

# System Requirements

Version 5.2.0 - 5.2.5



# System Requirements

Version 5.2.0 - 5.2.5

ote ore using this informat	ion and the product it s	upports, read the inf	ormation in "Notice	es" on page 43.	

## Copyright

This edition applies to Version 5 Release 2 of Sterling B2B Integrator and to all subsequent releases and modifications until otherwise indicated in new editions.

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## System Requirements (V5.2.0 - 5.2.5)

System requirements for Sterling B2B Integrator vary with your business needs and system environment. Be sure to follow the specific requirements for your needs.

## Sterling B2B Integrator V5.2.0 - 5.2.5.x System Requirements

System requirements for IBM® Sterling B2B Integrator V5.2.0 - 5.2.5.x vary with your business needs and system environment. Contact your Sterling B2B Integrator 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 Sterling B2B Integrator with or without perimeter servers.
- Whether your environment is clustered (multiple node) or non-clustered (single node).

The following sections list the platforms and databases that are supported by Sterling B2B Integrator:

- Platforms
- Databases

The following sections list minimum system requirements, and other information, needed to install and run Sterling B2B Integrator on particular platforms:

- IPv6 Capabilities
- UNIX/Linux Requirements
- Windows Requirements
- *iSeries Requirements*

The following sections list additional information that is needed to install and run Sterling B2B Integrator:

- *ICE Requirements (All Platforms)*
- IDBC Driver Requirements (All Databases)
- Perimeter Server Requirements (UNIX/Linux and Windows)
- Internet Browser and Plugin Requirements (All Platforms)
- Map Editor and Graphical Process Modeler System Requirements
- Supported Third Party Software

**Note:** Sterling B2B Integrator supports ActiveMQ version 5.0 and ActiveMQ version 5.2 for JMS (Java Message Service).

### Minimum and Supported Versions

Where supported version information is supplied, the initial version shown is the minimum version required. It is the version used for product testing. However, all higher versions within the parameters shown are supported.

For example, the statement "IBM JDK 1.6.0 SR8 FP1 or higher within version 1.6.0 SRxx FPxx" means version 1.6.0 SR8 FP1 is the minimum IBM JDK version supported, and is the tested version. Version 1.6.0 SR10 FP1 would also be supported. However, version 1.7.0 SR4 FP1 would not be supported because it is not within version 1.6.0 SRxx FPxx.

## Sterling B2B Integrator 5.2.4 December 2013 Release

The Sterling B2B Integrator 5.2.4 installation media released in December 2013 automatically installs the 5.2.4.2 fixpack. Therefore, after installation is completed, the Sterling B2B Integrator version is 5.2.4.2.

Earlier Sterling B2B Integrator 5.2.4 installation media installed version 5.2.4.0.

Please consider these differences when referring to the system requirements provided.

## **Platforms**

Sterling B2B Integrator supports the UNIX/Linux, Windows, and iSeries platforms.

This topic covers the following supported platform versions:

- UNIX/Linux
- · Windows
- iSeries

#### **UNIX/Linux**

Sterling B2B Integrator supports the following UNIX/Linux platforms:

**Note:** If you are using the GUI installation method with UNIX/Linux, you need X Window-compatible software.

- HP-UX 11.23 (PA-RISC or Itanium), including any patches.
  - HP-UX 11.23 is also called HP-UX 11i v2
  - PA-RISC is not supported by Sterling File Gateway
  - PA-RISC is not supported by Sterling B2B Integrator 5.2.5 or higher
- HP-UX 11.31 (PA-RISC or Itanium), including any patches.
  - HP-UX 11.31 is also called HP-UX 11i v3
  - PA-RISC is not supported by Sterling B2B Integrator 5.2.5 or higher

**Note:** Integration with WebSphere Transformation Extender (WTX) on HP-UX is only supported with Itanium. It is not supported with PA-RISC.

- IBM AIX 5.3, including any patches within 5.x
- IBM AIX 6.1, including any patches within 6.x
- IBM AIX 7.1, including any patches within 7.*x* (Requires Sterling B2B Integrator 5.2.4.1 or higher)
- Oracle Solaris 9 (SPARC only), including applicable patches
- Oracle Solaris 10 (SPARC only), including applicable patches
- Oracle Solaris 11 (SPARC only), including applicable patches (Requires Sterling B2B Integrator 5.2.4.2 or higher)
- Red Hat Enterprise Linux Release 5.5 (x64/x86 64-bit kernel only), including any patches within 5.*x*

- Red Hat Enterprise Linux Server Release 6.1 or higher x64, 64-bit Kernel, including any patches within 6.x. Supported kernel version: 2.6.18-164.2.1.el5 or higher within version 2.x. (Requires Sterling B2B Integrator 5.2.4 or higher)
- Red Hat Enterprise Linux 5.5 for IBM System z, including any patches within 5.x (Requires Sterling B2B Integrator 5.2.4 or higher)
- Red Hat Enterprise Linux 6.1 or higher for IBM System z, including any patches within 6.x. Supported kernel version: 2.6.18-164.2.1.el5 or higher within version 2.x. (Requires Sterling B2B Integrator 5.2.4 or higher)

Note: Integration with WebSphere Transformation Extender (WTX) on Red Hat Enterprise Linux for IBM System z requires WebSphere Transformation Extender version 8.4.0.3.14.

- SUSE Linux Enterprise Server (SLES) 10 (x64/x86 64-bit kernel only), including any patches within 10.x
- SUSE Linux Enterprise Server (SLES) 11 (x64/x86 64-bit kernel only), including any patches within 11.x
- SUSE Linux Enterprise Server (SLES) 11 System z, including any patches within 11.x (Requires Sterling B2B Integrator 5.2.4 or higher)

#### Windows

Sterling B2B Integrator supports the following Microsoft Windows platforms:

- Microsoft Windows Server 2003 Standard or Enterprise Edition R2 SP2 32-bit, including any patches or service packs
  - Not supported in Sterling B2B Integrator 5.2.5 or higher.
- Microsoft Windows Server 2008 Standard or Enterprise Edition R2 64-bit, including any patches or service packs
- Microsoft Windows Server 2012 Standard Edition R2 64-bit, including any patches or service packs. (Requires Sterling B2B Integrator V5.2.5, using the Sterling B2B Integrator V5.2.5 installation media released in April 2015, or higher.)

#### **iSeries**

Sterling B2B Integrator supports the following IBM iSeries platforms:

- i5/OS V5R4, including any patches (Sterling B2B Integrator 5.2.0 5.2.4.1 only.) Not supported in Sterling B2B Integrator 5.2.4.2 or higher. This includes the Sterling B2B Integrator 5.2.4 installation media released in December 2013. When patching up to 5.2.4.2, you must apply the patch on your V5R4 operating system, but then immediately upgrade your iSeries to IBM i V6R1 or V7R1, or physically move your Sterling B2B Integrator instance to an iSeries using IBM i V6R1 or V7R1.
- IBM i V6R1, including any patches Not supported in Sterling B2B Integrator 5.2.5 or higher.
- IBM i V7R1, including any patches (Requires Sterling B2B Integrator 5.2.3 or higher)
- IBM i V7R2, including any patches (Requires Sterling B2B Integrator 5.2.5 or higher)

Note: Integration with WebSphere Transformation Extender (WTX) is not supported on iSeries.

## **Databases**

Each operating system that is supported by Sterling B2B Integrator can use particular databases.

The following table lists the combination of platforms and databases supported by Sterling B2B Integrator:

	Oracle	MySQL	Microsoft SQL Server	DB2®	DB2 for i (DB2 for iSeries)
HP-UX 11.23 (PA-RISC) (Sterling B2B Integrator 5.2.4.2 or lower)	Yes	Yes	Yes	Yes	No
HP-UX 11.23 for IA64 (Itanium)	Yes	Yes	Yes	Yes	No
HP-UX 11.31 (PA-RISC) (Sterling B2B Integrator 5.2.4.2 or lower)	Yes	Yes	Yes	Yes	No
HP-UX 11.31 for IA64 (Itanium)	Yes	Yes	Yes	Yes	No
IBM AIX® 5.3	Yes	Yes	Yes	Yes	No
IBM AIX 6.1	Yes	Yes	Yes	Yes	No
IBM AIX 7.1 (Sterling B2B Integrator 5.2.4.1 or higher)	Yes	Yes	Yes	Yes	No
Oracle Solaris 9 (SPARC only)	Yes	Yes	Yes	Yes	No
Oracle Solaris 10 (SPARC only)	Yes	Yes	Yes	Yes	No
Oracle Solaris 11 (SPARC only) (Sterling B2B Integrator 5.2.4.2 or higher)	Yes	Yes	Yes	Yes	No
Red Hat Enterprise Linux Release 5.5 (x64/x86 64-bit kernel only)	Yes	Yes	Yes	Yes	No
Red Hat Enterprise Linux Server Release 6.1 or higher x64, 64-bit Kernel (Sterling B2B Integrator 5.2.4 or higher)	Yes	Yes	Yes	Yes	No
Red Hat Enterprise Linux 5.5 for IBM System z <sup>®</sup> (Sterling B2B Integrator 5.2.4 or higher)	No	No	No	Yes	No
Red Hat Enterprise Linux 6.1 or higher for IBM System z (Sterling B2B Integrator 5.2.4 or higher)	No	No	No	Yes	No
SUSE Linux Enterprise Server 10 (x64/x86 64-bit kernel only).	Yes	Yes	Yes	Yes	No
SUSE Linux Enterprise Server 11 (x64/x86 64-bit kernel only).	Yes	Yes	Yes	Yes	No
SUSE Linux Enterprise Server (SLES) 11 System z (Sterling B2B Integrator 5.2.4 or higher).	No	No	No	Yes	No

	Oracle	MySQL	Microsoft SQL Server	DB2®	DB2 for i (DB2 for iSeries)
Microsoft Windows Server 2003 Standard or Enterprise Edition R2 SP2 32-bit (Sterling B2B Integrator 5.2 through 5.2.4).	Yes	Yes	Yes	Yes	No
Microsoft Windows Server 2008 Standard or Enterprise Edition R2 64-bit (Sterling B2B Integrator 5.2 through 5.2.5).	Yes	Yes	Yes	Yes	No
Microsoft Windows Server 2012 Standard Edition R2 64-bit, including any patches or service packs. (Requires Sterling B2B Integrator V5.2.5, using the Sterling B2B Integrator V5.2.5 installation media released in April 2015, or higher.)	Yes	Yes	Yes	Yes	No
IBM iSeries i5/OS <sup>™</sup> V5R4 (bundled with iSeries) (Current® Sterling B2B Integrator 5.2.0 - 5.2.4.1 installations only.)  Not supported in Sterling B2B Integrator 5.2.4.2 or higher. This includes the Sterling B2B Integrator 5.2.4 installation media released in December	No	No	No	No	Yes
IBM i V6R1 (bundled with iSeries) (Sterling B2B Integrator 5.2.4.2 or lower)	No	No	No	No	Yes
IBM i V7R1 (bundled with iSeries)	No	No	No	No	Yes
IBM i V7R2 (bundled with iSeries) (Sterling B2B Integrator 5.2.5 or higher)	No	No	No	No	Yes

Sterling B2B Integrator supports the following database versions:

#### **Notes:**

- Sterling B2B Integrator installed on a 32-bit architecture operating system supports a 64-bit architecture database if the database is installed on a separate machine.
- Sterling B2B Integrator supports the use of database-level clustering when using Oracle RAC or Microsoft SQL Server databases. Only your database vendor, however, can assist you in setting up a clustered database.
- A clustered Sterling B2B Integrator installation can be used with an external (non-clustered) MySQL database.

