

**Gentran Integration Suite™**

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**System Requirements**

**Version 4.2**



# Gentran Integration Suite 4.2 System Requirements

When using these system requirements, make sure that you also have the preinstallation checklist for your platform (Windows, UNIX/Linux, iSeries). Checking system requirements is one item on these checklists. These checklists are available on the Gentran Integration Suite documentation Web site as part of the installation guide and as stand-alone documents.

System requirements for Gentran Integration Suite vary with your business needs and system environment. Contact your Gentran Integration Suite sales representative to help you evaluate performance and system usage requirements. Contributing factors include (but are not limited to) the following:

- Number of transactions processed.
- Amount of data being transferred.
- Whether you run Gentran Integration Suite with or without perimeter servers.
- Whether your environment is clustered or non-clustered.

The following sections list the platforms and databases that are supported by Gentran Integration Suite 4.2:

- [Platforms](#)
- [Databases](#) on page 6

The following sections list minimum system requirements, and other information, needed to install and run Gentran Integration Suite on particular platforms:

- [UNIX/Linux Requirements](#) on page 7
- [Windows Requirements](#) on page 11
- [iSeries Requirements](#) on page 13

The following sections list additional information that is needed to install and run Gentran Integration Suite:

- [Required Daylight Savings Time \(DST\) Update](#) on page 16
- [JDBC Driver Requirements \(All Databases\)](#) on page 17
- [Perimeter Server Requirements \(UNIX/Linux and Windows\)](#) on page 18
- [Download the Red Hat JVM](#) on page 19

For information on the history of changes for the *System Requirements*, refer to the topic [Change History](#) on page 21.

Previous versions of Gentran Integration Suite were bundled with the JBoss™ application server and supported integration with WebLogic® and WebSphere® application servers. Starting with version 4.0, Gentran Integration Suite runs independent of an application server and no longer includes JBoss. However, Gentran Integration Suite still supports integration with JBoss, WebLogic, and WebSphere. After you upgrade to Gentran Integration Suite 4.2, you can restore integration with your application server if desired. To do so, use the EJB adapter.

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**Note:** Sterling Commerce does not provide customer support for problems related to virtual server environments like VMware®.

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# Platforms

Gentran Integration Suite supports the UNIX/Linux, Windows, and iSeries platforms. This topic covers the following supported platform versions:

- UNIX/Linux
- Windows
- iSeries

## UNIX/Linux

Gentran Integration Suite supports the following UNIX/Linux platforms:

- HP-UX 11.11
- HP-UX 11i (11.23)
- HP-UX 11.23 for IA64 (Itanium)
- IBM AIX 5.2
- IBM AIX 5.3
- Sun Solaris 8 (SPARC only)
- Sun Solaris 9 (SPARC only)
- Sun Solaris 10 (SPARC only)
- Red Hat Enterprise Linux Release 3 (AS or ES) (x64/x86 32-bit kernel only)
- Red Hat Enterprise Linux Release 4 (AS or ES) (x64/x86 32-bit kernel only)
- SUSE Linux Enterprise Server 9 (x64/x86 32-bit kernel only)

## Windows

Gentran Integration Suite supports the following Microsoft Windows platforms:

- Windows Server 2000 SP4
- Windows Server 2003 Standard Edition (R1 or R2) SP1 32-bit
- Windows Server 2003 Standard Edition (R1 or R2) SP2 32-bit
- Windows Server 2003 Enterprise Edition (R1 or R2) SP1 32-bit
- Windows Server 2003 Enterprise Edition (R1 or R2) SP2 32-bit

## iSeries

Gentran Integration Suite supports the following IBM iSeries platforms:

- OS/400 V5R2
- OS/400 V5R3

- i5/OS V5R4

# Databases

Gentran Integration Suite supports the following database versions:

Oracle	Oracle Database 9i Standard and Enterprise Editions, Release 2 (9.2.0.7 non-RAC through version 9.2.x.x)
	Oracle Database 10g Standard and Enterprise Editions, Release 1 (10.1.0.4 non-RAC)
	<b>Notes:</b> <ul style="list-style-type: none"><li>• Support for Oracle databases does not include support for the Oracle Exadata platform.</li><li>• RAC refers to Real Application Clusters. For more information about real application clusters, refer to Oracle documentation.</li></ul>
MySQL	MySQL 4.0.18 (bundled) (4.0.18 only)
DB2	DB2 (iSeries)
	DB2 8.1 Fixpack 10 (UNIX, Linux)
	DB2 8.2.3 through version 8.x.x (UNIX, Linux)
MS SQL Server	SQL Server 2000 SP4 Enterprise & Standard (SP4 only)
	SQL Server 2005 (Requires Gentran Integration Suite, Release 4.2 Build 4209 or later)

