

STD*MIS 4.x and SAS

The following document will lay out, in general terms, what is required to use SAS in conjunction with STD*MIS 4.x. The following topics will be covered:

- What version of SAS do I need?
- What are the hardware and software requirements for SAS?
- What parts of SAS need to be requested and installed?
- How should SAS be installed to work with STD*MIS?

What version of SAS do I need?

The SAS reports included with STD*MIS 4.x require version 8.2 of SAS or higher. SAS releases “hotfixes” to correct problems in their software and some STD*MIS reports may require that certain “hotfixes” be applied to your current version of SAS in order for the reports to run properly.

What are the hardware and software requirements for SAS?

The detailed hardware and software requirements for SAS are listed in Appendix A. Generally speaking, SAS requires a machine with a Pentium-class processor, 64 MB of memory, and for best performance, a math coprocessor. It will run under all versions of Windows from Windows 95 to Windows XP. The SAS Standard Products suite requires approximately 675 MB of disk space for installation. SAS does provide a systems requirements check program that can be run during installation to verify that a particular system meets the minimum hardware and software requirements needed to run SAS.

What parts of SAS need to be installed?

The SAS system consists of about 35 separate modules or products (see Appendix B). Approximately 20 of these products are bundled together into the Standard Products suite. The remainder are available as individual products. When ordering SAS from CDC, it is recommended that you only request the SAS Standard Products suite. SAS reports for STD*MIS do not require any SAS product outside of this suite. Products not ordered initially can always be ordered at a later date should the need arise.

Although there are approximately 20 modules within the SAS Standard Products suite, only three are needed to run the STD*MIS SAS reports. They are Base SAS, SAS/GRAPH, and SAS/AF. If disk space is limited, disk space requirements can be reduced by approximately 50 per cent by only installing these 3 modules. If you are planning to use SAS as an ad hoc analysis tool outside of STD*MIS, we recommend installing SAS/ACCESS and SAS/STAT in addition to the three modules mentioned above.

How should SAS be installed to work with STD*MIS?

In their installation documentation, SAS has identified several “installation scenarios” that describe the various ways in which the SAS software can be installed. This document will not replicate the detailed instructions for each scenario. It will, however, identify which installation scenarios must be used in order to use SAS in conjunction with STD*MIS. The installation options are broken down between installing SAS for use with STD*MIS on a standalone machine versus installing SAS for use with STD*MIS on a network. Please note that installing SAS can be a highly technical operation and should be done by local IT staff whenever possible.

Single-user installation – For installation on a standalone machine, use the SAS installation scenario entitled “Complete Personal Installation”. This will install a full working copy of SAS on the individual machine. This will require approximately 675 MB of disk space. If there is insufficient disk space for a complete install, follow the directions for the installation scenario labeled “Custom Personal

Installation.” This will allow you to install only the SAS components needed to run STD*MIS reports. As indicated above, installing only these components (Base SAS, SAS/GRAPH, SAS/AF) will reduce the disk space requirements to around 325 MB.

Network installation – For installation of SAS to a network, use the SAS installation scenario entitled “Performing a File Server Installation”. This will create a re-installable image of SAS on the file server of choice. Once the server installation is complete, a “Client Installation” will need to be performed on each workstation that will be running SAS reports out of STD*MIS. This client installation (which occupies approximately 30 MB of disk space) allows the workstation to access the SAS System image installed on the server. This conserves disk space on the workstation while still allowing full access to the SAS software.

APPENDIX A

SAS Release 8.2 (TS2M0), Windows, Windows NT, Windows 2000, Windows XP August 14, 2003

Software Requirements

Windows 2000:

Release 8.2 (TS2M0) of the SAS System is supported on Windows 2000 Professional and all Windows 2000 Server Editions. Administrator privilege is required to install various system updates. To insure that the SAS System can be completely and safely installed, it is strongly recommended that the installer have administrator privilege.

Windows NT:

Running Release 8.2 (TS2M0) of the SAS System under Windows NT requires Windows NT, Version 4.0 updated with Service Pack 4 or higher (for Windows NT, Service Pack 6 is excluded, but Service Pack 6a or higher is included), plus additional Year 2000 software updates as provided by Microsoft. Administrator privilege is required to install various system updates. To insure that the SAS System can be completely and safely installed, it is strongly recommended that the installer have administrator privilege.

Windows:

Release 8.2 (TS2M0) of the SAS System is supported on Microsoft Windows 95, Microsoft Windows 98, and Microsoft Windows Me operating systems. Windows 95 must be updated with additional Year 2000 software updates as provided by Microsoft. Windows 98 must be updated *with* Service Pack 1 or *to* Windows 98, Second Edition.