Platform	Supported Databases
Oracle	Oracle Database 11g Standard and Enterprise Editions, Release 1
	• Version 11.1.0.7.0 or higher within version 11.1.x.x.x
	• RAC or non-RAC
	Oracle Database 11g Standard and Enterprise Editions, Release 2
	• Version 11.2.0.2.0 or higher within version 11.2.x.x.x
	• RAC or non-RAC
	Oracle Database 12c Standard and Enterprise Editions (Sterling B2B Integrator 5.2.5 or higher)
	• Version 12.1.0.2 or higher within version 12.1. <i>x</i> . <i>x</i>
	Non-RAC only
	Notes:
	RAC refers to Real Application Clusters. For more information, refer to Oracle documentation.
	SCAN (Single Client Access Name), available in Oracle RAC 11g R2, can be used with Sterling B2B Integrator.      Important: SCAN cannot be used with Oracle 12c because Oracle 12c RAC is not supported at this point. SCAN support will be available in the future when Oracle 12c RAC support is available.
	Sterling B2B Integrator supports JDBC Type-4 drivers to a single node of a database except Oracle RAC. You can use the JDBC Type-4 drivers to connect with multiple nodes of an Oracle RAC.
MySQL	MySQL Enterprise Edition 5.1.45 or higher within version 5.1.x
	<b>Note:</b> MySQL is case-insensitive for searches with string values. For example, the search results will be the same when you search for users 'Admin' and 'admin'. As a result, it impacts searches for maps, business processes, services, mailboxes, user names, and other data stored in the database.
DB2 for i (formerly	DB2 for System i® Level 31 for V5R4
DB2 for iSeries)	(Sterling B2B Integrator 5.2.0 - 5.2.4.1 only) <b>Note:</b> New installations using the Sterling B2B Integrator 5.2.4 installation media released in December 2013 or later are not supported on an IBM i V5R4 operating system.
	DB2 for i Level 20 for V6R1 (v 5.2.0 - 5.2.4.1)
	DB2 for i Level 29 for V6R1 (Sterling B2B Integrator patched to 5.2.4.2 only. New installations must use the Sterling B2B Integrator 5.2.4 installation media released in December 2013 or higher.)
	DB2 for IBM i Level 9 for V7R1 (Sterling B2B Integrator 5.2.3 - 5.2.4.1)
	DB2 for IBM i Level 23 for V7R1 (Sterling B2B Integrator patched to 5.2.4.2 or higher. New installations must use the Sterling B2B Integrator 5.2.4 installation media released in December 2013 or higher.)
	DB2 for IBM i Level 30 for V7R1 (Sterling B2B Integrator 5.2.5 or higher)
	DB2 for IBM i Level 2 for V7R2 (Sterling B2B Integrator 5.2.5 or higher)
	<b>Note:</b> Support for DB2 databases does not include support for DB2 pureScale® in Sterling B2B Integrator 5.2.4.1 or below. DB2 pureScale is supported in Sterling B2B Integrator 5.2.4.2 or higher.

Platform	Supported Databases
DB2 for Linux, UNIX, and Windows	DB2 Enterprise Server Edition 9.5 or higher within version 9.5. <i>x</i> (Sterling B2B Integrator 5.2.4.2 or lower)
	DB2 Advanced Enterprise Server Edition 9.7 or higher within version 9.7.x (Sterling B2B Integrator 5.2.4.2 or lower)
	(Required for SUSE Linux Enterprise Server (SLES) 11 System z)
	<b>Note:</b> You should be aware that the instance of IBM DB2, v9.7 that is provided with the IBM DB2 Workgroup Server Edition for Sterling B2B Integrator is limited to 4G of memory. This might impact how you use it with Sterling B2B Integrator. If you upgrade to Sterling B2B Integrator 5.2.5 and IBM DB2, v10.5, the memory limitation for IBM DB2 Workgroup Server Edition for Sterling B2B Integrator increases to 128G.
	DB2 10.1 or higher within version 10.1. <i>x</i> (Sterling B2B Integrator 5.2.4.2 or higher) <b>Note:</b> You should be aware that the instance of IBM DB2, v10.1 that is provided with the IBM DB2 Workgroup Server Edition for Sterling B2B Integrator is limited to 8G of memory. This might impact how you use it with Sterling B2B Integrator. If you upgrade to Sterling B2B Integrator 5.2.5 and IBM DB2, v10.5, the memory limitation for IBM DB2 Workgroup Server Edition for Sterling B2B Integrator increases to 128G.
	DB2 Advanced Enterprise Server Edition 10.5 or higher within version 10.5. <i>x</i> (Sterling B2B Integrator 5.2.5 or higher. )
	Note: Support for DB2 databases does not include support for DB2 pureScale in Sterling B2B Integrator 5.2.4.1 or lower. DB2 pureScale is supported in Sterling B2B Integrator 5.2.4.2 or higher.  Note: DB2 Workgroup Server Edition is provided with Sterling B2B Integrator. However, your business may require IBM DB2 Enterprise Server Edition. You should familiarize yourself with the functions, features and benefits of each and select the edition that best meets your business objectives. For information on upgrading your DB2 installation, contact your IBM Sales Representative.
MS SQL Server	Microsoft SQL Server 2005 Enterprise and Standard Editions (Sterling B2B Integrator 5.2.4.2 or lower)
	• Version 9.0.3152 or higher within version 9.0.x
	Microsoft SQL Server 2008 Enterprise and Standard Editions • Version 10.0.1600.22 or higher within version 10.0. <i>x</i> . <i>x</i>
	Microsoft SQL Server 2008 R2 (SP1) Enterprise and Standard Editions  • Version 10.50.2550.0 or higher within version 10.50.x.x
	Additional requirements:
	• Requires Sterling B2B Integrator 5.2.4 through 5.2.5 if upgrading from a version of Sterling B2B Integrator prior to 5.2.
	• Requires Sterling B2B Integrator 5.2.4.1 through 5.2.5 if updating from Sterling B2B Integrator 5.2 - 5.2.4.
	See the Sterling B2B Integrator 5.2 Installation documentation for specific instructions and further details.
	Microsoft SQL Server 2012 SP1 Enterprise and Standard Editions
	Version SP1 Cumulative Update Package 9 or higher within version SP1.
	• Version 11.0.3412.0 or higher within version 11.0.x.x
	Additional requirements:
	Requires Sterling B2B Integrator 5.2.5 or higher
	• See the Sterling B2B Integrator 5.2 Installation documentation for specific instructions and further details.

## **IPv6** capabilities

An increased market demand for the enhanced Internet Protocol (IP) has lowered the worldwide supply of Internet Protocol version 4 (IPv4) addresses. The Internet Protocol version 6 (IPv6) expands the IP address space from 32 bits to 128 bits, providing an increased supply of IP addresses.

#### IPv6 supported combinations

Sterling B2B Integrator is enabled for IPv6 support, providing a dual IPv4/IPv6 stack, tunneling, proxying, and translation between the two IP address versions.

Sterling B2B Integrator interoperates with various related products, many of which do not yet support IPv6 addresses. Hence, in Sterling B2B Integrator, a limited set of configurations use IPv6 addresses. The dual stack approach permits interoperability between Sterling B2B Integrator and a mixed set of IPv4 and IPv6 enabled services and adapters wherever feasible.

However, if you choose to implement an IPv6 installation, limitations exist in the Sterling B2B Integrator system requirements and the selected services and adapters. Consider the limitations before you attempt to install Sterling B2B Integrator with IPv6 addresses.

#### **CAUTION:**

You must install with a host name and not an IPv6 address. Otherwise the Lightweight JDBC adapter and Graphical Process Modeler (GPM) do not work.

The following table lists the IPv6 configuration combinations that are supported by Sterling B2B Integrator:

**Attention:** Red Hat Enterprise Linux for IBM System z and SUSE Linux Enterprise Server (SLES) 11 System z only support DB2.

Database	AIX	Windows	Linux	Solaris	HP
DB2	Yes	No	Yes	Yes	Yes
MSSQL	No	No	Yes	Yes	Yes
Oracle	No	No	Yes	Yes	Yes
MySQL	No	No	Yes	Yes	Yes

**Note:** IBM Consulting Services can help you implement Sterling B2B Integrator in an IPv6-compliant environment by using transition technologies. Check the IPv6 compliance of any third-party tools (such as web servers, FTP clients, and MQ servers) that you use with Sterling B2B Integrator.

The following Sterling B2B Integrator components provide IPv6 compliance with some limitations.

