System Requirements

SAS® Financial Management 5.2

Overview

Before you install or run the SAS products described in this document, your system must be updated to meet the minimum requirements.

For information about the hardware required for the SAS Financial Management solution, please contact your account team who can work with a variety of SAS resources to determine the hardware configuration required to support your specific needs. The scope of this document does not include any hardware requirements and/or limitations that are associated with installing and running the SAS software.

Server Tier

For information about the file sizes required for the server-tier software, please visit Install Center (http://support.sas.com/installcenter) and refer to the SAS 9.2 Foundation System Requirements document appropriate for the host.

Third-Party Software: MySQL

The following third-party software is needed to complete the installation of the Server Tier:

- MySQL Enterprise 5.0.86
- MySQL Connector/J 5.0.8, commercial version

If MySQL Enterprise is not included in your SAS software order, obtain a copy of the Connector/J jar and MySQL database from your MySQL representative.

Note: *If you are upgrading from SAS Financial Management 5.1, then you do not need to upgrade to MySQL 5.0.86.*

SAS Financial Management Server Software

Hosts

- Microsoft Windows and Microsoft Windows for x64
- Linux for x64
- Solaris
- IBM AIX

Hardware Supported

- Windows - Intel/AMD x86 and x64
- Linux - Intel/AMD x64
- Solaris – Sparc
- IBM - 64-Bit Power CPUs or RS64 architectures

Operating Systems

- Windows Server 2003, Enterprise Edition
- Windows Server 2008, Enterprise Edition
- Windows Server 2003, Standard x64 Edition, Service Pack 2
- Windows Server 2008, Standard x64 Edition, R2
- Windows Server 2003, Enterprise x64 Edition
- Red Hat Enterprise Linux 5.4 and above
- Solaris 10
- AIX 6.1

Note: *Microsoft Windows for x64 is the recommended host platform. Microsoft Windows 32-bit is not recommended for large scale environments such as those with over 300 concurrent users.*

The following products are included in SAS Financial Management Server. Unless explicitly licensed, use of this software is limited to SAS Financial Management Server.

- SAS Financial Management Server software
- Base SAS software
- SAS Integration Technologies software
- SAS Metadata Bridges, three of choice
- SAS OLAP Server software
- SAS Operation Planning software
- SAS Solutions Services Data Server software
- SAS Strategy Management Enterprise software
- SAS Table Server software
- SAS/ACCESS engine of choice
- SAS/ACCESS Interface to MySQL software
- SAS/ACCESS Interface to PC Files software
- SAS/CONNECT software
- SAS/GRAPH software
- SAS/SHARE software

In addition, SAS Financial Management Server has vertical products that are not included with SAS Foundation. For information about each product's specific requirements, please see its System Requirements document available from Install Center (http://support.sas.com/idsearch?ct=200000).

- SAS Financial Management Data-Tier
- SAS Metadata Bridges
- SAS Operational Planning for Financial Management Data-Tier
- SAS Solutions Services Data-Tier
- SAS Strategy Management Data-Tier

Mid-Tier

Third-Party Software

The following third-party software is needed to complete the installation of the mid-tier. For information about the required versions, please see the Third Party Software Reference website at http://support.sas.com/resources/thirdpartysupport/index.html or refer to the pre-installation checklist described in the *QuickStart Guide* included with your software order.

Application Servers

Oracle WebLogic 10g Release 3 (10.3.0)

SAS Financial Management requires an Oracle WebLogic 10.3.0 application server.

This software can be purchased either from SAS or directly from Oracle. SAS Performance Management Solutions require this specific version of WebLogic. Other versions of Oracle WebLogic are not supported. Please contact SAS Technical Support with questions.

Note: *These solutions do not support WebLogic and Windows Server 2008, Standard x64 Edition, R2.*

IBM WebSphere Application Server Network Deployment

SAS Financial Management requires an IBM WebSphere Network Deployment Release 6.1.0.21 or Network Deployment Version 7.0.0.9 application server. Consult the third party page for more information:
http://support.sas.com/resources/thirdpartysupport/v92m3/appservers/webspheresw.html

This software can be purchased either from SAS or directly from IBM. SAS Performance Management Solutions require Network Deployment and these specific versions of WebSphere.

Java Development Kit

For more information on JDK requirements, please visit this Web page:
http://support.sas.com/resources/thirdpartysupport/v92/jdks.html

WebLogic: Java 6 with the required update should be obtained from the support.sas.com site referenced above or from the Sun Microsystems, Inc. support site.

Application Server and Operating System Combinations

The following table explains what versions of WebLogic and WebSphere are supported to each operating system. Both 32 and 64-bit Windows Server operating systems are supported, however 64-bit operating systems are hightly recommended to provide the ability to address a significantly greater memory space that allows for larger models and data volumes.

