

System Requirements

SAS[®] Web Analytics 5.4

This document provides minimum requirements for installing and running Web Analytics software. You must update your system to meet the minimum requirements before running SAS Web Analytics software. The Version of the SAS System required for Web Analytics 5.4 is SAS 9.2 M3.

The major requirements listed in the document are

- software requirements
- hardware requirements

This document may be periodically updated. To see the latest version of this document, go to Install Center (<http://support.sas.com/installcenter>) .

System Requirements by Tier

SAS Web Analytics 5.4 is a multi-tier application consisting of client tier, mid-tier and a server tier.

Client Applications

The SAS Web Analytics 5.4 client tier includes the following client applications. They may be all installed on the same machine or on separate client machines. Please note that the Web Analytics 'User Client' (potentially many users) requires only a web browser and Adobe Flash as listed below. The remaining applications below may be installed the User Client, or may be installed on a separate 'Admin Client' (likely few users). For information about each product's specific requirements, please see its System Requirements document available from Install Center (<http://support.sas.com/installcenter>).

- SAS Add-in for Microsoft Office 4.3
- SAS Data Surveyor for Clickstream Data Plug-ins 2.2
- SAS Data Integration Studio 4.3
- SAS Enterprise Guide 4.3
- SAS Information Map Studio 4.3
- SAS Management Console 9.2 M3
 - SAS OLAP Server Monitor for SAS Management Console
 - SAS ESRI Map Manager Plug-in for SAS Management Console
 - SAS BI Lineage Plug-in for SAS Management Console
- SAS OLAP Cube Studio 4.3
- SAS OLAP Server Monitor 4.3

Supported operating systems are as follows (Contact Tech Support for patch levels):

- Windows XP 32-bit
- Windows XP 64-bit
- Windows Vista 32-bit
- Windows Vista 64-bit

- Windows 7 64-bit

Note: Windows is supported in the 64-bit editions in 32-bit mode.

Web Browser

SAS Web Analytics requires the use of a web browser and supports the following versions:

- Internet Explorer 7 and 8
- Firefox 3.5.x and 3.6x

SAS Web Analytics also requires Adobe Flash, version 10 or later, to be installed on user clients.

Mid-Tier

The SAS Web Analytics Application Server is a Java application that requires a Java application server.

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/installcenter>).

- SAS Web Analytics Mid-Tier 5.4
- SAS BI Dashboard 4.3
- SAS BI Portlets 4.3
- SAS Data Surveyor for Clickstream Data Mid-Tier 2.2
- SAS Information Delivery Portal 4.3
- SAS Web Parts for Microsoft SharePoint 4.3
- SAS Web Report Studio 4.3

Supported operating systems are as follows:

Note: Windows is only supported on the 64-bit editions.

- AIX, Release 5.3
- AIX, Release 6.1
- HP-UX 11i version 2, operating system release identifier B.11.23 for PA-RISC
- HP-UX 11i version 2, operating system release identifier B.11.23/ B.11.31 for HP-UX Itanium
- Linux for x64
 - Red Hat Enterprise Linux (RHEL) version 5
 - Novell SuSE SLES 11
- Solaris 10 for SPARC architecture
- Solaris 10 x64 (x64-86)
- Windows Server 2003 for 64-bit with Service Pack 2 or higher
- Windows 2008 Server for 64-bit editions with Service Pack 2 or higher
- Windows 2008 Server R2 for 64-bit editions

For specifics on patch levels, please contact SAS Technical Support.

The relevant Java Developer Kit (JDK) will be required as follows is described on the SAS 9.2 Support for Java Development Kits Web site, located at

<http://support.sas.com/resources/thirdpartysupport/v92/jdks.html>.

Product Requirements

SAS Web Analytics has the following Java application server software requirements:

Operating Systems/App Servers	Jboss Application Server	Oracle WebLogic	IBM WebSphere
Windows Server	✓	✓	✓
Linux	✓	✗	✓
Solaris 10	✓	✓	✓
AIX	✓	✓	✓
HP-UX	✓	✓	✗

- WebLogic 10.3.x can be used on Windows, Solaris for SPARC architecture, HP, Solaris 10 x64 (x64-86), and AIX. WebLogic is not supported with Linux.
- WebSphere (WAS) 6.1.0.21 ND (Network Deployment) and higher can be used on AIX, Windows, Solaris for SPARC, Solaris 10 x64 (x64-86) and Linux (Redhat Enterprise Linux Version 5). WebSphere is not supported on HP-UX.
- WebSphere (WAS) 7.x ND (Network Deployment) can be used on AIX, Windows, Solaris for SPARC, Solaris 10 x64 (x64-86) and Linux (Redhat Enterprise Linux Version 5). WebSphere is not supported on HP-UX.
- JBoss Enterprise Application Platform Version 4.2 and 4.3 can be used for Linux (Redhat Enterprise Version 5 and Novell SuSE SLES Version 11), Windows 2003 , Windows 2008, Solaris 10 for SPARC, Solaris 10 x86 (x64-86), HP-UX11i version 2, and AIX.
- JBoss Community Edition Version 4.2 can be used for Linux (Redhat Enterprise Version 5 and Novell SuSE SLES Version 11), Windows 2003 , Windows 2008, Solaris 10 for SPARC, Solaris 10 x86 (x64-86), HP-UX11i version 2, and AIX.