**Attention:** The status of each component will be updated as more of IBM's technology partners offer IPv6 compliance.

Component	IPv6 compliance	Limitations
HTTP Client/Server adapter	Full	-

	IPv6	
Component	compliance	Limitations
HTTP GET/POST service	Full	-
HTTP Begin/End Session adapter	Full	-
FTP Client/Server adapter	Full	-
WSMQ adapter	Full	-
PGP Package/Unpackage service	Full	-
Command Line Adapter 2	Full	-
WSMQ Suite adapter	Full	-
JMS adapter	Partial	The URI does not accept IPv6 addresses as characters '[]' are not allowed. However, it works with a host name.
SFTP Client/Server adapter	Full	-
SMTP/POP3/MIME	Full	-
FSA	Full	-
Lightweight JDBC adapter	Partial	Supports an IPv6 remote host only with a DB2 and AIX combination. However, if your Sterling B2B Integrator installation is under an IPv6 address, the Lightweight JDBC adapter can still be used with any other database currently supported by the adapter by using an IPv4 remote host.
RMI adapter	Partial	The URI does not accept IPv6 addresses as characters '[]' are not allowed. However, it works with a host name.
Webservices	Full	-
BEA Tuxedo adapter	Full	-
Zengin adapter	Full	-
ConnectDirect	Full	Supports IPv6 on C:D UNIX 4.0 and C:D Windows 4.4.00
E5	Full	-
TIBCO adapter	Full	-
SNMP	Full	-
Transora adapter	Full	-
OFTP	Full	-
SAP Suite adapter	Unsupported	-
JGroups	Partial	Do not use IPV6 with JGroups on AIX

## Virtualization support

Sterling B2B Integrator supports Virtualization on many systems.

## Virtualization support for RISC-based systems

Operating system native clustering, partitioning, or virtualization are supported for all RISC-based platforms that Sterling B2B Integrator supports:

- AIX on P5 and above:
  - Partitioning/Virtualization PowerVM, LPAR, dLPAR
  - Clustering/Failover HACMP<sup>™</sup>
- HP-UX:
  - Partitioning/Virtualization Resource Partitions
  - Clustering/Failover MC/ServiceGuard
- Solaris:
  - Partitioning/Virtualization Containers and Zones (local and global)
- IBM iSeries/System i:
  - Partitioning/Virtualization PowerVM LPARS

**Attention:** IBM does not support Linux or Windows on virtualized RISC servers. Use caution when you use virtualization to avoid configuration or operations that change the IP addresses used by Sterling B2B Integrator. The mechanisms in this list are supported generally and the list does not imply that IBM uses these virtualization mechanisms internally.

## Virtualization support for x86/x64-based systems

IBM cannot maintain all possible combinations of virtualized platforms. However, IBM generally supports all enterprise class virtualization mechanisms, such as VMware ESX, VMware ESXi, VMware vSphere, Citrix Xen Hypervisor, KVM (Kernel-based virtual machine), and Microsoft Hyper-V Server.

#### Additional Considerations for RISC and x86/x64 architectures

IBM investigates and troubleshoots a problem until it is determined that the problem is due to virtualization. The following guidelines apply:

- If we suspect that a specific issue is happening because the system is virtualized
  and we cannot reproduce the problem on our non-virtualized environment, we
  will request that you demonstrate the issue to us in a live meeting session. IBM
  may also require that further troubleshooting be done jointly on your test
  environment, as we do not have all types and versions of VM software installed
  in-house.
- If we are unable to reproduce the issue in-house on a non-virtualized environment and troubleshooting together on your environment indicates that the issue is with the VM software itself, we will request that you open a Support ticket with the VM software provider. IBM is happy to meet with the provider and you to share any information we have which would help the provider further troubleshoot the issue on your behalf.
- If you chose to use virtualization, you must balance the virtualization benefits against its performance impacts. IBM does not provide advice regarding configuring, administering, or tuning virtualization platforms.

## **UNIX/Linux Requirements**

The topic covers the minimum system requirements and other information, needed to install and run Sterling B2B Integrator on a UNIX/Linux platform:

## **UNIX/Linux Host System**

There are minimum system requirements when installing Sterling B2B Integrator on a UNIX or Linux host system.

At a minimum, a UNIX/Linux host system requires:

- 4 GB RAM
- 15 GB free disk space
- File descriptor size of 2048 or greater (preferred setting is unlimited)
- X11 graphics libraries (required for reporting functionality)
- · Refer to the documentation you received with the database server to determine the minimum system requirements. It is recommended to run Sterling B2B Integrator and database on different servers.
- When using the Solaris server, Sterling B2B Integrator runs only on SPARC-based Solaris servers. Sterling B2B Integrator does not run on x86 (Intel)-based Solaris servers.
- When using the Red Hat or SUSE Linux server, Sterling B2B Integrator runs only on x64/x86-based Linux servers. However, Red Hat Enterprise Linux for IBM System z and SUSE Linux Enterprise Server (SLES) 11 System z are supported in Sterling B2B Integrator 5.2.4 or higher.
- File system space will be needed if you use 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.
- For perimeter server requirements, see Perimeter Server Requirements (UNIX/Linux and Windows).
- If you are using a graphical user interface (GUI) for your UNIX/Linux installation of Sterling B2B Integrator, you must install an X Window-compatible
- If you opt to store the files, additional system space is required.

## UNIX/Linux JDK Requirements

There are specific JDK requirements for installing Sterling B2B Integrator and (if applicable) a perimeter server on UNIX platform.

When you upgrade, use the following guidelines:

- If you are upgrading from Gentran Integration Suite 4.x or Sterling B2B Integrator 5.0 to Sterling B2B Integrator 5.2.0 - 5.2.4.1, upgrade the JDK version to 1.6.
- If you are upgrading from Gentran Integration Suite 4.x or Sterling B2B Integrator 5.0 to Sterling B2B Integrator 5.2.4.2, upgrade the JDK version to 1.6 or 1.7.
- If you are upgrading from Gentran Integration Suite 4.x or Sterling B2B Integrator 5.0 to Sterling B2B Integrator 5.2.5, upgrade the JDK version to 1.7.

The following table lists the UNIX/Linux JDK requirements. Follow these guidelines as you use this table:

- The two OS (operating system) columns indicate if the UNIX/Linux vendor supports a 32-bit or a 64-bit operating system.
- · 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)

Note: A JDK has more than one type of version number. For example, JDK 6.0 and JDK 1.6.0 are both names for the same JDK. Version 6.0 is used in marketing, documentation and other written communication. When you download the JDK, it

will be identified on the web page as Java SE Development Kit 6uxx. Version 1.6.0 is used in file names. The downloaded JDK file will use the name that appears in the JDK requirements table.

Operating System	JDK Requirements	32-Bit OS	64-Bit OS
Oracle Solaris 9 (SPARC only)	Oracle JDK 1.6.0_24 (64 bit) (Sterling B2B Integrator 5.2.0 - 5.2.4)	Not Supported	Yes
	Oracle JDK 1.6.0_31 (64 bit) or higher within 1.6.0_xx (Sterling B2B Integrator 5.2.4.1 only)		
	Hybrid IBM JDK 1.6.0 (64 bit) IBM build 1.6.0_51-b11 25_Jun_2013_06_36 solaris sparcv9 (SR14) or higher within 1.6.0_xx (Sterling B2B Integrator 5.2.4.2 only)		
	Hybrid IBM JDK 1.7.0 (64 bit) IBM build 1.7.0_25-b15 25_Jun_2013_12_45 solaris sparcv9(SR5) or higher within 1.7.0_xx (Sterling B2B Integrator 5.2.4.2 only)		
	Minimum Solaris patch requirements are:		
	• 113096-03		
	• 112963-25		
	• 111711-16		
	• 111712-16		
	• 113886-38		
	• 113887-38		
	• 112785-56		
	Hybrid IBM JDK 1.7.0 (64 bit) IBM build 1.7.0_65-b33 17_Jul_2014_08_36 solaris sparcv9(SR7 FP1) or higher within 1.7.0_xx (Sterling B2B Integrator 5.2.5 or higher)		

Operating System	JDK Requirements	32-Bit OS	64-Bit OS
Oracle Solaris 10 (SPARC only)	Oracle JDK 1.6.0_24 (64 bit) - Sterling B2B Integrator 5.2.0 - 5.2.4	Not Supported	Yes
	Oracle JDK 1.6.0_31 (64 bit) or higher within 1.6.0_xx (Sterling B2B Integrator 5.2.4.1 only)		
	Hybrid IBM JDK 1.6.0 (64 bit) IBM build 1.6.0_51-b11 25_Jun_2013_06_36 solaris sparcv9 (SR14) or higher within 1.6.0_xx (Sterling B2B Integrator 5.2.4.2 only)		
	Hybrid IBM JDK 1.7.0 (64 bit) IBM build 1.7.0_25-b15 25_Jun_2013_12_45 solaris sparcv9(SR5) or higher within 1.7.0_xx (Sterling B2B Integrator 5.2.4.2 only)		
	Minimum Solaris patch requirements are:		
	• 121133-02		
	• 120900-04		
	• 119254-27		
	• 119578-29		
	• 118822-30		
	• 118833-22		
	Hybrid IBM JDK 1.7.0 (64 bit) IBM build 1.7.0_65-b33 17_Jul_2014_08_36 solaris sparcv9(SR7 FP1) or higher with in 1.7.0_xx (Sterling B2B Integrator 5.2.5 or higher)		
Oracle Solaris 11 (SPARC only) (Sterling B2B Integrator 5.2.4.2 or	Hybrid IBM JDK 1.7.0 (64 bit) IBM build 1.7.0_25-b15 25_Jun_2013_12_45 solaris sparcv9(SR5) or higher within 1.7.0_xx (Sterling B2B Integrator 5.2.4.2 only)	Not Supported	Yes
higher)	The minimum Solaris patch requirements are the latest patch levels required by JDK 7.0.		
	Hybrid IBM JDK 1.7.0 (64 bit) IBM build 1.7.0_65-b33 17_Jul_2014_08_36 solaris sparcv9(SR7 FP1) or higher with in 1.7.0_xx (Sterling B2B Integrator 5.2.5 or higher)		