# UNIX/Linux Requirements

This topic covers the minimum system requirements and other information, needed to install and run Gentran Integration Suite on a UNIX/Linux platform:

- [UNIX/Linux Host System](#) on page 7
- [UNIX/Linux JDK Requirements](#) on page 8

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## UNIX/Linux Host System

This topic covers the UNIX/Linux host system requirements. At a minimum, the UNIX/Linux host system requires:

- 2 GB RAM
- 5 GB free disk space
- File descriptor size of 2048 or greater (preferred setting is unlimited)
- Additional resources are needed if you are:
  - Using MySQL database – An additional 1 GB RAM and an additional 2 GB free disk space.
  - Using other databases – Refer to the documentation you received with the database server to determine the minimum system requirements.

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**Note:** You can use a MySQL 4.0.18 database server with Gentran Integration Suite. This database is bundled with Gentran Integration Suite. Choosing this database during the installation procedure creates and configures it for you. MySQL is installed locally on the same server as Gentran Integration Suite and cannot be installed on a separate server.

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- When using the Solaris server, Gentran Integration Suite runs only on SPARC-based Solaris servers. Gentran Integration Suite does not run on x86 (Intel)-based Solaris servers.
- When using the Red Hat or SUSE Linux server, Gentran Integration Suite runs only on x64/x86-based Linux servers.
- File system space will be needed if you use the option to store documents on the file system or if you use MySQL as your database. The amount of space needed will vary depending on the size of documents to be stored and the length of time you choose to retain documents on the file system.
- For perimeter server requirements, refer to the topic [Perimeter Server Requirements \(UNIX/Linux and Windows\)](#) on page 18.
- JDK and database requirements depend on whether your Gentran Integration Suite installation is non-clustered or clustered.

- Download all JDK versions from <http://java.sun.com/products/archive>.
- Download patches for Solaris 8 (J2SE\_Solaris\_8\_Recommended.zip), Solaris 9 (J2SE\_Solaris\_9\_Recommended.zip), and Solaris 10 (J2SE\_Solaris\_10\_Recommended.zip) from <http://sunsolve.sun.com/pub-cgi/show.pl?target=patches/JavaSE>.
- Download the HPjconfig tool for HP-UX systems from <http://www.hp.com/products1/unix/java/java2/hpjconfig/index.html>.

## UNIX/Linux JDK Requirements

This topic covers the JDK requirements for installing Gentran Integration Suite on UNIX/Linux platform. The following table lists UNIX/Linux JDK requirements:

**Note:** Operating system-native virtualization solutions are supported for all of these platforms (for example, Solaris containers and zones (local and global), HACMP for AIX, and HP-UX MC/ServiceGuard).

UNIX/Linux	JDK Requirements	32-Bit OS	64-Bit OS
Solaris 8 (SPARC only)	1.4.2_12-b03 (32-bit only)  For information about daylight savings time update, refer to the topic <a href="#">Required Daylight Savings Time (DST) Update</a> on page 16.  Minimum Solaris patch requirements are: <ul style="list-style-type: none"> <li>• 112396-03</li> <li>• 111111-06</li> <li>• 108987-18</li> <li>• 111310-01</li> <li>• 108528-29</li> <li>• 108989-02</li> <li>• 112472-01</li> <li>• 111308-05</li> <li>• 112438-03</li> <li>• 117000-05</li> <li>• 110386-03</li> <li>• 111023-03</li> <li>• 115827-01</li> <li>• 116602-01</li> <li>• 111317-06</li> <li>• 113648-04</li> <li>• 109147-40</li> <li>• 119067-02</li> <li>• 108434-21</li> <li>• 108773-24</li> <li>• 108435-21</li> <li>• 108921-25</li> <li>• 108993-57</li> <li>• 117350-38</li> <li>• 109326-18</li> </ul>	Not Supported	Yes



