

System Requirements

SAS[®] Campaign Management 5.4

This document provides requirements for installing and running Campaign Management software. You must update your system to meet the requirements before running SAS Campaign Management software.

The major requirements listed in the document are

- software requirements
- hardware requirements
- database requirements

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

Software Requirements

Client Applications

The SAS Campaign Management 5.4 client tier includes the following client applications. They may be all installed on the same machine or on separate client machines.

- SAS Customer Intelligence Studio 5.4
- SAS Marketing Automation Integration Utilities
- SAS Management Console 9.2
- SAS Information Map Studio 4.3

Your SAS Campaign Management package may also include the following SAS products.

- SAS Enterprise Guide 4.3
- DataFlux DfPower Client

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

- Windows 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.

Citrix Support for Clients

The Citrix XenApp 6 for Windows 2008 R2 is supported for the SAS Customer Intelligence Studio 5.4 client only.

Note: Citrix support is for five or fewer concurrent users.

Mid-Tier Applications

The SAS Campaign Management Application Server is a Java application. The application runs within a Java Application Server.

The following SAS Campaign Management components will be installed on the Mid-tier.

- SAS Customer Intelligence Core Mid-Tier 5.4
- SAS Customer Intelligence Web Components 5.4
- SAS Customer Intelligence Reporting Mid-Tier 5.4
- SAS Foundation Services 9.2

Your SAS Campaign Management package may also include the following SAS products.

- Information Delivery Portal 4.3
- SAS Campaign Web Studio 5.4
- SAS Web Report Studio 4.3

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

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

- Windows Server 2003 with Service Pack 2 or higher
- Windows Server 2008 with Service Pack 2 or higher
- Windows Server 2008 R2
- Solaris 10 for SPARC architecture
- HP-UX 11i version 2, operating system release identifier B.11.23 and B.11.31 for HP-UX Itanium
- AIX, Release 5.3
- AIX, Release 6.1
- Linux (Red Hat Enterprise Version 5)
- Linux (Novell SuSE SLES Version 11)
- Solaris 10 x64 (x64-86)
- The relevant Java Software Developer Kit's (JDK) and the latest information and special instructions can be found in the Third Party Support web site:
<http://support.sas.com/resources/thirdpartysupport/v92m3/jdks.html>

Product Requirements

SAS Campaign Management 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, Windows 2008 R2, 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, Windows 2008 R2, 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 Application Tier

SAS 9.2 servers provide metadata, data, and compute services. The following applications are required on the SAS Application Tier.

- SAS Foundation 9.2 M3, including the SAS Metadata Repository and SAS Marketing Automation Processes
- SAS Marketing Automation Launcher 5.4
- SAS Management Console 9.2

The supported operating systems are as follows (contact Tech Support for patch levels):

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

- Windows 2008 Server for 64-bit editions with Service Pack 2 or higher
- Windows 2008 Server R2 for 64-bit editions
- Windows Server 2003 for 64-bit with Service Pack 2 or higher
- Solaris 10 for SPARC architecture
- 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 and B.11.31 for HP-UX Itanium
- AIX, Release 5.3
- AIX, Release 6.1
- Linux (Redhat Enterprise Linux Version 5)
- Linux (Novell SuSE SLES Version 11)
- Solaris 10 x64 (x64-86)

Web Browser

To use SAS Campaign Web Studio, it will be necessary to have a web browser installed on the client. Internet Explorer Version 7.x, and Version 8 are supported. Firefox 3.6x is supported.

Hardware Requirements

Client Application Machine: Minimum Recommended

- Pentium class processor running at 2GHz or faster
- Memory: 1 GB above your current environment
- SAS Campaign Management Disk Space: SAS Customer Intelligence Studio 350 MB above your current environment

Mid-tier Machine: Minimum Recommended

Memory

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

Disk Space

- SAS Campaign Management Application Server: 300MB above your current environment
- SAS Campaign Management Web Components: 300MB above your current environment
- SAS Customer Intelligence Reporting: 250MB above your current environment

This is the amount of disk space that the SAS Campaign Management Server setup directory requires. Additional space may also be required for new content such as campaigns and reports.

Further information regarding Capacity Planning and WebLogic Server Performance and tuning can be found at:

http://download.oracle.com/docs/cd/E12840_01/wls/docs103/perform/appc_capplan.html

and

http://download.oracle.com/docs/cd/E12840_01/wls/docs103/perform/index.html

SAS Application Tier: Minimum Recommended

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.

Specific Product Requirements

SAS Campaign Management 5.4 can connect to various databases using SAS/ACCESS. The following is the list of versions of databases for which SAS Campaign Management 5.4 is compatible.

- Oracle 10g and 11g
- DB2/UDB Version 9.1 , 9.5, and 9.7
- Teradata Version 12 and Teradata Version 13
- SQL Server Version 2005 Enterprise Edition, SQL Server Version 2008 Enterprise Edition—only through SAS/ACCESS to OLE DB, not ODBC

Note: The OLE DB access engine only runs in a Windows environment, therefore restricting support of SQL server to the Windows platform only.

- Netezza Version 4.6
- SAS Datasets Version 9.2 Maintenance 3
- SAS Scalable Performance Data Server Version 4.52 (no more than 5 million customer records)
- SQL Server Version 2008 Standard Edition (no more than 10 million customer records) only through SAS/ACCESS to OLE DB, not ODBC

Note: The OLE DB access engine only runs in a Windows environment, therefore restricting support of SQL server to the Windows platform only.

Note: Mixing of databases will not perform to an acceptable level and is not recommended.

References

SAS Install Center

<http://support.sas.com/installcenter/>

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