Operating System	JDK Requirements	32-Bit OS	64-Bit OS
AIX 5.3 (Sterling B2B IntegratorSterling	IBM AIX JDK 1.6.0 (64 bit) build pap6460sr8fp1-20100624_01(SR8 FP1) (Sterling B2B Integrator 5.2.0 - 5.2.4)	Not Supported	Yes
B2B Integrator 5.2.4.2 or lower only)	IBM AIX JDK 1.6.0 (64 bit) build pap6460sr8fp1-20100624_01(SR8 FP1) or higher within version 1.6.0 SR <i>x</i> FP <i>x</i> (Sterling B2B Integrator 5.2.4.1 only)		
	<b>Note:</b> You will need to run the Security updater tool - IZ94423_FIX_1.jar for JDK versions lower than SR9 FP1.		
	IBM AIX JDK 1.6.0 (64 bit) build pap6460sr14-20130705_01(SR14) or higher within version 1.6.0 SRx (Sterling B2B Integrator 5.2.4.2 only)		
	For minimum AIX OS requirements (via 'oslevel -r'), follow the minimum AIX support levels shown at: https://www.ibm.com/developerworks/java/jdk/aix/service.html		
AIX 6.1	IBM AIX JDK 1.6.0 (64 bit) build pap6460sr8fp1-20100624_01(SR8 FP1) (Sterling B2B Integrator 5.2.0 - 5.2.4)	Not Supported	Yes
	IBM AIX JDK 1.6.0 (64 bit) build pap6460sr8fp1-20100624_01(SR8 FP1) or higher within version 1.6.0 SRx FPx (Sterling B2B Integrator 5.2.4.1 only)		
	Note: You will need to run the Security updater tool - IZ94423_FIX_1.jar for JDK versions lower than SR9 FP1.		
	IBM AIX JDK 1.6.0 (64 bit) build pap6460sr14-20130705_01(SR14) or higher within version 1.6.0 SRx (Sterling B2B Integrator 5.2.4.2 only)		
	IBM AIX JDK 1.7.0 (64 bit) build pap6470sr5-20130619_01(SR5) or higher within version 1.7.0 SRx (Sterling B2B Integrator 5.2.4.2 only)		
	IBM AIX JDK 1.7.0 (64 bit) build pap6470sr7fp1-20140708_01(SR7 FP1) or higher within version 1.7.0 SRx (Sterling B2B Integrator 5.2.5 or higher)		
	For minimum AIX OS requirements (via 'oslevel -r'), follow the minimum AIX support levels shown at: https://www.ibm.com/developerworks/java/jdk/aix/service.html		

Operating System	JDK Requirements	32-Bit OS	64-Bit OS
AIX 7.1 (Sterling B2B Integrator 5.2.4.1 or higher)	IBM AIX JDK 1.6.0 (64 bit) build pap6460sr8fp1-20100624_01(SR8 FP1) or higher within version 1.6.0 SRx FPx (Sterling B2B Integrator 5.2.4.1 only)  Note: You will need to run the Security updater tool - IZ94423_FIX_1.jar.  IBM AIX JDK 1.6.0 (64 bit) build pap6460sr14-20130705_01(SR14) or higher within version 1.6.0 SRx (Sterling B2B Integrator 5.2.4.2 only)  IBM AIX JDK 1.7.0 (64 bit) build pap6470sr5-20130619_01(SR5) or higher within version 1.7.0 SRx (Sterling B2B Integrator 5.2.4.2 only)  IBM AIX JDK 1.7.0 (64 bit) build pap6470sr5-20130619_01(SR5) or higher within version 1.7.0 SRx (Sterling B2B Integrator 5.2.4.2 only)  IBM AIX JDK 1.7.0 (64 bit) build pap6470sr7fp1-20140708_01(SR7 FP1) or higher within version 1.7.0 SRx (Sterling B2B Integrator 5.2.5 or higher)  For minimum AIX OS requirements (via 'oslevel -r'), follow the minimum AIX support levels shown at:	Not Supported	Yes
	https://www.ibm.com/developerworks/ java/jdk/aix/service.html		

Operating System	JDK Requirements	32-Bit OS	64-Bit OS
HP-UX 11.23	HP-UX JDK 1.6.0_04 (64-bit) (Sterling B2B	Not	Yes
(PA-RISC or	Integrator 5.2.0 - 5.2.4)	Supported	
Itanium); also known		**	
as HP-UX 11i v2	HP-UX JDK 1.6.0_04 (64-bit) or higher		
	within version 1.6.0_xx (Sterling B2B		
HP-UX 11.31	Integrator 5.2.4.1 only)		
(PA-RISC or	<b>Note:</b> You will need to run the Security		
Itanium); also known as HP-UX 11i v3	updater tool - fpupdater tool 1.0.		
	Hybrid IBM JDK 1.6.0 (64 bit) IBM build		
Attention: PA-RISC	1.6.0.20-jinteg_20_jun_2013_10_03-b00		
is not supported in	24_Jul_2013_18_47 hpux IA64W (SR14) or		
Sterling B2B	higher within 1.6.0_xx (Sterling B2B		
Integrator 5.2.5.	Integrator 5.2.4.2 only)		
	Hybrid IBM JDK 1.7.0 (64 bit) IBM build		
	1.7.0.07-jinteg_2013_07_11_08_03-b00		
	24_Jul_2013_14_49 hpux IA64W(SR5) or		
	higher within 1.7.0_xx (Sterling B2B		
	Integrator 5.2.4.2 only)		
	Hybrid IBM JDK 1.7.0 (64 bit) IBM build		
	1.7.0.10-jinteg_2014_07_23_03_53-b00		
	26_Aug_2014_09_50 hpux IA64W(SR7 FP1)		
	or higher with in 1.7.0_xx (Sterling B2B		
	Integrator 5.2.5 or higher)		
	,		
	Patch requirements and Kernel parameters		
	as determined by the HPJconfig utility and		
	their chart located at:		
	http://ftp.hp.com/pub/softlib/hpuxjava-		
	http://ftp.hp.com/pub/softlib/hpuxjava- patchinfo/index.html		

Operating System	JDK Requirements	32-Bit OS	64-Bit OS
Red Hat Enterprise Linux Release 5.5 (x64/x86 64-bit kernel only)	IBM JDK 1.6.0 SR8 FP1 (64 bit) build pxa6460sr8fp1-20100624_01(SR8 FP1) (Sterling B2B Integrator 5.2.0 - 5.2.4)  Note: You will need to run the Security updater tool - IZ94423_FIX_1.jar.	Not Supported	Yes
	IBM JDK 1.6.0 SR8 FP1 (64 bit) build pxa6460sr8fp1-20100624_01(SR8 FP1) or higher within version 1.6.0 SR <i>x</i> FP <i>x</i> (Sterling B2B Integrator 5.2.4.1 only) <b>Note:</b> You will need to run the Security updater tool - IZ94423_FIX_1.jar.		
	IBM JDK 1.6.0 (64 bit) build pxa6460sr14-20130705_01(SR14) or higher within version 1.6.0 SR <i>x</i> (Sterling B2B Integrator 5.2.4.2 only)		
	IBM JDK 1.7.0 (64 bit) build pxa6470sr5-20130619_01(SR5) or higher within version 1.7.0 SR <i>x</i> (Sterling B2B Integrator 5.2.4.2 only)		
	IBM JDK 1.7.0 (64 bit) build pxa6470sr7fp1-20140708_01(SR7 FP1) or higher within version 1.7.0 SR <i>x</i> (Sterling B2B Integrator 5.2.5 or higher)		
	JDK was certified by IBM on the GA release of RHEL5. Recommend patching RHEL to the current patch level.		
	Minimum kernel version: 2.6.18-164.2.1.el5		
	Minimum glibc version: 2.5-42		

Operating System	JDK Requirements	32-Bit OS	64-Bit OS
Red Hat Enterprise Linux Server Release 6.1 or higher x64, 64-bit Kernel	IBM JDK 1.6.0 SR9 FP2 (64 bit) build pxa6460sr9fp2-20110625_01(SR9 FP2) (Sterling B2B Integrator 5.2.4 only)	Not Supported	Yes
(Sterling B2B Integrator 5.2.4 or higher)	IBM JDK 1.6.0 SR9 FP2 (64 bit) build pxa6460sr9fp2-20110625_01(SR9 FP2) or higher within version 1.6.0 SR <i>x</i> FP <i>x</i> (Sterling B2B Integrator 5.2.4.1 only)		
	IBM JDK 1.6.0 (64 bit) build pxa6460sr14-20130705_01(SR14) or higher within version 1.6.0 SR <i>x</i> (Sterling B2B Integrator 5.2.4.2 only)		
	IBM JDK 1.7.0 (64 bit) build pxa6470sr5-20130619_01(SR5) or higher within version 1.7.0 SRx (Sterling B2B Integrator 5.2.4.2 only)		
	IBM JDK 1.7.0 (64 bit) build pxa6470sr7fp1-20140708_01(SR7 FP1) or higher within version 1.7.0 SR <i>x</i> (Sterling B2B Integrator 5.2.5 or higher)		
	JDK was certified by IBM on the GA release of RHEL6. Recommend patching RHEL to the current patch level.		
	Minimum kernel version: 2.6.18-164.2.1.el5 or higher within version 2.x.		
	Minimum glibc version: 2.5-42		

Operating System	JDK Requirements	32-Bit OS	64-Bit OS
Red Hat Enterprise	IBM JDK 1.6.0 SR9 FP2 (64 bit) build	Not	Yes
Linux 5.5 for IBM	pxz6460sr9fp2-20110625_01(SR9 FP2)	Supported	
System z (Sterling	(Sterling B2B Integrator 5.2.4 only)		
B2B Integrator 5.2.4			
or higher)	IBM JDK 1.6.0 SR9 FP2 (64 bit) build		
	pxz6460sr9fp2-20110625_01(SR9 FP2) or		
	higher within version 1.6.0 SRx FPx		
	(Sterling B2B Integrator 5.2.4.1 only)		
	IBM JDK 1.6.0 (64 bit) build		
	pxz6460sr14-20130705_01(SR14) or higher		
	within version 1.6.0 SRx (Sterling B2B		
	Integrator 5.2.4.2 only)		
	IBM JDK 1.7.0 (64 bit) build		
	pxz6470sr5-20130619_01(SR5) or higher		
	within version 1.7.0 SRx (Sterling B2B		
	Integrator 5.2.4.2 only)		
	IBM JDK 1.7.0 (64 bit) build		
	pxz6470sr7fp1-20140708_01(SR7 FP1) or		
	higher within version 1.7.0 SRx (Sterling		
	B2B Integrator 5.2.5 or higher)		
	JDK was certified by IBM on the GA		
	release of RHEL. Recommend patching		
	RHEL to the current patch level.		
	•		
	Minimum kernel version: 2.6.18-164.2.1.el5		
	Minimum glibc version: 2.5-42		