Server			
Hardware	OS	App Server	Database
Intel/AMD x86	Windows Server 2003	WebLogic 10.3.0	MySQL 5.0.86
	Windows Server 2008R1	WebLogic 10.3.0	
Intel/AMD x64	Windows Server 2003	WebLogic 10.3.0 WebSphere 6.1.0.21 WebSphere 7.0.0.9	
	Windows Server 2008R1	WebLogic 10.3.0 WebSphere 6.1.0.21 WebSphere 7.0.0.9	
	Windows Server 2008R2	WebSphere 6.1.0.21 WebSphere 7.0.0.9	
	Red Hat Enterprise Linux 5.4 and above	WebSphere 6.1.0.21 WebSphere 7.0.0.9	
Sun SPARC	Solaris 10	WebLogic 10.3.0 WebSphere 6.1.0.21 WebSphere 7.0.0.9	
IBM	AIX 6.1	WebSphere 6.1.0.21 WebSphere 7.0.0.9	

SAS Financial Management Mid-Tier

Hosts

- Microsoft Windows and Microsoft Windows for x64
- Linux for x64
- Solaris
- IBM AIX

Hardware Supported

- Windows - Intel/AMD x86 and x64
- Linux – Intel/AMD x64
- Solaris – Sparc
- IBM - 64-Bit Power CPUs or RS64 architectures

Operating Systems

- Windows Server 2003, Enterprise Edition
- Windows Server 2008, Enterprise Edition
- Windows Server 2003, Standard x64 Edition, Service Pack 2
- Windows Server 2008, Standard x64 Edition, R2
- Windows Server 2003, Enterprise x64 Edition

- Red Hat Enterprise Linux 5.4 and above

- Solaris 10
- AIX 6.1

The following products are included with this solution and should be installed on the mid-tier. For information about each product's specific requirements, please see its System Requirements document available from Install Center (`http://support.sas.com/idsearch?ct=200000`).

- SAS Financial Management Mid-Tier
- SAS Financial Management Web Data Entry
- SAS BI Dashboard
- SAS BI Portlets
- SAS Information Delivery Portal Web Application
- SAS OLAP Data and Compute Server Mid-Tier for Solutions
- SAS Solutions Services Mid-Tier
- SAS Strategic Performance Management Mid-Tier
- SAS Web OLAP Viewer for Java
- SAS Web Report Studio

SAS OLAP Data and Compute Server Mid-Tier (Secondary Server)

Third-Party Software

The following third-party software is needed to complete the installation of the mid-tier. For information about the required versions, please see the Third Party Software Reference website at `http://support.sas.com/resources/thirdpartysupport/index.html` or refer to the pre-installation checklist described in the *QuickStart Guide* included with your software order.

Application Server

Oracle WebLogic 10g Release 3 (10.3.0)

SAS Financial Management requires an Oracle WebLogic 10.3.0 application server.

This software can be purchased either from SAS or directly from Oracle. SAS Performance Management Solutions require this specific version of WebLogic. Other versions of Oracle WebLogic are not supported. Please contact SAS Technical Support with questions.

Note: *These solutions do not support WebLogic and Windows Server 2008, Standard x64 Edition, R2.*

IBM WebSphere Application Server Network Deployment

SAS Financial Management requires an IBM WebSphere Network Deployment Release 6.1.0.21 or Version 7.0.0.9 application server. Consult the third party page for more information:
http://support.sas.com/resources/thirdpartysupport/v92m3/appservers/webspheresw.html

This software can be purchased either from SAS or directly from IBM. SAS Performance Management Solutions require this specific version of WebSphere.

Java Development Kit

For more information on JDK requirements, please see:
http://support.sas.com/resources/thirdpartysupport/v92/jdks.html

WebLogic: Java 6 with the required update should be obtained from the `support.sas.com` site referenced above or from the Sun Microsystems, Inc support site.

SAS OLAP Data and Computer Server Mid-Tier (Secondary Server)

Hosts
- Microsoft Windows and Microsoft Windows for x64
- Linux for x64
- Solaris
- IBM AIX

Hardware Supported
- Windows - Intel/AMD x86 and x64
- Linux - Intel/AMD x64
- Solaris – Sparc
- IBM - 64-Bit Power CPUs or RS64 architectures

Operating Systems
- Windows Server 2003, Enterprise Edition
- Windows Server 2008, Enterprise Edition
- Windows Server 2003, Standard x64 Edition, Service Pack 2
- Windows Server 2008, Standard x64 Edition, R2
- Windows Server 2003, Enterprise x64 Edition

- Red Hat Enterprise Linux 5.4 and above
- Solaris 10
- AIX 6.1

The following products are included with this solution and should be installed on the mid-tier. For information about each product's specific requirements, please see its System Requirements document available from Install Center (http://support.sas.com/idsearch?ct=200000).

