plan cre specifically for your site. A planned deployment consists of installing and configuring the software on each machine in deployment plan. You may choose to perform these steps independently by selecting from the options below.	eated h the	
🔽 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.		
O 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.		
Help Car	ncel	

The default applications to be installed will be automatically selected. Here is a list for reference. You may elect to add **SAS Bridge for Esri** to your installation.

SAS Deployment Wizard		
Select Products to Install		
Select the products you want to install on this machine.		
Products to install: SAS Foundation and related software		_
Product		Info
DataDirect ODBC Driver for Greenplum		
DataFlux API for Hadoop		- <u>ă</u> -
Deployment Backup and Recovery Tool Help and Documentation		
International Component for Unicode		0
Report Fonts for Clients		Ŏ
SAS Add-in for Microsoft Office		Ŏ
🔽 SAS Bridge for Esri		0
SAS Client Connection Profile Configuration		0
SAS Configuration Manager		0
SAS Deployment Tester - Client		0
SAS Deployment Tester Plug-in for SAS Management Console		0
SAS Document Conversion		
SAS Drivers for JDBC		0
SAS Drivers for ODBC		0
SAS Enterprise Guide		0
SAS Enterprise Miner Client		<u> </u>
SAS Enterprise Miner JAR Files		0
SAS Enterprise Miner Workstation Configuration		0
SAS Environment Manager		
SAS Environment Manager Agent		
SAS Environment Manager Library Module		
SAS Environment Manager Mid-Tier		
SAS Environment Manager Server Module		
SAS Environment Manager User Module		
SAS Flex Application Themes Help and Documentation		<u> </u>
SAS Foundation		
SAS Foundation		
SAS Help Viewer for the Web		- <u>ă</u>
SAS Hive SerDe for SPDE Data		
SAS Integration Technologies Client		-ŏ-
SAS Intelligence Platform Object Framework		ŏ
SAS Management Console		ŏ
SAS ODS Graphics Designer		
SAS ODS Graphics Editor		0
SAS Package Reader (Advanced)		0
SAS PC Files Server		0
🔲 SAS Personal Login Manager		0
SAS Providers for OLE DB		0
SAS Remote Browser Server		0
SAS Scalable Performance Data Server Plug-in for SAS Management Console		0
SAS Shared Services		0
SAS Simulation Studio		0
SAS SQL Library for C		0
I SAS Staging Utility Mid Tier		<u> </u>
SAS Staging Utility Server Tier		
SAS Studio - Single User		
	1	
Select All Clear All		
Help	< Back Next >	Cancel

SAS Deployment wizaru		_ 🗆 🗵
Select Products to Install		
Select the products you want to install on this machine.		LC L
Products to install: SAS Foundation and related software		T
, <u> </u>	1	
Product		Info
SAS Text Miner Client		ŏ ^
SAS Text Miner Workstation Configuration		0
SAS Threaded Kernel Extensions for Data Mining		0
SAS Universal Viewer		
SAS Web Application Server		ŏ
SAS Web Application Themes		0
SAS Web Infrastructure Platform		0
SAS Web Infrastructure Platform Help and Documentation		
SAS Web Infrastructure Platform Scheduling Services		ŏ
SAS Web Server		Ŏ
SAS Workflow Studio		0
SAS XML Mapper		
SAS/CONNECT Driver for Java		<u> </u>
SAS/GRAPH Java Applets for Web Servers (Advanced)		ŏ
SAS/GRAPH NV Workshop		Ö
SAS/IML Studio		0
SAS/SECURE Client Components		
Standalone Formats		
Select All Clear All		
Halp	< Pack Novt >	Capcal
Help	< Back Next >	Cancel
Help	<back next=""></back>	Cancel (
Help Select the Enterprise Guide mode (Recommende	<pre><back next=""> ed is 64-bit Native</back></pre>	Cancel mode)
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Help Select the Enterprise Guide mode (Recommende Salect SAS Deployment Wizard Select SAS Enterprise Guide Mode Select which mode of SAS Enterprise Guide to install. SAS Enterprise Guide can be installed in one of two modes on this machine. Select from the options below. Saturd Sa	< Back Next > ed is 64-bit Native ect which mode of SAS Enterpris	Cancel mode)
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Click Next