UNIX/Linux	JDK Requirements	32-Bit OS	64-Bit OS
	<ul style="list-style-type: none"> <li>• 108940-73</li> </ul>		
Solaris 9 (SPARC only)	1.4.2_12-b03 (32-bit only) For information about daylight savings time update, refer to the topic <a href="#">Required Daylight Savings Time (DST) Update</a> on page 16. Minimum Solaris patch requirements are: <ul style="list-style-type: none"> <li>• 113096-03</li> <li>• 111711-15</li> <li>• 111712-15</li> <li>• 112963-25</li> <li>• 112785-54</li> </ul>	Yes	Yes
Solaris 10 (SPARC only)	1.4.2_12-b03 (32-bit only) For information about daylight savings time update, refer to the topic <a href="#">Required Daylight Savings Time (DST) Update</a> on page 16. Minimum Solaris patch requirements are: <ul style="list-style-type: none"> <li>• 120900-04</li> <li>• 121133-02</li> <li>• 119254-24</li> <li>• 119578-24</li> <li>• 118822-30</li> <li>• 118833-17</li> </ul>	Not Supported	Yes
AIX 5.2	IBM AIX build ca142-20060421 (32-bit only) For information about daylight savings time update, refer to the topic <a href="#">Required Daylight Savings Time (DST) Update</a> on page 16. Minimum IBM maintenance level: 5200-06	Not Supported	Yes
AIX 5.3	IBM AIX build ca142-20060421 (32-bit only) For information about daylight savings time update, refer to the topic <a href="#">Required Daylight Savings Time (DST) Update</a> on page 16. Minimum IBM maintenance level: 5300-03	Not Supported	Yes
HP-UX 11.11	Build 1.4.2.11 (32-bit only) For information about daylight savings time update, refer to the topic <a href="#">Required Daylight Savings Time (DST) Update</a> on page 16. Patch requirements as determined by the HPjconfig utility. Kernel parameters as determined by the HPjconfig utility.	Not Supported	Yes

UNIX/Linux	JDK Requirements	32-Bit OS	64-Bit OS
HP-UX 11i (11.23)	Build 1.4.2.11 (32-bit only) For information about daylight savings time update, refer to the topic <a href="#">Required Daylight Savings Time (DST) Update</a> on page 16. Patch requirements as determined by the HPjconfig utility. Kernel parameters as determined by the HPjconfig utility.	Not Supported	Yes
HP-UX 11.23 for IA64 (Itanium)	Build 1.4.2.11 (64-bit only) For information about daylight savings time update, refer to the topic <a href="#">Required Daylight Savings Time (DST) Update</a> on page 16. Patch requirements as determined by the HPjconfig utility. Kernel parameters as determined by the HPjconfig utility.	Not Supported	Yes
Red Hat Enterprise Linux Release 3 (AS or ES) (x64/x86 32-bit kernel only)	IBM build cxia321420-20040626 (32-bit only) For information about daylight savings time update, refer to the topic <a href="#">Required Daylight Savings Time (DST) Update</a> on page 16, as provided by the following RPMs from <a href="http://rhn.redhat.com">http://rhn.redhat.com</a> : <ul style="list-style-type: none"> <li>• java-1.4.2-ibm-1.4.2.0-1jpp_13rh.i386.rpm</li> <li>• java-1.4.2-ibm-devel-1.4.2.0-1jpp_13rh.i386.rpm</li> </ul> Minimum Kernel Version: 2.4.21-32.0.1.ELsmp (32-bit only) Minimum glibc version: 2.3.2-95.33	Yes	No
Red Hat Enterprise Linux Release 4 (AS or ES) (x64/x86 32-bit kernel only)	IBM build cxia321420-20050609 (32-bit only) For information about daylight savings time update, refer to the topic <a href="#">Required Daylight Savings Time (DST) Update</a> on page 16, as provided by the following RPMs from <a href="http://rhn.redhat.com">http://rhn.redhat.com</a> : <ul style="list-style-type: none"> <li>• java-1.4.2-ibm-1.4.2.2-1jpp_10rh.rpm</li> <li>• java-1.4.2-ibm-devel-1.4.2.2-1jpp_10rh.rpm</li> </ul> Minimum Kernel Version: 2.6.9-5.ELsmp (32-bit only) Minimum glibc version: 2.3.4-2	Yes	No
SUSE Linux Enterprise Server 9 (x64/x86 32-bit kernel only)	IBM build cxia321420-20040626 (32-bit only) For information about daylight savings time update, refer to the topic <a href="#">Required Daylight Savings Time (DST) Update</a> on page 16, as provided by SUSE: <ul style="list-style-type: none"> <li>• IBMJava2-JRE-1.4.2-0.51.rpm (on CD1)</li> <li>• IBMJava2-SDK-1.4.2-0.51.rpm (on CD3)</li> </ul> Minimum kernel version: 2.6.5-7.191-bigsmpp (32-bit only) Minimum glibc version: 2.3.3-98.47	Yes	No

# Windows Requirements

This topic covers the minimum system requirements and other information, needed to install and run Gentran Integration Suite on a Windows platform:

- [Windows Client System](#) on page 11
- [Windows Server Host System](#) on page 11
- [Windows JDK Requirements](#) on page 12

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## Windows Client System

This topic covers the Windows client system requirements.

