

System Requirements

SAS[®] Human Capital Management 5.2

Overview

You must update your system to meet the minimum requirements before you install or run these SAS products.

For information about the hardware required for the SAS Human Capital 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 Human Capital Management 5.1, then you do not need to upgrade to MySQL 5.0.86.

SAS Human Capital Management Server Software

Hosts

- Microsoft Windows and Microsoft Windows for x32 and 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 Human Capital Management Server. Unless explicitly licensed, use of this software is limited to SAS Human Capital Management Server.

- SAS Human Capital Management Server software
- Base SAS software
- SAS High-Performance Forecasting
- SAS Integration Technologies software
- SAS Metadata Bridges, three of choice
- SAS OLAP Server 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/ETS software
- SAS/GRAPH software
- SAS/OR Mathematical Programming Common Components software
- SAS/SHARE software
- SAS/STAT software

In addition, SAS Human Capital 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 Human Capital Management Data-Tier
- SAS Metadata Bridges
- 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 Web site 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)

SAS Human Capital Management requires an Oracle WebLogic 10.3.0 application server.

This software can either be purchased 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 Human Capital 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 either be purchased from SAS or directly from IBM. SAS Performance Management Solutions require Network Deployment and this specific version 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 highly recommended to provide the ability to address a significantly greater memory space that allows for larger models and data volumes.

<i>Server</i>			
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 Human Capital Management Mid-Tier

Hosts

- Microsoft Windows and Microsoft Windows for x32 and 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 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 Human Capital Management Mid-Tier
- SAS Strategy Management Mid-Tier
- SAS BI Dashboard
- SAS BI Portlets
- SAS Information Delivery Portal Web Application
- SAS Solutions Services Mid-Tier
- SAS Web OLAP Viewer for Java
- SAS Web Report Studio

Client Tier

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 email, 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. These are the supported browsers:

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

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 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 Table Server Plug-ins for SAS Management Console

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SAS AppDev Studio™

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