Operating System	JDK Requirements	32-Bit OS	64-Bit OS
Red Hat Enterprise Linux 6.1 or higher for IBM System z (Sterling B2B Integrator 5.2.4 or higher)	IBM JDK 1.6.0 SR9 FP2 (64 bit) build pxz6460sr9fp2-20110625_01(SR9 FP2) (Sterling B2B Integrator 5.2.4 only)  IBM JDK 1.6.0 SR9 FP2 (64 bit) build pxz6460sr9fp2-20110625_01(SR9 FP2) or higher within version 1.6.0 SRx FPx (Sterling B2B Integrator 5.2.4.1 only)  IBM JDK 1.6.0 (64 bit) build pxz6460sr14-20130705_01(SR14) or higher within version 1.6.0 SRx (Sterling B2B Integrator 5.2.4.2 only)  IBM JDK 1.7.0 (64 bit) build pxz6460sr14-20130705_01(SR14) or higher within version 1.6.0 SRx (Sterling B2B Integrator 5.2.4.2 only)  IBM JDK 1.7.0 (64 bit) build pxz6470sr5-20130619_01(SR5) or higher within version 1.7.0 SRx (Sterling B2B Integrator 5.2.4.2 only)  IBM JDK 1.7.0 (64 bit) build pxz6470sr7fp1-20140708_01(SR7 FP1) or higher within version 1.7.0 SRx (Sterling B2B Integrator 5.2.5 or higher)  JDK was certified by IBM on the GA release of RHEL. Recommend patching RHEL to the current patch level.  Minimum kernel version: 2.6.18-164.2.1.el5	Not Supported	Yes
	or higher within version 2. <i>x</i> .  Minimum glibc version: 2.5-42		

Operating System	JDK Requirements	32-Bit OS	64-Bit OS
SUSE Linux Enterprise Server (SLES) 10 (x64/x86 64-bit kernel only).  SUSE Linux Enterprise Server (SLES) 11 (x64/x86 64-bit kernel only).	JDK Requirements  IBM JDK 1.6.0 SR8 FP1 (64 bit) build pxa6460sr8fp1-20100624_01(SR8 FP1) (Sterling B2B Integrator 5.2.0 - 5.2.4)  Note: You will need to run the Security updater tool - IZ94423_FIX_1.jar.  IBM JDK 1.6.0 SR8 FP1 (64 bit) build pxa6460sr8fp1-20100624_01(SR8 FP1) or higher within version 1.6.0 SRx FPx (Sterling B2B Integrator 5.2.4.1 only)  Note: You will need to run the Security updater tool - IZ94423_FIX_1.jar.  IBM JDK 1.6.0 (64 bit) build pxa6460sr14-20130705_01(SR14) or higher within version 1.6.0 SRx (Sterling B2B Integrator 5.2.4.2 only)  IBM JDK 1.7.0 (64 bit) build pxa6470sr5-20130619_01(SR5) or higher within version 1.7.0 SRx (Sterling B2B Integrator 5.2.4.2 only)  IBM JDK 1.7.0 (64 bit) build pxa6470sr7fp1-20140708_01(SR7 FP1) or higher within version 1.7.0 SRx (Sterling B2B Integrator 5.2.5 or higher)  JDK was certified by IBM on the GA release of SLES 1x. Recommend patching SLES to the current patch level.  Minimum kernel version:	Not Supported	Yes
	2.6.16.60-0.42.5-smp or higher within version 2.x.  Minimum glibc version: 2.4-31.61		

Operating System	JDK Requirements	32-Bit OS	64-Bit OS
SUSE Linux Enterprise Server (SLES) 11 System z (Sterling B2B Integrator 5.2.4 or higher)	IBM JDK 1.6.0 SR9 FP2 (64 bit) build pxz6460sr9fp2-20110625_01(SR9 FP2) (Sterling B2B Integrator 5.2.4 only)  IBM JDK 1.6.0 SR9 FP2 (64 bit) build pxz6460sr9fp2-20110625_01(SR9 FP2) or higher within version 1.6.0 SRx FPx (Sterling B2B Integrator 5.2.4.1 only)  IBM JDK 1.6.0 (64 bit) build pxz6460sr14-20130705_01(SR14) or higher within version 1.6.0 SRx (Sterling B2B	Not Supported	Yes
	Integrator 5.2.4.2 only)  IBM JDK 1.7.0 (64 bit) build pxz6470sr5-20130619_01(SR5) or higher within version 1.7.0 SRx (Sterling B2B Integrator 5.2.4.2 only)  IBM JDK 1.7.0 (64 bit) build pxz6470sr7fp1-20140708_01(SR7 FP1) or higher within version 1.7.0 SRx (Sterling B2B Integrator 5.2.5 or higher)		
	JDK was certified by IBM on the GA release of SLES 11. Recommend patching SLES to the current patch level.  Minimum kernel version: 2.6.18-164.2.1.el5 or higher within version 2.x  Minimum glibc version: 2.5-42		

## **Downloading JDKs (V5.2.4.2 or later)**

You may need to download and install software not provided with Sterling B2B Integrator.

JDKs and JREs for Windows, HP and Solaris platforms are available in the fix pack download or new product media.

JDKs for AIX and Linux can be downloaded from developerWorks (http://www.ibm.com/developerworks/java/jdk/)

If you need to upgrade your JDK from a previous version used with Sterling B2B Integrator that is no longer supported, see the following topics:

- http://www.ibm.com/support/knowledgecenter/SS3JSW\_5.2.0/ com.ibm.help.upgrade\_win\_clus\_523.doc/ UpgradeJDK\_Windows\_UNIX.htmlUpgrading your JDK (Windows and UNIX)
- Updating your JDK on iSeries

#### **Downloading the AIX JDK (5.2.4.1 and earlier)**

Access the correct AIX JDK for your installation by first referring to the system requirements and then by downloading the correct JDK.

#### About this task

**Attention:** This procedure applies to only Sterling B2B Integrator release 5.2.4.1 and earlier. To download the AIX JDK for release 5.2.4.2, see the Release Notes for that release.

#### **Procedure**

- 1. Determine the JDK that you need for your installation. See "UNIX/Linux JDK Requirements" on page 11.
- 2. Open the main AIX download web page at http://www.ibm.com/ developerworks/java/jdk/aix/service.html.
- 3. Click open the Java SE Version 6 section.
- 4. Click **Download now** for the 64-bit platform.
- 5. Complete the following information and click **I confirm**:
  - Business contact information
  - Privacy
  - License
- 6. On the Downloads page, click 64-bit Java 6 SDK GA base images (at 6.0.0.1 level; in installp format).
- 7. Click **Download now** to download the **Base SDK (required)** package.
- 8. Apply the patch to the GA installation to get it up to SR8 FP1 by going back to the main AIX download page: http://www.ibm.com/developerworks/ java/jdk/aix/service.html
- 9. Click open the **Java SE Version 6** section.
- 10. Click **Fix Info** for the 64-bit platform.
- 11. Under the Service Refresh column, click SR8FP1.
- 12. On the Download options page, select Download using your browser (HTTP).
- 13. Select your AIX operating system level from the drop-down list.
- 14. Click Continue.
- 15. Click Java6\_64.sdk.6.0.0.215.bff (141.2 MB) to download the patch file.
- 16. Install the base JDK that you downloaded in Step 6.
- 17. Install the JDK patch file that you downloaded in Step 15.
- 18. After the installation of the base JDK and patch files, check the Java<sup>™</sup> version by running the following command:
  - /usr/java6 64/bin/java -version
  - The version output must show '(SR8 FP1)'.
- 19. Apply the Floating Point fix utility tool to address Oracle security alert CVE-2010-4476:
  - a. Download the IBM Update Installer utility from the web site ftp://ftp.software.ibm.com/software/java/support/tools/updateinstaller/ UpdateInstallerforJava.zip For more information about applying the Floating Point fix utilities to address Oracle security alert CVE-2010-4476, see: http:///www.ibm.com/developerworks/java/jdk/alerts/cve-2010-4476.html
  - b. Download the IBM Update Installer utility from the web site ftp://ftp.software.ibm.com/software/java/support/tools/updateinstaller/ UpdateInstallerforJava.zip

- c. Download the patch file for Java 6 on AIX from the web site ftp://ftp.software.ibm.com/software/java/support/tools/updateinstaller/ IZ94423\_FIX\_1.jar
- d. Download the test utility to confirm that your JDK has been patched from the web site ftp://ftp.software.ibm.com/software/java/support/tools/ updateinstaller/ParseDoubleTest.jar
- e. Extract the UpdateInstallerforJava.zip file.
- f. Enter the following command to run the IBM Update Installer utility: /usr/java6 64/bin/java -jar /path/unzipped/JavaUpdateInstaller.jar -install /path/IZ94423 FIX 1.jar /usr/java6 64
- g. Enter the following command to verify that the patch was applied: /usr/java6 64/bin/java -jar /path/ParseDoubleTest.jar

### Downloading the Linux JDK (5.2.4.1 and earlier)

Access the correct Linux JDK for your installation by first referring to the system requirements and then by downloading the correct JDK.

#### About this task

**Attention:** This procedure applies to only Sterling B2B Integrator release 5.2.4.1 and earlier. To download the Linux JDK for release 5.2.4.2, see the Release Notes for that release.

#### **Procedure**

- 1. Determine the JDK that you need for your installation. See "UNIX/Linux JDK Requirements" on page 11.
- 2. Go to the IBM Linux JDK download page at Java 6.
- 3. Select the appropriate IDK.
- 4. Click Continue.
- 5. Complete the Privacy, License, and any other sections and click I confirm.
- 6. On the Downloads page, in the SDK section, download your SDK package by one of the available methods.
- 7. (Version 6 SR8-FP1 only) Apply the Floating Point fix utility tool to address Oracle security alert CVE-2010-4476:
  - a. Download the IBM Update Installer utility from the website ftp://ftp.software.ibm.com/software/java/support/tools/updateinstaller/ UpdateInstallerforJava.zip.
    - For more information about applying the Floating Point fix utilities to address Oracle security alert CVE-2010-4476, see the website http://www.ibm.com/developerworks/java/jdk/alerts/cve-2010-4476.html
  - b. Download the patch file for Java 6 from the website ftp:// ftp.software.ibm.com/software/java/support/tools/updateinstaller/ IZ94423\_FIX\_1.jar
  - c. Download the test utility to confirm that your JDK has been patched from the website ftp://ftp.software.ibm.com/software/java/support/tools/ updateinstaller/ParseDoubleTest.jar
  - d. Extract the UpdateInstallerforJava.zip file.
  - e. Enter the following command to run the IBM Update Installer utility:
    - /path/ibm-java-x86 64-60/bin/java
    - -jar /path/to/unzipped/JavaUpdateInstaller.jar
    - -install /path/IZ94423\_FIX\_1.jar /path/ibm-java-x86\_64-60
  - f. Enter the following command to verify that the patch was applied:

### Downloading the HP-UX JDK (5.2.4.1 and earlier)

Access the correct HP-UX JDK for your installation by first referring to the system requirements and then by downloading the correct JDK.