- SAS Financial Management Web Data Entry
- SAS OLAP Data and Compute Server Mid-Tier for Solutions

SAS Operational Planning Data Tier

Third-Party Software

The following third-party software is needed to complete the installation of the SAS Operational Planning Data Tier:

MySQL

- MySQL Enterprise 5.0.86
- MySQL Connector/J 5.0.8, commercial version

If MySQL Enterprise is not included in your SAS software order, obtain a copy of the Connector/J jar and MySQL database from your MySQL representative.

Note: *If you are upgrading from SAS Financial Management 5.1, then you do not need to upgrade to MySQL 5.0.86.*

SAS Operational Planning Data Tier

Hosts

- Microsoft Windows and Microsoft Windows for x64
- Linux for x64
- Solaris
- IBM AIX

Hardware Supported

- Windows - Intel/AMD x86 and x64
- Linux – Intel/AMD x64
- Solaris – Sparc
- IBM - 64-Bit Power CPUs or RS64 architectures

Operating Systems

- Windows Server 2003, Enterprise Edition
- Windows Server 2008, Enterprise Edition

- Windows Server 2003, Standard x64 Edition, Service Pack 2
- Windows Server 2008, Standard x64 Edition, R2
- Windows Server 2003, Enterprise x64 Edition
- Red Hat Enterprise Linux 5.4 and above
- Solaris 10
- AIX 6.1

The following products are included with this solution and should be installed on the SAS Operational Planning data tier. For information about each product's specific requirements, please see its System Requirements document available from Install Center (http://support.sas.com/idsearch?ct=200000).

- SAS Metadata Bridges
- SAS Operational Planning for Financial Management Data-Tier

Client Tier

SAS Financial Management is a combination of a rich client, Excel Add-in on the client tier, and a Web application on the mid-tier. A Web browser may also be used on the client tier to view the Web application.

SAS 9.2 servers run on the data tier to provide metadata, data, and compute services. Advanced functionality is provided by a rich client on the client tier that is used to access additional functionality that runs on the Web and back tier to provide metadata, data, and compute services.

Operating System and Hardware Requirements for Clients

Hosts

- Microsoft Windows
- Microsoft Windows for x64

Hardware Supported

- Intel/AMD x86 and x64
- 1.8Ghz processor or faster
- 500MB RAM of available Physical Memory above what is normally utilized by applications such as e-mail, MS Office and Web browsers.

Windows Operating Systems

- Microsoft Windows XP updated with Service Pack 2 or later (both 32-bit and 64-bit versions)
- Microsoft Windows Vista - Business, Enterprise, and Ultimate Editions (both 32-bit and 64-bit versions)
- Microsoft Windows 7 (both 32-bit and 64-bit versions)

Product Requirements for Office Clients

- Microsoft Office 2003
- Microsoft Office 2007
- Microsoft Office 2010

Product Requirements for Web Clients

Web Browsers and Java Runtime Environment

Java Runtime supported:

- Windows XP and Windows Vista: JRE 5 Update 12 or JRE 6 Update 14 (Sun)
- Windows 7: JRE 6 Update 14 (Sun)

For more information, see
`http://supportexp.unx.sas.com/resources/thirdpartysupport/v92m3/jres.html`.

A Web browser with cookies and JavaScript enabled is required. The supported browsers are:

- Microsoft Internet Explorer, Version 7
- Microsoft Internet Explorer, Version 8

Client Products

The following products are included with this solution and should be installed on the client tier. For information about each product's specific requirements, please see its System Requirements document available from Install Center (`http://support.sas.com/idsearch?ct=200000`).

- SAS Financial Management Studio
- SAS Financial Management Add-In for Microsoft Office
- SAS Add-In for Microsoft Office
- SAS Data Integration Studio
- SAS Enterprise Guide
- SAS ESRI Map Manager Plug-in for SAS Management Console
- SAS Information Map Studio
- SAS Management Console
- SAS Metadata Bridges for General Industry Standards
- SAS OLAP Cube Studio
- SAS OLAP Server Monitor
- SAS Solutions Dimension Editor
- SAS Solutions Services Add-in for Microsoft Office
- SAS Solutions SMC Plug-ins
- SAS Table Server Plug-ins for SAS Management Console

SAS AppDev Studio™

Please see the SAS AppDev Studio system requirements for the latest information about its requirements.