At a minimum, a Windows client system requires:

- CD-ROM drive
- Pentium® or equivalent processor
- 400 MHz processor speed
- Color VGA or SVGA monitor
- Microsoft Internet Explorer 5.x or 6.x
- 256 MB RAM (1 GB is recommended for mapping clients with maps that have more than 20,000 objects)
- 1 GB free disk space
- Adobe Acrobat Reader 6.0 or later

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## Windows Server Host System

This topic covers the Windows server host system requirements.

At a minimum, a Windows Server host system requires:

- 2 GB RAM
- 5 GB free disk space
- Pentium III 1.3 GHz
- Additional resources are needed if you are:
  - Using MySQL database – An additional 1 GB RAM and an additional 2 GB free disk space.
  - Using other databases – Refer to the documentation you received with the database server to determine the minimum system requirements.

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**Note:** You can use a MySQL 4.0.18 database server with Gentran Integration Suite. This database is bundled with Gentran Integration Suite. Choosing this database during the installation procedure creates and configures it for you. MySQL is installed locally on the same server as Gentran Integration Suite and cannot be installed on a separate server.

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- File system space, if you use the option to store documents on the file system or if you use MySQL as your database. The amount of space needed will vary depending on the size of documents to be stored and the length of time you choose to retain documents on the file system.
  - For perimeter server requirements, refer to the topic *Perimeter Server Requirements (UNIX/Linux and Windows)* on page 18.
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**Note:** Contact Microsoft for help installing Windows Server 2003 R1 and R2.

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## Windows JDK Requirements

This topic covers the JDK requirements for installing Gentran Integration Suite on Windows platform.

The following table lists Windows JDK requirements:

**Note:** Download all Sun JDK versions from <http://java.sun.com/products/archive>.

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Windows Server	JDK Requirements	32-Bit OS	64-Bit OS
Windows Server 2000 SP4	Sun 1.4.2_12 (32-bit only) For information about daylight savings time update, refer to the topic <i>Required Daylight Savings Time (DST) Update</i> on page 16.	Yes	No
<ul style="list-style-type: none"> <li>• Windows Server 2003 Enterprise Edition (R1 or R2) SP1 32-bit</li> <li>• Windows Server 2003 Enterprise Edition (R1 or R2) SP2 32-bit</li> </ul>	Sun 1.4.2_12 (32-bit only) For information about daylight savings time update, refer to the topic <i>Required Daylight Savings Time (DST) Update</i> on page 16.	Yes	No
<ul style="list-style-type: none"> <li>• Windows Server 2003 Standard Edition (R1 or R2) SP1 32-bit</li> <li>• Windows Server 2003 Standard Edition (R1 or R2) SP2 32-bit</li> </ul>	Sun 1.4.2_12 (32-bit only) For information about daylight savings time update, refer to the topic <i>Required Daylight Savings Time (DST) Update</i> on page 16.	Yes	No

# iSeries Requirements

This topic covers the minimum system requirements and other information, needed to install and run Gentran Integration Suite on an iSeries platform:

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**Note:** Gentran Integration Suite on iSeries uses the DB2 database that is included in OS/400.

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- [iSeries Hardware](#) on page 13
- [iSeries Software](#) on page 13
- [iSeries JDK Requirements](#) on page 15

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## iSeries Hardware

This topic covers the iSeries hardware requirements. These system requirements are based on Gentran Integration Suite being the only application running on the system.

- CPU – 1000 CPW
- 2 GB memory (in a non-shared pool dedicated to Gentran Integration Suite)
- 20GB DASD (Required for Gentran Integration Suite plus space for operating system, spool, utilities, and so on.)
- File system space will be needed if you are using the option to store documents on the file system. The amount of space needed will vary depending on the size of documents to be stored and the length of time you choose to retain documents on the file system.

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## iSeries Software

This topic covers the software requirements for running Gentran Integration Suite on iSeries platform.

The following table lists the minimum software requirements for the supported iSeries platforms:

iSeries System	iSeries Software
OS/400 V5R2	<ul style="list-style-type: none"><li>• 5722-SS1 OS/400 V5R2</li><li>• 5722-SS1 Option 33 PASE (Portable Application Solutions Environment)</li><li>• 5722-SS1 Option 43 Additional Fonts</li><li>• OS/400 Cumulative PTF Level 6080</li></ul>