#### About this task

**Attention:** This procedure applies to only Sterling B2B Integrator release 5.2.4.1 and earlier. To download the HP-UX JDK for release 5.2.4.2, see the Release Notes for that release.

#### **Procedure**

- 1. Determine the JDK that you need for your installation. See "UNIX/Linux JDK Requirements" on page 11.
- 2. Go to the main HP-UX Java 6 download page at JDK, JRE, and Plug-In 6.0.x Downloads and Documentation.
- 3. In the JDK/JRE 6.0.x Downloads section, click the link for the required version.
- 4. Sign in to the HP website.
- 5. Select the required JDK version.
- 6. Complete the forms and click **Next**.
- 7. Click **Get Software** for the packages you selected.
- 8. Select each product in the list and then click **Download Directly** >> for each product.
- 9. Install the Processor-specific depo into the /opt/java6 directory onto your
- 10. Apply the Floating Point fix utility tool to address Oracle security alert CVE-2010-4476:
  - a. Go to the website https://h20392.www2.hp.com/portal/swdepot/ try.do?productNumber=FPUPDATER.
    - For information on applying the Floating Point fix utility tool to address Oracle security alert CVE-2010-4476, see FPUpdater Tool Download and
  - b. Complete the form, and sign in to the HP website if needed.
  - c. Click Get Software.
  - d. Click Download Directly >>.
  - e. Extract the fpupdater-1 0.zip file.
  - f. Enter the following command to patch the JDK: /opt/java6/bin/java -jar /path/fpupdater/fpupdater.jar -u -v
  - g. Enter the following command to verify that the patch was applied: /opt/java6/bin/java -jar /path/fpupdater/fpupdater.jar -t -v

#### Downloading the Solaris patches and JDK

Access the correct Solaris files for your installation by first referring to the Oracle and Sterling B2B Integrator system requirements and then by downloading the correct files.

#### About this task

**Attention:** The JDK part of this procedure applies to only Sterling B2B Integrator V5.2.4.1 or earlier. To download the Solaris JDK for V5.2.4.2 or later see "Downloading JDKs (V5.2.4.2 or later)" on page 22.

#### **Procedure**

- 1. Download the Solaris patch files:
  - a. Go to the website https://support.oracle.com/epmos/faces/PatchHome.
  - b. Follow the instructions that are provided and sign in using your Oracle support account login.
  - c. Download the appropriate patches for your Solaris version.
- 2. Download the JDK file (5.2.4.1 and earlier):
  - a. Determine the JDK that you need for your installation. See "UNIX/Linux JDK Requirements" on page 11.
  - b. Go to the website http://www.oracle.com/technetwork/java/javase/downloads/index.html.
  - c. In the Previous Releases Java Archive section, click Download.
  - d. Click Java SE 6.
  - e. Click the **Java SE Development Kit** link for the version that you need. For example, for Oracle JDK 1.6.0\_24, click **Java SE Development Kit 6u24**.
  - f. Click Accept License Agreement.
  - g. Click the .sh file link for your version of Solaris to start the download. For example, for the Oracle Solaris 9 (SPARC only) operating system, click jdk-6u24-solaris-sparcv9.sh.

## **Windows Requirements**

There are minimum system requirements, and other information, needed to install and run Sterling B2B Integrator on a Windows platform.

## Windows Client System

There are minimum system requirements needed to install and run Sterling B2B Integrator using a Windows client system.

At a minimum, a Windows client system requires:

- · CD-ROM drive
- Pentium® or equivalent processor
- 400 MHz processor speed
- Color VGA or SVGA monitor
- Supported browser. See "Web Browser Requirements" on page 36 for a complete listing.
- 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

## Windows Server Host System

There are minimum system requirements necessary to install and run Sterling B2B Integrator on a Windows server host system.

At a minimum, a Windows Server host system requires:

- 4 GB RAM
- 15 GB free disk space
- Pentium III 1.3 GHz
- Refer to the documentation you received with the database server to determine the minimum system requirements.
  - It is recommended to run Sterling B2B Integrator and database on different servers except for DB2 (bundled with iSeries) database.
- File system space, if you use 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.
- For perimeter server requirements, see Perimeter Server Requirements (UNIX/Linux and Windows).

## Windows JDK Requirements

There are minimum JDK requirements for installing Sterling B2B Integrator on the Windows platform.

The two OS (operating system) columns indicate if the Windows vendor has a 32-bit or a 64-bit operating system.

A JDK has more than one type of version number. For example, JDK 6.0 and JDK 1.6.0 are both names for the same IDK. Version 6.0 is used in marketing, documentation and other written communication. When you download the JDK, it will be identified on the web page as Java SE Development Kit 6uxx. Version 1.6.0 is used in file names. The downloaded JDK file will use the name that appears in the IDK requirements table.

Use the following guidelines when downloading the Windows JDK:

- (Sterling B2B Integrator 5.2.0 5.2.4.1) Download all Oracle JDK versions from http://www.oracle.com/technetwork/java/javasebusiness/downloads/javaarchive-downloads-javase6-419409.html.
- (Sterling B2B Integrator 5.2.3) If you plan to integrate with WebSphere Transformation Extender (WTX) and require an IBM JDK, open a Problem Management Report (PMR) with IBM Customer Support to request the necessary IBM JDK.
- (Sterling B2B Integrator 5.2.4.2 or later) See "Downloading JDKs (V5.2.4.2 or later)" on page 22.

Windows Server	JDK Requirements	32-Bit OS	64-Bit OS
Microsoft Windows Server 2003 Standard or Enterprise Edition R2	Oracle JDK 1.6.0_24 (32-bit) (Sterling B2B Integrator 5.2.0 - 5.2.4)	Yes	No
SP2 (32-bit) (Sterling B2B Integrator 5.2.4.0 - 5.2.4.2 only)	Oracle JDK 1.6.0_31 (32-bit) or higher within version 1.6.0_xx (Sterling B2B Integrator 5.2.4.1 only)		
	or		
	IBM JDK 1.6.0 SR9 FP2 (32 bit) build pwi3260sr9fp2-20110625_01(SR9 FP2) (Sterling B2B Integrator 5.2.3 - 5.2.4)		
	IBM JDK 1.6.0 SR9 FP2 (32 bit) build pwi3260sr9fp2-20110625_01(SR9 FP2) or higher within version 1.6.0 SR <i>xx</i> FP <i>xx</i> (Sterling B2B Integrator 5.2.4.1 only)		
	IBM JDK 1.6.0 SR14 (32 bit) or higher within version 1.6.0 SRxx (Sterling B2B Integrator 5.2.4.2 only)		
	IBM JDK 1.7.0 SR05 (32 bit) or higher within version 1.7.0 SRxx (Sterling B2B Integrator 5.2.4.2 only)		
Microsoft Windows Server 2008 Standard or	Oracle JDK 1.6.0_24 (64-bit) (Sterling B2B Integrator 5.2.0 - 5.2.4 only)	No	Yes
Enterprise Edition R2 (64-bit)	Oracle JDK 1.6.0_31 (64-bit) or higher within version 1.6.0_xx (Sterling B2B Integrator 5.2.4.1 only)		
	or		
	IBM JDK 1.6.0 SR9 FP2 (64 bit) build pwa6460sr9fp2-20110625_01(SR9 FP2) (Sterling B2B Integrator 5.2.3 - 5.2.4 only)		
	IBM JDK 1.6.0 SR9 FP2 (64 bit) build pwa6460sr9fp2-20110625_01(SR9 FP2) or higher within version 1.6.0 SRxx FPxx (Sterling B2B Integrator 5.2.4.1 only)		
	IBM JDK 1.6.0 SR14 (64 bit) build pwa6460sr14-20130705_01(SR14) or higher within version 1.6.0 SRxx (Sterling B2B Integrator 5.2.4.2 only)		
	IBM JDK 1.7.0 SR05 (64 bit) build pwa6470sr5-20130619_01(SR5) or higher within version 1.7.0 SRxx (Sterling B2B Integrator 5.2.4.2 only)		
	IBM JDK 1.7.0 SR7 FP1 (64 bit) build pwa6470sr7fp1-20140712_01(SR7 FP1) or higher within version 1.7.0 SRxx (Sterling B2B Integrator 5.2.5 or higher)		

Windows Server	JDK Requirements	32-Bit OS	64-Bit OS
Microsoft Windows	IBM JDK 1.7.0 SR8 FP10 (64 bit)	No	Yes
Server 2012 Standard	build pwa6470sr8fp10ifix-		
Edition R2 64-bit,	20150313_01 (SR8 FP10) or higher		
including any patches or	within version 1.7.0 SRxx (Sterling		
service packs. (Requires	B2B Integrator 5.2.5 or higher)		
Sterling B2B Integrator			
V5.2.5, using the Sterling			
B2B Integrator V5.2.5			
installation media			
released in April 2015,			
or higher.)			

## iSeries Requirements

There are minimum system requirements, and other information, needed to install and run Sterling B2B Integrator on n iSeries platform.

Note: Sterling B2B Integrator on iSeries uses the DB2 that is included in IBM i.

## iSeries Hardware

There are minimum iSeries hardware requirements necessary to install and run Sterling B2B Integrator on an iSeries platform.

These system requirements are based on Sterling B2B Integrator being the only application running on the system.

- CPU 1000 CPW (POWER5 or newer processors recommended)
- 4 GB memory (in a private (non-shared) pool dedicated to Sterling B2B Integrator)
- 20 GB DASD (Required for Sterling B2B Integrator 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.

## iSeries Software

There are minimum iSeries software requirements necessary to install and run Sterling B2B Integrator on an iSeries platform.