Note: Please see the following for conditions regarding support of JBoss community editions:
<http://support.sas.com/resources/thirdpartysupport/jbossSupport.html>.

SAS Server Tier

SAS 9.2 servers provide metadata, data, and compute services. The following applications are required on the SAS Server Tier. For information about the file sizes required for the server-tier software, please refer to the host-appropriate SAS 9.2 Foundation System Requirements document, available from Install Center (<http://support.sas.com/documentation/installcenter>).

- SAS Foundation 9.2 M3, including the SAS Metadata Repository and SAS Web Analytics* Processes
- SAS Management Console 9.2M3

SAS Server Tier Operating System Support

The supported operating systems are as follows:

Note: Windows is only supported on the 64-bit editions.

- AIX, Release 5.3
- AIX, Release 6.1
- HP-UX 11i version 2, operating system release identifier B.11.23 for PA-RISC
- HP-UX 11i version 2, operating system release identifier B.11.23/ B.11.31 for HP-UX Itanium
- Linux for x64
 - Red Hat Enterprise Linux (RHEL) version 5
 - Novell SuSE SLES 11
- Solaris 10 for SPARC architecture
- Solaris 10 x64 (x64-86)
- Windows Server 2003 for 64-bit with Service Pack 2 or higher
- Windows 2008 Server for 64-bit editions with Service Pack 2 or higher
- Windows 2008 Server R2 for 64-bit editions

For specifics on patch levels, please contact SAS Technical Support.

SAS Web Analytics Server

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

- Base SAS software 9.2M3
- SAS Web Analytics 5.4
- SAS Data Surveyor for Clickstream Data Server Components 2.2
- SAS Enterprise Miner Server 6.2
- SAS High-Performance Forecasting 3.1
- SAS Integration Technologies 9.2M3
- SAS OLAP Server 4.3
- SAS/AF
- SAS/CONNECT
- SAS/ETS
- SAS/GIS
- SAS/GRAPH
- SAS Thread Kernel Extensions for Operations Research
- SAS/STAT
- SAS Management Console 9.2M3
- SAS BI Lineage Scheduling Server 4.3
- SAS BI Lineage Plug-in for SAS Management Console

Your SAS Web Analytics package may also include Platform Suite for SAS (formerly known as Platform Job Scheduler and Platform Process Manager).

SAS Metadata Server

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

- Base SAS
- SAS/CONNECT software

Hardware Requirements

Client Application Machine: Minimum Recommended

- Intel or Intel-Compatible processor (minimum 1 GHz recommended)
- **Memory:** 1 gigabyte or more for improved performance
- **Disk Space:**

Component	Installation Space Required
Java Runtime Environment	82 MB
SAS Management Console 9.2	5 MB

Note the above is required for Admin Clients only; User Clients utilize a Web browser and do not require a JRE or SAS Management Console to be installed

Depending on the installed components, Jar files could take up to another 130MB.

Mid-Tier Machine: Minimum Recommended

- **Memory:** The minimum recommended memory for the Web Analytics mid-tier is 8 Gigabytes. Memory requirements for optimal performance may vary based on the requirements of other applications running, number of total and concurrent users accessing the SAS Web Analytics Application Server applications and the amount of content accessed by the user.
- **Disk Space:**

Component	Installation Space Required
SAS Web Analytics Mid-Tier	200 MB
SAS Foundation Services 9.2	100 MB
SAS EBI Foundation	300 MB

This is the amount of disk space that the SAS Web Analytics setup directory requires.

Additional space may also be required for new content and customization.

SAS Server Tier: Minimum Recommended

- Intel or Intel-Compatible processor (minimum 2 GHz recommended) or equivalent (e.g. SPARC/PA-RISC) processor recommended. SAS Web Analytics supports multi-threaded processing.
- **Memory:** 8 gigabyte minimum (16 GB recommended for improved performance)

For memory and disk space requirements please see SAS 9.2 system requirements located at <http://support.sas.com/resources/sysreq/index.html>, under the relevant operating system.

References

SAS Install Center <http://support.sas.com/installcenter/>

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