iSeries System	iSeries Software
	<ul style="list-style-type: none"> <li>• 5722-SS1 Option 30 Qshell Interpreter</li> <li>• 5722-TC1 TCP/IP Connectivity Utilities</li> <li>• 5722-JV1 *BASE Developer Kit for Java</li> <li>• 5722-JV1 Option 6 Java Developer Kit 1.4</li> <li>• 5722-AC3 *BASE Crypto Access Provider 128-bit</li> <li>• 5722-CE3 *BASE Client Encryption 128-bit</li> <li>• PTF Groups <ul style="list-style-type: none"> <li>• SF99519 Level 163 Hipers</li> <li>• SF99502 Level 25 DB2 UDB</li> <li>• SF99169 Level 27 Java</li> </ul> </li> <li>• Individual PTFs (or their superseding PTFs) <ul style="list-style-type: none"> <li>• 5722SS1/SI12625</li> <li>• 5722SS1/SI18650</li> </ul> </li> </ul>
OS/400 V5R3	<ul style="list-style-type: none"> <li>• 5722-SS1 OS/400 V5R3 (i5/OS V5R3)</li> <li>• 5722-SS1 Option 33 PASE (Portable Application Solutions Environment)</li> <li>• 5722-SS1 Option 43 Additional Fonts</li> <li>• OS/400 Cumulative PTF level 7198</li> <li>• 5722-SS1 Option 30 Qshell Interpreter</li> <li>• 5722-TC1 TCP/IP Connectivity Utilities</li> <li>• 5722-JV1 *BASE Developer Kit for Java</li> <li>• 5722-JV1 Option 6 Java Developer Kit 1.4</li> <li>• 5722-AC3 *BASE Crypto Access Provider 128-bit</li> <li>• 5722-CE3 *BASE Client Encryption 128-bit</li> <li>• PTF Groups <ul style="list-style-type: none"> <li>• SF99529 Level 129 Hipers</li> <li>• SF99503 Level 17 DB2 UDB</li> <li>• SF99269 Level 17 Java</li> </ul> </li> <li>• Individual PTFs (or their superseding PTFs) <ul style="list-style-type: none"> <li>• 5722999/MF35282</li> <li>• 5722999/MF35841</li> <li>• 5722999/MF36113</li> <li>• 5722SS1/SI12897</li> <li>• 5722SS1/SI17308</li> <li>• 5722SS1/SI18225</li> <li>• 5722SS1/SI18276</li> <li>• 5277SS1/SI18277</li> <li>• 5722SS1/SI18637</li> <li>• 5722JV1/SI17137</li> <li>• 5722999/MF37157</li> </ul> </li> </ul>
i5/OS V5R4	<ul style="list-style-type: none"> <li>• 5722-SS1 i5/OS V5R4</li> <li>• 5722-SS1 Option 30 Qshell Interpreter</li> </ul>

iSeries System	iSeries Software
	<ul style="list-style-type: none"> <li>• 5722-SS1 Option 33 PASE (Portable Application Solutions Environment)</li> <li>• 5722-SS1 Option 43 Additional Fonts</li> <li>• 5722-TC1 TCP/IP Connectivity Utilities</li> <li>• 5722-JV1 *BASE Developer Kit for Java</li> <li>• 5722-JV1 Option 6 Java Developer Kit 1.4</li> <li>• 5722-XE1 *BASE IBM eServer iSeries Access for Windows</li> <li>• PTF Groups <ul style="list-style-type: none"> <li>• SF99540 Level 7226 Cumulative PTF Package</li> <li>• SF99539 Level 54 Hipers</li> <li>• SF99504 Level 12 DB2 UDB</li> <li>• SF99291 Level 9 Java</li> </ul> </li> <li>• Individual PTFs (or their superseding PTFs) <ul style="list-style-type: none"> <li>• 5722JV1/SI22769</li> </ul> </li> </ul>

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## iSeries JDK Requirements

This topic covers the JDK requirements for installing Gentran Integration Suite on iSeries platform.

**Note:** The iSeries JDK is bundled with the operating system. You do not download the JDK from a Web site. You can update the JDK through an operating system update.

iSeries Server	JDK Requirements
OS/400 V5R2	<p>JDK 1.4</p> <p>For more information, refer to the OS/400 V5R2 column in the topic <a href="#">iSeries Software</a> on page 13.</p>
OS/400 V5R3	<p>JDK 1.4</p> <p>For more information, refer to the OS/400 V5R3 column in the topic <a href="#">iSeries Software</a> on page 13.</p>
i5/OS V5R4	<p>JDK 1.4</p> <p>For more information, refer to the i5/OS V5R4 column in the topic <a href="#">iSeries Software</a> on page 13.</p>

# Required Daylight Savings Time (DST) Update

The changes enacted in 2007 for Daylight Savings Time require special action to be taken.

For Java 1.4.2 (including the IBM 1.3.1 JVM), a utility is available that will update the time zone information in the JVM without replacing the JVM.

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**Note:** Please visit <https://cn.sterlingcommerce.com/> for more information on where to download the JVM specific vendor utilities. A wrapper script is also available that will automate the process of applying the vendor-specific utilities to Gentran Integration Suite.