Windows XP (Desktop)

Release 8.2 (TS2M0) of the SAS System is compatible with Windows XP at the release date (10/25/01). Windows XP Professional is the most full-featured edition of the Windows XP desktop family and provides higher levels of performance, productivity, and security. Release 8.2 (TS2M0) of the SAS System only supports the 32-bit version of Windows XP.

Hardware Requirements

Machines Supported

Intel or Intel-compatible Pentium class processor (minimum required)

Floating Point Unit or Math Coprocessor:

A floating point unit or math coprocessor is assumed to be present in the PC. The SAS System is optimized for its presence. Microsoft Windows provides floating point emulation software with decreased performance in the absence of a floating point unit or math coprocessor.

APPENDIX A (cont'd)

Memory Requirements

Windows, Windows NT, and Windows 2000 Professional and Windows XP:

- 64 MB minimum or more for improved performance
- 64 MB minimum of swapfile space

Monitors Supported

- XGA
- SVGA

Note: It is recommended that screen resolution be at least 800x600.

Space Requirements

The following list contains space requirements in MB for all of the products available with this release of the SAS System for Windows, Windows NT, and Windows 2000. Use this information to help you determine how much free disk space you must have available before you can install the SAS System. Disk space requirements will vary depending upon the blocking factor and compression algorithms that are in use on the installation disk drive. Product disk space values were determined with the HTMLHelp System in use.

Software Product Disk Space (in MB)

Base SAS Software	0.5
Base SAS Shared Components1	13.0
Core of the SAS System (required)	144.0
SAS/ACCESS Interface to Baan Software	0.6
SAS/ACCESS Interface to DB2 Software	0.4
SAS/ACCESS Interface to ODBC Software	0.4
SAS/ACCESS Interface to OLE DB Software	0.3
SAS/ACCESS Interface to ORACLE Software	0.5
SAS/ACCESS Interface to PC File Formats Software	1.2
SAS/ACCESS Interface to PeopleSoft Software	0.5
SAS/ACCESS Interface to R/3 Software	14.0
SAS/ACCESS Interface to SAP BW Software	1.8
SAS/ACCESS Interface to SYBASE Software	0.5
SAS/ACCESS Interface to Teradata Software	0.4
SAS/AF Software	4.0
SAS/ASSIST Software	17.0
SAS/CONNECT Software	2.1
SAS Data Quality – Cleanse	5.6
SAS/EIS Software	26.0
SAS/ETS Software	20.0
SAS/FSP Software	0.5
SAS/GIS Software	52.0
SAS/GRAPH Software	29.0

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SAS/GRAPH Shared Components1	5.0
SAS/IML Software	5.0
SAS/INSIGHT Software	10.0
SAS Integration Technologies Software	8.5
SAS/IntrNet Software	3.5
SAS/LAB Software	6.0
SAS/MDDDB Server Software	12.0
SAS OnlineTutor Software	57.0
SAS/OR Software	28.0
SAS/QC Software	22.0
SAS/SHARE Software	35.0
SAS/STAT Software	29.0
SAS/TOOLKIT Software	8.0
Simple HTML Help	110.0
Total (approx.):	675 MB

APPENDIX B

SAS CD Sets Available to CDC Grantees

1. SAS Version 8.2 Standard Products (8 CDs):

Base SAS	SAS/ETS
SAS/ASSIST	SAS/OR
SAS/GRAPH	SAS/QC
SAS/TOOLKIT	SAS/GIS
SAS/CONNECT	SAS/IntrNet
SAS/SHARE	SAS/MDDDB
SAS/ACCESS - all	SAS/FSP
SAS/IML	SAS/AF
SAS/STAT	SAS/EIS
SAS/INSIGHT	SAS/Online Tutor
SAS Data Quality- Cleanse	Integration Technologies
SAS/LAB	

2. JMP – 4.0.5 (1 CD)
3. STATVIEW – 5.0.1 (1 CD)
4. Enterprise Reporter 2.5; Service Pack 2 (2 CDs)
5. Enterprise Guide – 1.3 (1 CD)
6. SAS/Warehouse Administrator – 2.2 (4 CDs)
7. SAS Scalable Performance Data Server – 3.0 (1 CD)
8. Integration Technologies (1 CD)
- 9 SAS/GIS Census Tract Maps - for SAS/GIS users only (1 CD)
- 10 SAS/AppDev Studio – 2.0; 2.0.1 Update (2 CDs)
- 11 Blue Fusion Base and Match – 4.0
- 12 Blue Fusion Verify – 4.0
- 13 DataFlux Power Base – 4.2
- 14 DataFlux Power Match – 4.2
- 15 DataFlux Power Verify – 4.2
- 16 SAS Version 8.2 Standards Products (see #1 above) – Server Version