

System Requirements

SAS® Marketing Automation 4.0

This document provides requirements for installing and running Marketing Automation software. You must update your system to meet the minimum requirements before running Marketing Automation software.

The major requirements listed in the document are:

- Software Requirements
- Hardware Requirements
- Specific Product Requirements

For additional information and to view the latest system requirements for your system, access the SAS Institute Web site at:

<http://support.sas.com/documentation/installcenter/admindoc.html>

or 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.

Software Requirements

Administrator Privilege

An installer must have administrator privilege to install various up-dates. This requirement ensures that Marketing Automation 4.0 can be completely and safely installed.

Marketing Automation 4.0 is an application that resides on various platforms.

Client Application

For the Client Application (which consists of SAS Campaign Studio, SAS Management Console, Information Map Studio, Extraction Translation & Loading, Enterprise Miner, Enterprise Guide) supported Operating systems are as follows:

- Windows 2000 with Service Pack 3 or later
- Windows NT 4.0 with Service Pack 6 or later
- Windows XP with Service Pack 1 or later

The Documentation for SAS Marketing Automation 4.0 CD requires Acrobat Reader to be installed.

Mid-Tier Application

The SAS Marketing Automation Mid Tier Application Server is a Java 2 Enterprise Edition (J2EE) application. The application runs within a J2EE Application Server.

For the Mid-tier Application (which consists of SAS Marketing Automation Core, Portal, Campaign Web Studio, SAS Integrated Object Model) supported operating systems are as follows:

- Windows 2000 Server editions and Windows 2000 with Service Pack 3 or later
- Windows NT 4.0 with Service Pack 6 or later

- Windows XP with Service Pack 1 or later
- Windows Server 2003
- 64 Bit Solaris 8 - in addition SAS requires that the J2SE Solaris 8 Recommended Patch Cluster is applied
- 64 Bit HP-UX 11i (11.11) (the following patches must have also been applied: PHKL_26269, PHKL_28025, PHCO_25841, PHCO_29109, PHCO_29495)
- 64 Bit HP-UX Itanium Processor Family 11i (11.22) (the following patch must have also been applied: PHKL_29329)

The relevant Java 2 Software Developer Kit's (J2SDK) will be required as follows:

Operating System	Relevant J2SDK
All Windows	1.4.2_02(sun)
64 Bit Solaris 8	1.4.2_02(sun)
64 Bit HP/UX 11i	1.4.1.05 (HP)

Product Requirements

- SAS Foundation Services Software
- SAS Web Infrastructure Kit

SAS Application Tier

SAS 9.1 servers run on the back tier to provide metadata, data and compute services. For the Server Application (which consists of Information Map Studio, Object Metadata Repository, Marketing Automation Launcher) supported operating systems are as follows:

- Windows 2000 Server editions and Windows 2000 with Service Pack 3 or later
- Windows Server 2003
- Solaris Sun OS 5.8 in addition SAS requires that the J2SE Solaris 8 Recommended Patch Cluster is applied
- HP-UX – Itanium Processor Family – Release 11.i (11.22) with patch PHCO_29329

Product Requirements

- Base SAS Software
- SAS Integrations Technologies Software
- SAS Open Metadata Server Software
- SAS Management Console Software

Additional Functionality may require additional products to be installed

Further information can be found at:

<http://support.sas.com/documentation/installcenter/index.html>

under the relevant operating system

Additional Software

Weblogic 8.1 SP2 is a required software item in order for Marketing Automation to function

Mid Tier Application

Xythos Web Server V 4.0.48 – this is used by the SAS Information Delivery Portal and is included in the Marketing Automation 4.0 Bundle.

For more information please refer to:

http://support.sas.com/rnd/itech/doc9/admin_oma/security/security_accessdav_ex.html

SAS Application Tier

Load Sharing Facility Job Scheduler for SAS V2.0 - SAS Scheduling service platforms use the LSF software which is included in the Marketing Automation 4.0 bundle.

For more information please refer to:

http://support.sas.com/documentation/installcenter/common/91/ts1m2/third_party_media.pdf

Hardware Requirements

Client Application Machine

Minimum Recommended

Intel or Intel-Compatible Pentium II processor

Memory: 256MB or more for improved performance

MA Disk Space: Campaign Studio 31MB

In order to utilize the Campaign Web Studio functionality it will be necessary to have Internet Explorer Version 5.5 (or later) installed

Mid Tier Application Machine

Minimum Recommended

Memory Memory requirements vary based on the requirements of other Web applications running, number of total and concurrent users accessing the SAS Marketing Automation Application Server applications and the amount of content accessed by the user.

MA Disk Space: Marketing Automation Web Components 37MB

Marketing Automation Application Server 30MB

This is the amount of disk space that the SAS Marketing Automation Server set up directory requires. Additional space may also be required for new content and customization.

In order to utilize the Campaign Web Studio functionality the SAS Information Delivery Portal Version 2.0 will be required.

Optional additional software on the Mid Tier Application Machine includes:

Enterprise Miner

Web Report Studio

Web Report Viewer

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

<http://edocs.bea.com/wls/docs81/capplan/capfact.html#1009720>

and

<http://edocs.bea.com/wls/docs81/perform/index.html>

SAS Application Tier

Minimum Recommended

Memory : For memory requirements please see SAS 9.1 System requirements these can be located at: <http://support.sas.com/documentation/installcenter/index.html> under the relevant operating system

Disk Space : For disk space requirements please see SAS 9.1 System requirements these can be located at: <http://support.sas.com/documentation/installcenter/index.html> under the relevant operating system

Specific Product Requirements

Marketing Automation 4.0 can connect to various databases using SAS Access. The following is the list of databases that Marketing Automation 4.0 is compatible with.

- SAS Version 9.1
- SPDS Version 4.1
- SQL Server Version 2000
- Oracle Version 9i
- DB2/MVS Version 7.1
- DB2/UDB Version 7.1
- Teradata Version 2 Release 4

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