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# JDBC Driver Requirements (All Databases)

This topic covers the JDBC driver information for all the databases supported by Gentran Integration Suite. The following table lists the JDBC drivers that are required with Gentran Integration Suite:

Database	JDBC Driver
Oracle 9i	Oracle 9i 9.2.0.5 JDBC driver (classes12.zip)
Oracle 10g	Oracle 10g 10.2.0.2 JDBC driver (ojdbc14.jar)
Microsoft SQL Server 2000	JDBC driver version 2.2.0040
Microsoft SQL Server 2005 (Requires Gentran Integration Suite, Release 4.2 Build 4209 or later)	JDBC driver version 1.1.1501.200 through 1.1.1501.xxx Download sqljdbc.jar from <a href="http://support.microsoft.com/hotfix/KBHotfix.aspx?kbnun=925050&amp;kbln=enus">http://support.microsoft.com/hotfix/KBHotfix.aspx?kbnun=925050&amp;kbln=enus</a>
DB2 8.2.3 (UNIX, Linux)	JDBC Type-4 driver version 8.2.2 (internal driver version 2.7.58)
DB2 (iSeries)	Native JDBC driver (included in IBM licensed program 5722-JV1)
DB2 8.1 Fixpack 10 (UNIX, Linux)	JDBC Type-4 driver version 8.1.4a (internal driver version 1.5.54)

# Perimeter Server Requirements (UNIX/Linux and Windows)

You can install and run perimeter servers in a UNIX/Linux or Windows Server environment.

- Perimeter servers can be co-resident with Gentran Integration Suite installations or can be installed on remote servers. To take full advantage of the security features of a perimeter server, it should be installed on a different computer than where Gentran Integration Suite is installed.
- Perimeter servers require an operating system, patch level, and JDK version that is also supported for Gentran Integration Suite, regardless of where the perimeter server resides. However, the operating system or JDK version that the perimeter server uses does not need to match the operating system or JDK version used by Gentran Integration Suite that the perimeter server communicates with.

For example, if you have a copy of Gentran Integration Suite that is running on iSeries with 5722-JV1 Option 6 Java Developer Kit 1.4, you may have the perimeter server that communicates with Gentran Integration Suite running on Solaris 9 with JDK 1.4.2\_06-b03. Although the operating systems and JVMs are different versions, Gentran Integration Suite and the perimeter server still communicate without difficulty.

In addition, each perimeter server requires the following minimum space and memory requirements:

- 100 MB disk space
- 1 GB memory

# Download the Red Hat JVM

To download the necessary packages for the Red Hat JVM, perform the following tasks:

1. Go to <http://rhn.redhat.com>, and log in.
2. Select **Packages** from the drop-down list adjacent to the search box.
3. In the search box, type `java-1.4.2-ibm`, and click **Search**.
4. In the Package Search page that is displayed, verify that **java-1.4.2-ibm** is displayed in the **Search For:** box.
5. In the **What to search:** box, select **Name and Summary** from the drop-down list.
6. In the **Where to search** section:
  - a) Clear the **Channels relevant to your systems** check box.
  - b) Select the **IA-32** check box only. Clear any other check boxes.
7. Click **Search**.
8. Open the **java-1.4.2-ibm** link in a new window.
9. Download the JRE package using one of the following sets of instructions:
  - **Red Hat Enterprise Linux ES Release 3**
    1. From the list, find and click the **java-1.4.2-ibm-1.4.2.0-1jpp\_13rh:0.i386** link.
    2. Click **Download Package** to download the `java-1.4.2-ibm-1.4.2.0-1jpp_13rh.i386.rpm` file.
    3. Save the package and note the location. You will need this information during the installation process.
  - **Red Hat Enterprise Linux AS Release 4**
    1. From the list, find and click the **java-1.4.2-ibm-1.4.2.2-1jpp\_10rh:0.i386** link.
    2. Click **Download Package** to download the `java-1.4.2-ibm-1.4.2.2-1jpp_10rh.i386.rpm` file.
    3. Save the package and note the location. You will need this information during the installation process.
10. Close the window and return to the previous window.
11. Click the **java-1.4.2-ibm-devel** link.
12. Download the JDK package using one of the following sets of instructions:
  - **Red Hat Enterprise Linux ES Release 3**
    1. From the original search list, find and click the **java-1.4.2-ibm-devel-1.4.2.0-1jpp\_13rh:0.i386** link.

