System Requirements

SAS® OpRisk Monitor 4.1

Overview

This document provides minimum requirements for installing and running SAS OpRisk Monitor 4.1 software, which includes Administrative Tools, a Web Application, and Reporting. SAS OpRisk Monitor 4.1 requires SAS 9.2.

The major requirements listed in this document include:

- software requirements
- hardware requirements
- database requirements

The information in this document is current as of the release date of SAS OpRisk Monitor 4.1. For additional information and to view the latest system requirements for your system, access the following SAS Institute Web site:

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

Software Requirements

Client-Tier Requirements

SAS OpRisk Monitor 4.1 supports the following Web browsers:

- Internet Explorer
- Firefox

For information about the supported operating systems and minimum version requirements of Web browser software for SAS 9.2, see the “References” section at the end of this document.

Mid-Tier Requirements

SAS OpRisk Monitor 4.1 supports the following application servers:

- BEA WebLogic Server
- IBM WebSphere Application Server
- JBoss Application Server
SAS OpRisk Monitor 4.1 supports the following operating systems:

- Microsoft Windows
- Microsoft Windows for x64
- Solaris
- Linux for x64
- AIX
- HP-UX for the Itanium Processor Family Architecture

Version numbers as well operating system specific details are available in the SAS 9.2 system requirements. See the “References” section at the end of this document.

**SAS Application Tier Requirements**

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

- SAS Foundation 9.2
- Base SAS
- SAS/ACCESS engine of choice (Oracle, DB/2 or ODBC)
- SAS/GRAPH
- SAS OpRisk Monitor Server

SAS OpRisk Monitor 4.1 supports the following operating systems:

- Microsoft Windows
- Microsoft Windows for x64
- Solaris
- Linux for x64
- AIX
- HP-UX for the Itanium Processor Family Architecture

Operating system version numbers are available in the SAS 9.2 system requirements. See the “References” section at the end of this document.

**Hardware Requirements**

**Basic Installation Requirements**

<table>
<thead>
<tr>
<th>Product</th>
<th>Installation Space Required</th>
</tr>
</thead>
<tbody>
<tr>
<td>SAS OpRisk Monitor Server</td>
<td>20 MB</td>
</tr>
<tr>
<td>SAS OpRisk Monitor Administrative Tools</td>
<td>20 MB</td>
</tr>
<tr>
<td>SAS OpRisk Monitor Web Components</td>
<td>225 MB</td>
</tr>
</tbody>
</table>
Mid-Tier Requirements

Memory
The minimum recommended memory for the SAS OpRisk Monitor 4.1 Mid-Tier is 4 Gigabytes.

Database Requirements
SAS OpRisk Monitor supports the following versions of Oracle, DB/2 and PostgreSQL.

- Oracle 9 and 10
  SAS OpRisk Monitor uses the ojdbc14.jar file. You can download a copy of the Oracle driver from
  Select either the latest Oracle 9.2.x or 10.2.x driver. The JDBC driver version must match the
  database version. For example, do not use a 9.x driver with a version 10 database.

- DB/2 9
  SAS OpRisk Monitor requires the db2jcc.jar and db2jcc_license_cu.jar files. For example, a Windows installation of DB/2 stores the .jar files in
  C:\Program Files\IBM\SQLLIB\java by default.

- PostgreSQL 8.2.9
  Note: PostgreSQL is not supported on Windows (64-bit x86-64).
  SAS OpRisk Monitor uses the postgresql-8.3-604.jdbc3.jar PostgreSQL driver. It is
  located in the jdbc subdirectory of your PostgreSQL installation.
  This is a newer version of PostgreSQL than the version supported by the last release of SAS
  OpRisk Monitor so you may need to upgrade your version of PostgreSQL. If you need to
  upgrade to the more recent version, please see the directions provided at

Additional information about third-party products is available at
For SAS's policy on supporting updates to third party products, see the SAS Third Party Software
Requirements – Baseline and Higher Support document.

References
SAS Technical Support Install Center
http://support.sas.com/techsup

Third Party Software Requirements
http://support.sas.com/resources/thirdpartysupport/index.html