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

iSeries System	iSeries Software
i5/OS V5R4	• 5722-SS1 i5/OS V5R4
(Sterling B2B Integrator 5.2.0 - 5.2.4.1 only.)  New installations using the Sterling B2B Integrator 5.2.4 installation media released in December 2013 or later are not supported on an IBM i V5R4 operating system.  Not supported in Sterling B2B Integrator 5.2.4.2 or higher. When patching up to 5.2.4.2, you must apply the patch on your V5R4 operating system, but then immediately upgrade your system to IBM i V6R1 or V7R1, or physically move your Sterling B2B Integrator instance to a system using IBM i V6R1 or V7R1.	<ul> <li>5722-SS1 i5/OS V5R4</li> <li>5722-SS1 Option 30 Qshell Interpreter</li> <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 10 Java Developer Kit 6</li> <li>5722-XE1 *BASE IBM eServer iSeries Access for Windows</li> <li>5799-PTL IBM Tools for Developers for i5/OS</li> <li>PTF Groups <ul> <li>SF99540 (Cumulative PTF package) Level 11137</li> <li>SF99539 (Group Hiper) Level 160</li> <li>SF99504 (DB2 for IBM i) Level 31</li> <li>SF99291 (JAVA) Level 27</li> </ul> </li> </ul>
IBM i V6R1  (Sterling B2B Integrator 5.2.0 - 5.2.4.1 only, installed using the Sterling B2B Integrator 5.2.4 installation media released in December 2013.)	<ul> <li>5761-SS1 IBM i V6R1</li> <li>5761-SS1 Option 30 Qshell Interpreter</li> <li>5761-SS1 Option 33 PASE (Portable Application Solutions Environment)</li> <li>5761-TC1 *BASE IBM TCP/IP Connectivity Utilities for i</li> <li>5761-JV1 *BASE IBM Developer Kit for Java</li> <li>5761-JV1 Option 10 Java Developer Kit 6</li> <li>5722-XE1 *BASE IBM System i Access for Windows</li> <li>5799-PTL IBM Tools for Developers for i</li> <li>PTF Groups <ul> <li>SF99610 (Cumulative PTF package) Level 11102</li> <li>SF99609 (Group Hiper) Level 97</li> <li>SF99601 (DB2 for IBM i) Level 20</li> <li>SF99562 (JAVA) Level 16</li> </ul> </li> </ul>

iSeries System	iSeries Software
IBM i V6R1  (Sterling B2B Integrator patched to 5.2.4.2 only. New installations using the Sterling B2B Integrator 5.2.4 installation media released in December 2013 or higher.)	<ul> <li>5761-SS1 IBM i V6R1</li> <li>5761-SS1 Option 30 Qshell Interpreter</li> <li>5761-SS1 Option 33 PASE (Portable Application Solutions Environment)</li> <li>5761-TC1 *BASE IBM TCP/IP Connectivity Utilities for i</li> <li>5761-JV1 *BASE IBM Developer Kit for Java</li> <li>5761-JV1 Option 12 Java SE 6 64 bit</li> <li>5722-XE1 *BASE IBM System i Access for Windows</li> <li>5799-PTL IBM Tools for Developers for i</li> <li>PTF Groups <ul> <li>SF99610 (Cumulative PTF package) Level 13058</li> <li>SF99609 (Group Hiper) Level 155</li> <li>SF99601 (DB2 for IBM i) Level 29</li> <li>SF99562 (JAVA) Level 25</li> </ul> </li> </ul>
IBM i V7R1  (Sterling B2B Integrator 5.2.3 - 5.2.4.1 only, installed using the Sterling B2B Integrator 5.2.4 installation media released in December 2013.)	<ul> <li>5770-SS1 IBM i V7R1</li> <li>5770-SS1 Option 30 Qshell</li> <li>5770-SS1 Option 33 PASE (Portable Application Solutions Environment)</li> <li>5770-SS1 Option 43 Additional Fonts</li> <li>5770-TC1 *BASE IBM TCP/IP Connectivity Utilities for i</li> <li>5761-JV1 *BASE IBM Developer Kit for Java</li> <li>5761-JV1 Option 12 Java SE 6 64 bit</li> <li>5770-XE1 *BASE IBM i Access for Windows</li> <li>5799-PTL IBM Tools for Developers for i</li> <li>PTF Groups <ul> <li>SF99710 (Cumulative PTF package) Level 11116</li> <li>SF99709 (Group Hiper) Level 32</li> <li>SF99572 (JAVA) Level 5 (Do not exceed Level 7 of this PTF group.)</li> </ul> </li> </ul>
IBM i V7R1  (Sterling B2B Integrator 5.2.4.2 only. This includes new installations using the Sterling B2B Integrator 5.2.4 installation media released in December 2013 or higher.)	<ul> <li>5770-SS1 IBM i V7R1</li> <li>5770-SS1 Option 30 Qshell</li> <li>5770-SS1 Option 33 PASE (Portable Application Solutions Environment)</li> <li>5770-SS1 Option 43 Additional Fonts</li> <li>5770-TC1 *BASE IBM TCP/IP Connectivity Utilities for i</li> <li>5761-JV1 *BASE IBM Developer Kit for Java</li> <li>5761-JV1 Option 12 Java SE 6 64 bit (If using J9 JDK 1.6)</li> <li>5761-JV1 Option 15 Java SE 7 64 bit (If using J9 JDK 1.7)</li> <li>5770-XE1 *BASE IBM i Access for Windows</li> <li>5799-PTL IBM Tools for Developers for i</li> <li>PTF Groups</li> <li>SF99709 (Group Hiper) Level 93</li> <li>SF99701 (DB2 for IBM i) Level 25</li> <li>SF99572 (JAVA) Level 14</li> </ul>

iSeries System	iSeries Software
iSeries System  IBM i V7R1 (Sterling B2B Integrator 5.2.5 or higher)	<ul> <li>iSeries Software</li> <li>5770-SS1 IBM i V7R1</li> <li>5770-SS1 Option 30 Qshell</li> <li>5770-SS1 Option 33 PASE (Portable Application Solutions Environment)</li> <li>5770-SS1 Option 43 Additional Fonts</li> <li>5770-TC1 *BASE IBM TCP/IP Connectivity Utilities for i</li> <li>5761-JV1 *BASE IBM Developer Kit for Java</li> <li>5761-JV1 Option 15 Java SE 7 64 bit (If using J9 JDK 1.7)</li> <li>5770-XE1 *BASE IBM i Access for Windows</li> <li>5799-PTL IBM Tools for Developers for i</li> <li>PTF Groups <ul> <li>SF99710 (Cumulative PTF package) Level 14143</li> <li>SF99709 (Group Hiper) Level 120</li> </ul> </li> </ul>
	- SF99701 (DB2 for IBM i) Level 30 - SF99572 (JAVA) Level 18
IBM i V7R2 (Sterling B2B Integrator 5.2.5 or higher)	<ul> <li>5770-SS1 IBM I V7R2</li> <li>5770-SS1 Option 30 Qshell</li> <li>5770-SS1 Option 33 PASE (Portable Application Solutions Environment)</li> <li>5770-SS1 Option 43 Additional Fonts</li> <li>5770-TC1 *BASE IBM TCP/IP Connectivity Utilities for i</li> <li>5770-JV1 *BASE IBM Developer Kit for Java</li> <li>5770-JV1 Option 15 Java SE 7 64 bit</li> <li>5770-XE1 *BASE IBM i Access for Windows</li> <li>5799-PTL IBM Tools for Developers for i</li> <li>PTF Groups  – SF99720 (Cumulative PTF package) Level 14101  – SF99719 (Group Hiper) Level 16  – SF99716 (JAVA) Level 3</li> </ul>

# iSeries JDK Requirements

There are minimum JDK requirements for installing Sterling B2B Integrator on an iSeries platform.

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. See http://www.ibm.com/support/knowledgecenter/SS3JSW\_5.2.0/  $com.ibm.help.upgrade\_iseries\_523.doc/SI\_UpdateJDK\_iseries.html\ .$ 

Operating System	JDK Requirements
i5/OS V5R4 (Sterling B2B	Java(TM) 2 Runtime Environment, Standard Edition (build 1.6.0_11-b03) Classic VM (build 1.6, build JDK-1.6, native threads, jitc_de) (Sterling B2B Integrator 5.2.0 - 5.2.4)
Integrator 5.2.0 - 5.2.4.1 only.)  New installations using the Sterling B2B Integrator 5.2.4 installation media	Java(TM) 2 Runtime Environment, Standard Edition (build 1.6.0_11-b03 or higher within version 1.6.0 SRxx FPxx) Classic VM (build 1.6, build JDK-1.6, native threads, jitc_de) (Sterling B2B Integrator 5.2.4.1 only)  For more information, refer to i5/OS V5R4 in <i>iSeries Software</i> .
released in December 2013 or later are not supported on an IBM i V5R4 operating system.	
Not supported in Sterling B2B Integrator 5.2.4.2 or higher. When patching up to 5.2.4.2, you must apply the patch on your V5R4 operating system, but then immediately upgrade your iSeries to IBM i V6R1 or V7R1, or physically move your Sterling B2B Integrator instance to an iSeries using IBM i V6R1 or V7R1.	
IBM i - V6R1  (For Sterling B2B Integrator 5.2.0 - 5.2.4.1 only, installed using Sterling B2B Integrator installation media released prior to the Sterling B2B Integrator 5.2.4 installation media released in December 2013.)	Java(TM) 2 Runtime Environment, Standard Edition (build 1.6.0_11-b03) Classic VM (build 1.6, build JDK-1.6, native threads, jitc) (Sterling B2B Integrator 5.2.0 - 5.2.4)  Java(TM) 2 Runtime Environment, Standard Edition (build 1.6.0_11-b03 or higher within version 1.6.0 SRxx FPxx) Classic VM (build 1.6, build JDK-1.6, native threads, jitc) (Sterling B2B Integrator 5.2.4.1 only)  For more information, refer to IBM i - V6R1 in iSeries Software.
IBM i - V6R1  (Sterling B2B Integrator patched to 5.2.4.2 only. New installations using the Sterling B2B Integrator 5.2.4 installation media released in December 2013 or higher.)	J9 JDK 1.6  java version "1.6.0"  Java(TM) SE Runtime Environment (build pap6460sr14-20130705_01(SR14))  IBM J9 VM (build 2.4, JRE 1.6.0 IBM J9 2.4 0S/400 ppc64-64 jvmap6460sr14-2013 0705_01 (JIT enabled, AOT enabled) J9VM - 20130704_155156 JIT - r9_20130517_38390 GC - GA24_Java6_SR14_20130704_1138_B155156) JCL - 20130618_01  For more information, refer to IBM i - V6R1 in iSeries Software.