SAS Deployment Wizard	
Select SAS Foundation Products Further customize the software by selecting the SAS Foundation products	s to install.
Select the SAS Foundation products to install.	
 BASE Infrastructure to support Hadoop Base SAS GfK GeoMarketing CITIES Maps for SAS/GRAPH GfK GeoMarketing WORLD Maps for SAS/GRAPH SAS Accelerator Publishing Agent for Aster SAS Accelerator Publishing Agent for DB2 SAS Accelerator Publishing Agent for Greenplum SAS Accelerator Publishing Agent for Netezza SAS Accelerator Publishing Agent for Netezza SAS Accelerator Publishing Agent for SAP HANA SAS Accelerator Publishing Agent for SAP HANA SAS Accelerator Publishing Agent for Teradata SAS Enterprise Miner SAS High-Performance Data Mining Server Components SAS High-Performance Statistics Server Components SAS High-Performance Statistics Server Components SAS High-Performance Statistics Server Components 	
Help	< Back Next > Cancel

Browse for a valid license and select Next

wse
4
-

Select Clear All and select Next

SAS Deployment Wizard	
Select Language Support Select the languages for your software to support.	DO REAL
Select the languages you would like to install for the products listed below. SAS Enterprise Guide SAS Foundation SAS Integration Technologies Client SAS Providers for OLE DB SAS/GRAPH ActiveX Control SAS/IML Studio	
Arabic Chinese Simplified Chinese Traditional (Hong Kong SAR) Chinese Traditional (Taiwan) Danish Dutch English French German Hebrew Hungarian Tralian Select All	×
Help	< Back Next > Cancel

Update to English (Australia) [en_AU]

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. SAS Enterprise Guide SAS Foundation SAS Integration Technologies Client SAS Providers for OLE DB SAS/GRAPH ActiveX Control SAS/IML Studio		
Arabic Chinese Simplified Chinese Traditional (Hong Kong SAR) Chinese Traditional (Taiwan) Danish Dutch Finglish French German Hebrew Hungarian Ttalian		×
Help	< Back	Next > Cancel

Select Product you want to open SAS Files with (Recommended is SAS Enterprise Guide)

SAS Deployment Wizard	
Default Product for SAS File Types Specify the default product that will be used to open SAS file types that are by more than one product.	shared
Select one of the following SAS products. In Windows Explorer, when you doub one SAS product, that file will be opened with the product you specify here.	e-click a file that could be opened by more than
C SAS Foundation (64-bit)	
SAS Enterprise Guide (64-bit)	
○ Use the existing default product for SAS file types	
Help	< Back Next > Cancel

Leave the defaults and click Next

		- 🗆 ×
Specify SAS Document Conversion Host and Port Specify connection information for SAS Document Conversion.		
Host Name:		
com		
Port Number:		
7111		

Click Start

SAS Deployment Wizard	
Deployment Summary	
Review the software selected for deployment. No changes will be made system in record mode.	to your
Stage 1: Installation	<u>ـ</u>
1. SAS Private Java Runtime Environment (64-bit)	-
2. SAS Deployment Manager	-
3. SAS Deployment Support Components	
4. Microsoft.NET Framework 3.5 Service Pack 1	
5. Microsoft.NET Framework 4.6	
6. Microsoft Windows Installer 3.1	
7. Microsoft Web Services Enhancements 3.0	
8. Microsoft Office Access Database Engine 2010	
9. Microsoft Runtime Components 2013	
10. SAS/SECURE Java Component	
11. SAS/SECURE Java Component (Update)	
12. SAS/SECURE Java Component M3	
13. SAS Providers for OLE DB (64-bit, English)	
14. SAS Providers for OLE DB (32-bit, English)	
15. SAS Integration Technologies Client (64-bit, English)	_
	Completed successfully
0%	Ompleted with warnings
	😣 Completed with errors
Help	< Back Next > Cancel
- Toop	Calicor