2. Click **Download Package** to download the java-1.4.2-ibm-devel-1.4.2.0-1jpp\_13rh.i386.rpm file.
  3. Save the package and note the location. You will need this information during the installation process.
- **Red Hat Enterprise Linux AS Release 4**
    1. From the original search list, find and click the **java-1.4.2-ibm-devel-1.4.2.2-1jpp\_10rh:0.i386** link.
    2. Click **Download Package** to download the java-1.4.2-ibm-devel-1.4.2.2-1jpp\_10rh.i386.rpm file.
    3. Save the package and note the location. You will need this information during the installation process.
13. Click **Log Out** to exit the Web site.

# Change History

The following table lists the changes made to this document on a particular date:

Date	Change
03/02/2011	Added the following Oracle database note: <ul style="list-style-type: none"><li>• Support for Oracle databases does not include support for the Oracle Exadata platform.</li></ul>
05/08/2009	Changed Oracle 10g JDBC driver to 10.2.0.2 (ojdbc14.jar).
04/24/2009	Updated JDBC driver requirement for Microsoft SQL Server™ 2005 Enterprise and Standard Editions.
02/27/2009	Added Sun JDK download link under Windows JDK Requirements.
5/5/2008	<ul style="list-style-type: none"><li>• Changed wording for Windows Server 2003 support so that it focuses on Service Pack (SP) level instead of R1 or R2 level.</li><li>• Clarified that Microsoft Internet Explorer 5.x or 6.x is supported (and not 7.x).</li></ul>
4/15/2008	Added support for Windows Server 2003 Standard Edition R2 SP2 and Windows Server 2003 Enterprise Edition R2 SP2.
3/28/2008	Clarified that Gentran Integration Suite runs only on x64/x86-based Red Hat or SUSE Linux servers.
3/14/2008	<ul style="list-style-type: none"><li>• Added support for Oracle Standard Edition databases, to go along with support for Oracle Enterprise Edition databases.</li><li>• Changed support for Oracle 9i databases from “9.2.0.7 non-RAC through version <b>9.X.X.X</b>” to “9.2.0.7 non-RAC through version <b>9.2.X.X</b>”.</li></ul>
2/6/2008	Removed UNIX/Linux and Windows platform/database matrices. Replaced this information with separate lists of supported platforms and databases.
2/1/2008	<ul style="list-style-type: none"><li>• Clarified that Windows Server 2003 Standard Edition R2 and Windows Server 2003 Enterprise Edition R2 are supported at only the SP1 level.</li><li>• Added support for the Microsoft SQL Server 2005 database for Patch 4209 and higher.</li></ul>

Date	Change
12/17/2007	<ul style="list-style-type: none"> <li>• Added support for Windows Server 2003 Enterprise Edition R1 and Windows Server 2003 Standard Edition R1.</li> <li>• Added note that Sterling Commerce does not provide customer support for problems related to virtual server environments like VMware®.</li> <li>• Re-organized content so that users of a particular platform can go more directly to the information that they need.</li> </ul>
11/27/2007	<ul style="list-style-type: none"> <li>• Removed recommendation that user contact account representative for most up-to-date system requirements. This should lower number of customer calls to account representative.</li> <li>• Removed references to Java 1.3.1 from “Required Daylight Savings Time (DST) Update” section.</li> <li>• Changed MySQL database disk space requirements from “1 GB RAM and 2 GB free disk space” to “An additional 1 GB RAM and an additional 2 GB free disk space”.</li> <li>• Corrected “Starting with version 4.1.1, Gentran Integration Suite runs independent of an application server and no longer includes JBoss.” to say “Starting with version 4.0, Gentran Integration Suite runs independent of an application server and no longer includes JBoss.”</li> </ul>
11/2/2007	Changed all text reading “n/a” or “N/A” to “Not Supported”.
10/17/2007	Updated different hardware and software requirements for iSeries.
9/5/2007	<ul style="list-style-type: none"> <li>• Removed “(non-partitioned only)” qualifier from Solaris 10.</li> <li>• Clarified that Gentran Integration Suite runs on only SPARC-based Solaris servers, and not on x86 (Intel)-based Solaris servers.</li> </ul>
8/14/2007	Updated support for Windows Server 2003 from SP1 to R2.
3/29/2007	Clarified that both the ES and AS versions of Red Hat Enterprise Linux Release 3 and Red Hat Enterprise Linux Release 4 are supported.
1/24/2007	Added supported/certified database servers for SUSE Linux Enterprise Server 9 in a Gentran Integration Suite cluster.
1/12/2007	<ul style="list-style-type: none"> <li>• Added JDK support for 2007 Daylight Savings Time changes.</li> <li>• Changed Oracle 9.2.0.6 to Oracle 9.2.0.7.</li> <li>• Changed DB2 8.1 fixpack 5 to DB2 8.1 fixpack 10.</li> <li>• Specified JDBC driver requirements for DB2 8.2.3 (UNIX, Linux)</li> <li>• Added JDBC driver requirements for DB2 8.1 Fixpack 5 (UNIX, Linux).</li> </ul>
1/02/2007	<p>Updated support information for SQL Server 2000 SP4 Enterprise &amp; Standard for the following operating systems:</p> <ul style="list-style-type: none"> <li>• Red Hat Enterprise Linux ES Release 3</li> <li>• Red Hat Enterprise Linux AS Release 4</li> <li>• SUSE Linux Enterprise Server 9</li> </ul>
12/13/2006	<p>Added the following database server support information:</p> <ul style="list-style-type: none"> <li>• What database servers are supported by Sterling Commerce.</li> </ul>

