System Requirements

SAS Profitability Management 1.2

This document provides the requirements for installing and running SAS Profitability Management software. You must update your computer to meet these minimum requirements before running SAS Profitability Management. The major requirements listed in the document are

- Hardware Requirements
- Software Requirements

For additional information, contact SAS Institute Technical Support. Sites in the U.S. and Canada may call (919) 677-8008. Other sites should contact their SAS Installation Representative or SAS Support Consultant for the nearest SAS Institute office.

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SAS Profitability Management 1.2 Recommended Server Configurations

The number and size of models and their associated analysis cubes affects all factors of hardware-related performance. The applicability of a specific server platform is primarily dependent on data volumes. The minimum and preferred hardware platforms are estimations only. The minimum server configuration is required to operate the software and perform relatively small analyses. As data volumes increase, the processing times will increase as well. There may come a point where the server hardware must be upgraded for faster processing.

	Minimum	Preferred
Hardware	This configuration is recommended for small-size transaction tables (up to 10 million transaction rows per period) and up to 10 report viewers. 1) **Unified Server** (Windows): Two 2 GHz or more CPUs, 4 GB RAM, 200 GB of disk space (for models, transaction tables, and cubes)[1]	This configuration is recommended for medium-size transaction tables (up to 100 million transaction rows per period) and up to 50 report viewers.[2] 1) **Web Server** (Windows): Two 2 GHz or more CPUs, 4 GB RAM, 100 GB of disk space 2) **Metadata Server**[3] (Any): Two 2 GHz or more CPUs, 4 GB RAM, 100 GB of disk space 3) **Workspace Server, OLAP Server and Transaction Assignment Server** (Windows or AIX): Four 2 GHz or more CPUs, 8 GB RAM, 800 GB of disk space (preferably with an enhanced hard disk subsystem)[1] 4) *Optional* **Transaction Assignment Server** (Windows or AIX): One 2 GHz or more CPU, 2 GB RAM, 100 GB of disk space

[1] Calculating OLAP fact tables and cubes may require hundreds of gigabytes of additional disk space in some cases. The disk space estimates provided represent typical usage. The actual amount of disk space used by any particular installation will vary based upon the types and number of analyses performed. Please consult your sales executive or technical support for more information.

[2] For larger transaction tables and/or a larger number of report viewers, please consult with SAS Technical Support.

[3] For typical installations, the metadata server will be a shared computer amongst all installed SAS applications. It is not necessary that this server be dedicated to SAS Profitability Management.

Unified Server Software Requirements

	Minimum	Preferred
Operating System	Windows 2000 Server SP3, Windows 2003 Server * Windows 2003 Server Enterprise Edition is required to utilize more than 4 processors	Windows 2003 Server * Windows 2003 Server Enterprise Edition is required to utilize more than 4 processors
SAS Components	use preferred requirement	Web OLAP Viewer for Java 3.1
SAS Servers	use preferred requirement	Base SAS 9.1.3 SP4, SAS Metadata Server 9.1.3 SP4, SAS Workspace Server 9.1.3 SP4, SAS OLAP Server 9.1.3 SP4
Java	use preferred requirement	Java 2 SDK 1.4.2_05 or newer
Java Servlet Container	use preferred requirement	Apache Tomcat 4.1

Web Server Software Requirements

	Minimum	Preferred
Operating System	Windows 2000 Server SP3, Windows 2003 Server * Windows 2003 Server Enterprise Edition is required to utilize more than 4 processors	Windows 2003 Server * Windows 2003 Server Enterprise Edition is required to utilize more than 4 processors
SAS Components	use preferred requirement	Web OLAP Viewer for Java 3.1
Java	use preferred requirement	Java 2 SDK 1.4.2_05 or newer
Web Server	use preferred requirement	Apache Tomcat 4.1

Metadata Server Software Requirements

	Minimum	Preferred
Operating System	use preferred requirement	Any SAS supported operating system
SAS Servers	use preferred requirement	Base SAS 9.1.3 SP4, SAS Metadata Server 9.1.3 SP4
Java	use preferred requirement	JRE 1.4.2_09 (if SAS Management Console is installed)

Workspace Server, OLAP Server and Transaction Assignment Server Software Requirements

Due to the disk-intensive nature of OLAP and Transaction Assignment processing, this computer preferably should have an enhanced hard disk subsystem for greater data throughput.

	Minimum	Preferred
Operating System	Windows 2000 Server SP3, Windows 2003 Server , IBM AIX 5 * Windows 2003 Server Enterprise Edition is required to utilize more than 4 processors	Windows 2003 Server, IBM AIX 5 * Windows 2003 Server Enterprise Edition is required to utilize more than 4 processors
SAS Servers	use preferred requirements	Base SAS 9.1.3 SP4, SAS OLAP Server 9.1.3 SP4, SAS Workspace Server 9.1.3 SP4 SAS/ACCESS engine of choice (if hosting SAS Transaction Assignment Server)

Transaction Assignment Server Software Requirements

The Transaction Assignment Server may optionally be moved to its own host. This is most useful for deployments that prefer a Windows environment for standardized technologies, but have existing IBM AIX servers with enhanced hard disk subsystems for greater data throughput capabilities.

	Minimum	Preferred
Operating System	Windows 2000 Server SP3, Windows 2003 Server , IBM AIX 5 * Windows 2003 Server Enterprise Edition is required to utilize more than 4 processors	Windows 2003 Server, IBM AIX 5 * Windows 2003 Server Enterprise Edition is required to utilize more than 4 processors
SAS Servers	use preferred requirements	Base SAS 9.1.3 SP4 SAS/ACCESS engine of choice

SAS Profitability Management 1.2 Recommended Client Configurations

	Minimum	Preferred
Processor	2.0 GHz	3.0 GHz
Memory	1 GB	2 GB
Hard Disk	use preferred requirement	4 GB available disk space / with 2 GB available on System drive
Screen Resolution	1024x768 pixels screen area and High Color (16-bit) display	1280 × 1024 pixels screen area and True-Color 32-bit) display.

Software Requirements

	Minimum	**Preferred**
Operating System	Windows 2000 Professional SP3, Windows XP Professional SP2	Windows XP Professional SP2
Web Browser	Microsoft Internet Explorer 5.5 SP2	Microsoft Internet Explorer 6.0 SP2
Framework	use preferred requirement	Eclipse RCP 3.2 and Eclipse EPP 3.2
Java	use preferred requirement	JRE 1.4.2_09 or newer

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