SAS Deployment Wiz	ard	
Deployment in Progre	55	
96. SASJGRAPH (64-) 97. SAS Data Mining 98. SAS/ACCESS Into 99. SAS/ACCESS Into 100. SAS/ACCESS Into 101. SAS Scalable Pe 102. SAS Accelerator 103. Statistics Comm 104. SAS/ACCESS In 105. SAS/EIS (64-bit, 106. SAS/ACCESS In 107. SAS/ACCESS In 108. SAS/ETS (64-bit, 108. SAS/ETS (64-bit) 109. Advanced Analy + 110. SAS/ACCESS	Sit, English) Scoring (64-bit, English) Inface to Microsoft SQL Server (64-bit, English) Inface to Impala (64-bit, English) Informance Data Client (64-bit, English) Publishing Agent for Teradata (64-bit, English) Publishing Agent for Teradata (64-bit, English) In Components (64-bit, English) English) Inface Products Samples (64-bit, English) Inglish) Inface to Aster (64-bit, English) Inglish) Itics Common Components (64-bit, English) Interface to ODBC (64-bit, English) English) English) English) ESS Interface to ODBC (64-bit, English)	n) h)
	100%	
	Undating Files	Completed successfully
Overall Progress	opuating riles.	Completed with warnings
Help		< Back Stop Cancel
Overall Progress	Updating Files. 37%	Completed with warnin Completed with errors Stop Completed with warnin Completed with warnin Completed with errors < Back

Review all components completed successfully (indicated by ²)and click **Next**.

SAS Deployment Wizard
Deployment Complete
 210. SAS Threaded Kernel Extension for PostgreSQL (32-bit, English) 211. SAS/ACCESS to Hadoop JAR Files 212. SAS Text Miner Workstation Configuration 213. SAS Java Component for Accessing Threaded Kernel from Java 214. SAS Formats Library for Greenplum (English) (Greenplum on Linux 64) 215. SAS Threaded Kernel Extensions for High-Performance Data Mining (64-bit, English) 216. SAS Threaded Kernel Extension for Netezza (64-bit, English) 218. SAS ODS Graphics C Renderer 219. SAS Threaded Kernel Extension for ODBC (64-bit, English) 210. SAS Threaded Kernel Extensions for SAS Text Analytics (64-bit, English) 221. DataDirect ODBC Driver for Greenplum 222. SAS Install Qualification Tool 223. SAS Install Qualification Tool (W83001 Update) 225. Install Post Processing
Help Cancel

Select Finish

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/ 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 Services http://support.sas.com/adminservices	
Print	
Help	< Back Finish Cancel

2 Post Installation Task

2.1 Enterprise Guide

Start "SAS Enterprise Guide 7.1 (64-bit)" from start Menu.

💽 SAS	5 Enterp	orise Gu	ide		
File	Edit	View	Tasks	Favorites	Program Tools Help 🗎 + 🚔 + 🔚 🔛 📇 🌮 🗈 🖹 🗙 ಶ 🍽 🚍 + İšeg Process Flow 🔹
Project	Tree			•	× Process Flow •
				Connection	
				Connectio	on Pronie Unavaliable
					Enterprise Guide is unable to connect to a connection profile. Some functions will be disabled until a connection profile is available.
				-	Do you want to create or modify your connection profile information?
				🗖 Do no	t show this dialog again.
					Yes No

- > Click No on the screen above when asked to create/modify your connection profile information.
- Verify you can see screen similar to below:

💽 SA	S Enterj	orise Gu	ide			
File	Edit	View	Tasks	Favorite	s Pr	ogram Tools Help 🖆 • 🚰 • 🔚 🚰 📇 🌮 ங 🛝 🗙 ಶ 🍽 🗂 🕶 🎰 Process Flow 🕚
Projec	t Tree				• x	Process Flow +
						▷ Run • 🔲 Stop Export • Schedule • 📸 Project Log 🗄 Properties •
					0	Velcome to SAS Enterprise Guide
					Se	elect one of these options to get started:
					Op	en a project
					6	More projects
					Ne	*
					1	7 New Project
					1	New SAS Program
					l i	New Data
					As	sistance
					1	Cutorial: Getting Started with SAS Enterprise Guide
						Don't show this window again

Click on New SAS Program and type the below:

proc print data=sashelp.class;run;