Date	Change
	<ul style="list-style-type: none"> <li>• What database servers are supported by Sterling Commerce and also were tested during the development of Gentran Integration Suite release 4.2.</li> </ul>
11/16/2006	<p>Added support for SQL Server 2000 SP4 Enterprise &amp; Standard to the following operating systems:</p> <ul style="list-style-type: none"> <li>• Red Hat Enterprise Linux ES Release 3</li> <li>• Red Hat Enterprise Linux AS Release 4</li> <li>• SUSE Linux Enterprise Server 9</li> </ul>
10/26/2006	Removed section for zSeries host system, which Sterling Commerce no longer supports.
9/29/2006	Added support for Solaris 10 platform (non-partitioned only).
7/10/2006	Removed AIX 5.1. AIX 5.1 is no longer supported by IBM, as of April 2006.
5/30/2006	<p>Added the following iSeries requirements</p> <ul style="list-style-type: none"> <li>• 5722-AC3 *BASE Crypto Access Provider 128-bit</li> <li>• 5722-CE3 *BASE Client Encryption 128-bit</li> <li>• 5722-XE1 *BASE IBM eServer iSeries Access for Windows</li> </ul> <p>Added JDBC Driver Requirements.</p>
5/24/2006	Added support for Red Hat Enterprise Linux AS Release 4.
3/31/2006	Added support for i5/OS V5R4 systems.
3/9/2006	<ul style="list-style-type: none"> <li>• Added support for DB2 8.2.3.</li> <li>• In the Perimeter Server Requirements section, updated the JDK version numbers in the example.</li> </ul>
11/1/2005	<ul style="list-style-type: none"> <li>• SQL Server is no longer supported for the following cluster OS configurations: <ul style="list-style-type: none"> <li>• AIX 5.2</li> <li>• AIX 5.3</li> <li>• HP-UX 11i (11.23)</li> </ul> </li> <li>• For the Windows Client, Adobe Acrobat Reader version 6 or later is required.</li> <li>• Added Oracle 10g and Red Hat 3.0.</li> <li>• Changed the following references for clarity: <ul style="list-style-type: none"> <li>• Oracle 9.2.0.6 to Oracle 9i Database Enterprise Release 2 (9.2.0.6)</li> <li>• Oracle 10.1.0.4 to Oracle Database 10g Enterprise Edition Release 1 (10.1.0.4)</li> </ul> </li> <li>• Added PTF 5722999/MF37157 to the iSeries V5R3 section.</li> <li>• Added instructions for downloading the most current JVM for Red Hat EL 3.0.</li> <li>• For Red Hat EL 3.0, added clustered DB Oracle 9.2.0.6 and 10.1.0.4.</li> <li>• Updated the PTF information for OS/400 V5R2 and V5R3 Systems.</li> <li>• Changed 'HP-UX Integrity (Itanium. IA64)' to 'HP-UX 11.23 for IA64 (Itanium)'</li> <li>• Changed "Windows Server 2003 Enterprise Edition" to "Windows Server 2003 Enterprise Edition SP1"</li> <li>• Changed "Windows Server 2003 Standard Edition" to "Windows Server 2003 Standard Edition SP1"</li> </ul>

Date	Change
	<ul style="list-style-type: none"><li>• In the Red Hat Enterprise section changed build cxia312420-20040626 to build cxia312420-20040626 (32-bit only)</li><li>• In the SUSE Linux Enterprise Server 9 section changed build cxia312420-20040626 to build cxia312420-20040626 (32-bit only)</li><li>• In the iSeries section changed 5722-JV1 Option 5 Java Developer Kit 1.3 to 1.4.</li><li>• Removed SUSE Linux Enterprise Server 8/United Linux 1.0 for Intel.</li><li>• Removed all references to Oracle 8.1.7.4.</li><li>• Updated JDK requirements for all Windows OS.</li><li>• All references to SQLServer 2000 SP3 were changed to SQLServer SP4</li></ul>



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