🞯 SAS Enterprise Guide		. 🗆 🗙
File Edit View Tasks Favorites Pro	ogram Tools Help 🗎 + 🚰 + 🔚 🔛 📇 >- 🗈 🟝 🗡 ಶ ៧ 🗂 •	Ŧ
Project Tree 🔹 👻	Program -	×
Process Flow	🔀 Program* 📋 Log 🖄 Results	
Programs	🔚 Save 👻 🕨 Run 👻 💷 Stop 🕴 Selected Server: Local (Connected) 👻 💘 🕴 Analyze Program 👻	
	□ proc program on Local	*
		×

> Verify you can view the contents of the CLASS table as below:

🐼 SAS Enterprise Guide								
File Edit View Tasks Favorites Pr	ogram Tools Help 🛛 🎦 🕶 💪	<u>- 12 </u>	📮	9Z		XIDO	য়	Ŧ
Project Tree 👻 🗙	Program 👻							×
Programs	Refresh Export + Send Tr S Refresh Export + Send Tr Obs 1 2 3 4 5	Nesults o ▼ Create Name Alfred Alfred Alice Barbara Carol Henry	← Pu Sex M F F F M	Age 14 13 13 14 14	Height 69.0 56.5 65.3 62.8 63.5	Weight 112.5 84.0 98.0 102.5 102.5		4
	6 7 8 9	James Jane Janet Jeffrev	M F F M	12 12 15 13	57.3 59.8 62.5 62.5	83.0 84.5 112.5 84.0		
Servers × X	10 11 12 13	John Joyce Judy Louise	M F F F	12 11 14 12	59.0 51.3 64.3 56.3	99.5 50.5 90.0 77.0		
E Servers E - ₽ Private OLAP Servers	14 15 16 17 18 19	Philip Robert Ronald Thomas William	r M M M M M	15 16 12 15 11 15	66.5 72.0 64.8 67.0 57.5 66.5	112.0 150.0 128.0 133.0 85.0 112.0		
Ready			Page	e Break			🔆 No profil	e selected

2.2 Enterprise Miner for Desktop

- Start "SAS Enterprise Miner Workstation 14.2" from Start Menu.
- Verify you are logged in to Enterprise Miner as below

🕂 Enterprise Miner		
File Edit View Actions	s Options Window Help	
🔆 - 🖻 🖻 🗙 🏢 🍖		
	Welcome to Enterprise Miner	
	🤝 Help Topics	
SAS*Enterprise Miner*14.2	💎 New Project	
	🤝 Open Project	
	Recent Projects	
∿sas	Exit	
	•	
		sas as sas 🎘 No project open

Enterprise Miner	ana Uladam Uda	. 🗆 🗙
	()) () () () () () () () () () () () ()	
	Welcome to Enterprise Miner	
SAS*Enterprise Miner*14.2	About Enterprise Miner About Enterprise Miner X About Legal Notices SAS Enterprise Miner 14.2 SAS' Enterprise Miner 14.2 Status Installed SAS Credit Scoring 14.2 Status Installed SAS Text Miner 14.2 Status Installed SAS Text Miner 14.2 Status Installed Sass Sasses	
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▶ Browse to Help > About and ensure Text Miner 14.2 is listed.

2.3 SAS Studio

- Start "SAS Studio 3.6" from Start Menu and wait till you are redirected to a browser page.
- > Verify the page loads up and you can see the screen below:

SAS Studio - Single User × +		
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> Enter the "proc print data=sashelp.class;run;" code and click Submit button as shown below:

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▶ 🚍 C:\	<pre>1 proc print data=sashelp.class;run;</pre>	
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> Verify the output as below:

SAS Studio - Single User +		
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Þ 🔜 A:\	▼ Table of Contents	
Þ 📇 C:\	🔺 🛅 The PRINT Procedure	
▶ 🚍 D:\	Data Set SASHELP.CLASS	
▶ 🔜 E:\		
▶ 🔜 Z:\	Obs Name Sex Age Height Weight	-
	1 Alfred M 14 69.0 112.5	
	2 Alice F 13 56.5 84.0	
 Tasks and Utilities 	3 Barbara F 13 65.3 98.0	
Snippets	5 Henry M 14 83.5 102.5	
	6 James M 12 57.3 83.0	
Libraries	7 Jane F 12 59.8 84.5	
 File Shortcuts 	8 Janet F 15 62.5 112.5	-
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