Operating System	JDK Requirements
IBM i - V7R1	Java(TM) SE Runtime Environment (build 1.6.0 SR9) (Sterling B2B Integrator 5.2.0 - 5.2.4)
(Sterling B2B Integrator 5.2.3 - 5.2.4.1 only, installed using Sterling B2B Integrator installation	Java(TM) SE Runtime Environment (build 1.6.0 SR9 or higher within version 1.6.0 SR $xx$ FP $xx$ ) (Sterling B2B Integrator 5.2.4.1 or higher)
files released prior to the Sterling B2B Integrator 5.2.4 installation media released in December 2013.)	J9 JDK 1.6  java version "1.6.0"  IBM J9 VM (build 2.4, JRE 1.6.0 IBM J9 2.4  OS/400 ppc64-64 jvmap6460sr9-20101  130 (JIT enabled, AOT enabled)  J9VM - 20101124_069295
,	JIT - r9_20101028_17488ifx2 GC - 20101027_AA) JCL - 20101119_01
	For more information, refer to IBM i - V7R1 in iSeries Software.
IBM i - V7R1	Use J9 JDK 1.6 or J9 JDK 1.7
(Sterling B2B Integrator 5.2.4.2 only. This includes new installations using the Sterling B2B Integrator 5.2.4 installation media released in December 2013 or higher.)	J9 JDK 1.6  java version "1.6.0"  Java(TM) SE Runtime Environment (build pap6460sr14-20130705_01(SR14))  IBM J9 VM (build 2.4, JRE 1.6.0 IBM J9 2.4  OS/400 ppc64-64 jvmap6460sr14-2013  0705_01 (JIT enabled, AOT enabled)  J9VM - 20130704_155156  JIT - r9_20130517_38390  GC - GAZ4_Java6_SR14_20130704_1138_B155156)  JCL - 20130618_01
	J9 JDK 1.7  java version "1.7.0"  Java(TM) SE Runtime Environment (build pap6470sr5-20130619_01(SR5))  IBM J9 VM (build 2.6, JRE 1.7.0  OS/400 ppc64-64 Compressed References jvmap64 70sr5-20130619_01_cr (JIT enabled, AOT enabled)  J9VM - R26_Java726_SR5_20130617_1436_B152572  JIT - r11.b04_20130528_38954ifx1  GC - R26_Java726_SR5_20130617_1436_B152572_CMPRSS  J9CL - 20130617_152572)  JCL - 20130616_01 based on Oracle 7u25-b12
	For more information, refer to IBM i - V7R1 in iSeries Software.
IBM i - V7R1 (Sterling B2B Integrator 5.2.5 or higher)	J9 JDK 1.7  J9 JDK 1.7  java version "1.7.0"  Java(TM) SE Runtime Environment (build pap6470sr7fp1-20140708_01(SR7 FP1))  IBM J9 VM (build 2.6, JRE 1.7.0  0S/400 ppc64-64 Compressed References jvmap64  70sr7fp1-20140708_01_cr (JIT enabled, AOT enabled)  J9VM - R26_Java726_SR7_20140627_0924_B204598  JIT - r11.b06_20140409_61252.04  GC - R26_Java726_SR7_20140627_0924_B204598_CMPRSS  J9CL - 20140627_204598)  JCL - 20140707_01 based on Oracle 7u65-b16  For more information, refer to IBM i - V7R1 in iSeries Software.

Operating System	JDK Requirements
IBM i - V7R2 (Sterling B2B Integrator 5.2.5 or higher)	J9 JDK 1.7
	For more information, refer to IBM i - V7R2 in iSeries Software.

# **JCE Requirements (All Platforms)**

The following table lists the JCE requirements for all platforms supported by Sterling B2B Integrator:

Operating System	JDK	JCE
UNIX/Linux	Oracle (Sun)	For JDK 1.6 - jce_policy-6.zip (Oracle/Sun)
	IBM	unrestricted.zip (IBM)
	Hybrid IBM	
	IBM AIX	
	HP-UX	For JDK 1.6 - jce_policy-6.zip (Oracle/Sun)
Windows	All	For JDK 1.6 - jce_policy-6.zip (Oracle/Sun)
		or
		(Sterling B2B Integrator 5.2.3 or higher only) unrestricted.zip (IBM) - (Required for integration with WebSphere Transformation Extender (WTX))
iSeries	All	unrestricted.zip (IBM)

# JDBC driver requirements (all databases)

For all databases supported by Sterling B2B Integrator, use the JDBC driver that is recommended by the database vendor for your database and version.

Attention: If you are using the Lightweight JDBC Adapter with the DB2 or Microsoft SQL Server database, you must use the 4.0 version of the JDBC driver.

- For Oracle:
  - (Version 11g) See http://www.oracle.com/technetwork/database/features/ jdbc/index-091264.html for information.
  - (Version 12c) Oracle 12.1.0.2.0 JDBC 4.1 or higher within 12.x.x.x.x. See http://www.oracle.com/technetwork/database/features/jdbc/index-091264.html for information.
- For Microsoft SQL Server:

- Microsoft SQL Server 2005 or 2008 Use SQL Server JDBC Driver 3.0
- Microsoft SQL Server 2012 Use SQL Server JDBC Driver 4.0
- Regardless of Microsoft SQL Server version, if you are using the Lightweight JDBC Adapter, use SQL Server JDBC Driver 4.0

To obtain the driver, go to the Microsoft Download Center at http://www.microsoft.com/en-us/download/default.aspx and search for the required SQL Server JDBC driver version.

- For DB2, see http://www.ibm.com/support/docview.wss?uid=swg21363866 for information.
- For MySQL, see http://dev.mysql.com/downloads/connector/j/ for information.

## 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 Sterling B2B Integrator 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 Sterling B2B Integrator is installed.
- Perimeter servers are supported on the same operating system and JDK combinations as Sterling B2B Integrator. The operating system and JDK version that the perimeter server uses do not need to match the operating system and JDK version of Sterling B2B Integrator.
- Refer to the JDK instructions for the operating system on which you are installing the perimeter server.

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

- 100 MB disk space
- 1 GB memory

# **Web Browser Requirements**

Web browser requirements for Sterling B2B Integrator are provided.

#### **Internet Browser**

Microsoft Internet Explorer 7.x or 8.x

**Remember:** If you are running Windows Internet Explorer 8, for all versions of Windows operating systems, the AFT login screen may display part of the background image towards the right side, but it does not affect the functionality.

Microsoft Internet Explorer 10 or 11

(Sterling B2B Integrator V5.2.5 or later)

Mozilla Firefox ESR 17

**Remember:** If you open more than one Sterling B2B Integrator host, installed on the same server, in separate tabs or separate browsers sharing session cookies, the browser window will timeout the earlier session. You should always open a Sterling B2B Integrator host in a new session, which does not share session cookies.

Tip: For better visibility of the menu options in the Application Consoles, ensure that the dpi setting is 96 dpi.

## Map Editor and Graphical Process Modeler System Requirements

The Map Editor and Graphical Process Modeler require minimum levels of hardware and software to run properly on your Windows client system.

### **Hardware Requirements**

- Pentium or equivalent processor
- 400 MHz processor speed
- Color VGA or SVGA monitor
- 256 MB RAM (1 GB is recommended for mapping clients with maps that have more than 20,000 objects)
- 1 GB free disk space

### Software Requirements

The client Windows system requires one of the following operating systems:

- Windows 8.1 (Sterling B2B Integrator 5.2.5 or higher)
- Windows 7
- Windows XP (Sterling B2B Integrator 5.2.4.2 or lower)
- Windows Server 2003 Standard Edition (Sterling B2B Integrator 5.2.4.2 or lower)
- Windows Server 2003 Enterprise Edition (Sterling B2B Integrator 5.2.4.2 or lower)
- · Windows Server 2008 Standard Edition
- Windows Server 2008 Enterprise Edition

The client Windows system requires one of the following JDK versions:

- Use one of the 32-bit JDK versions supported for Sterling B2B Integrator on a Windows platform. See "Windows JDK Requirements" on page 27 for the supported versions. (Sterling B2B Integrator 5.2.0 - 5.2.4.1)
- Oracle JDK 1.7.0\_45 (32-bit) or higher within 1.7.0\_xx (Sterling B2B Integrator 5.2.4.2 or higher)
- IBM JDK 1.7.0 SR05 (32-bit) or higher within version 1.7.0 SRxx (Sterling B2B) Integrator 5.2.4.2 or higher)

Note: To use the remote map test functionality in the Map Editor, a 32-bit Java Runtime Environment from Oracle or IBM is required on both 32-bit and 64-bit operating systems.

**Note:** To save your source map as an XML file (.mxl file extension) using the Map Editor, you must have Microsoft XML Core Services (MSXML) 4.0 installed on the same computer as Map Editor. If you do not have Microsoft XML Core Services (MSXML) 4.0 installed, you cannot save source maps as .mxl files and must use the .map extension.

## **SWIFTNet7 Adapter Requirements**

The SWIFTNet7 adapter communicates to the SWIFTNet Network through the SWIFTNet MEFG Servers for SWIFTNet version 7. It responds to and accepts InterAct and FileAct messages that are sent by remote SWIFTNet correspondents. The SWIFTNet7 adapter requires IBM Sterling B2B Integrator 5.2.2 or higher and requires some updates to the platform.

#### **Oracle Solaris Platform**

If you are using the SWIFTNet7 Adapter on the Oracle Solaris platform, to receive the adapter updates for 5.2.2 you must patch your Solaris operating system with Oracle Solaris 10 10/09 or higher.

If you are using SSL, you must also upgrade to the 0.9.8y OpenSSL library or the 1.0.1e OpenSSL library.

- For Oracle SUN OS, the download is available from Oracle (https://support.oracle.com/).
- For OpenSSL, the download is available from OpenSSL (http://www.openssl.org).

#### **IBM AIX Platform**

If you are using the SWIFTNet7 Adapter on the IBM AIX platform, to receive the adapter updates for 5.2.2 you must patch your IBM XL C/C++ runtime library to July 2009 Runtime for IBM XL C++ for AIX. Additionally, you must upgrade your AIX operating system to Version 6.1 (or higher).

If you are using SSL, you must also upgrade to the 0.9.8y OpenSSL library or the 1.0.1e OpenSSL library.

- For OpenSSL, the download is available from OpenSSL (http://www.openssl.org).
- For IBM AIX, the download is available from IBM (http://www-306.ibm.com/software/support/).

#### Windows Platform

If you are using the SWIFTNet7 Adapter on the Windows platform, to receive the adapter updates for 5.2.2 you must upgrade your Windows operating system to Windows Server 2008 R2 (with all security patches). It is also supported on all supported versions of Windows Server 2003.

If you are using SSL, you must also upgrade to the 0.9.8y OpenSSL library or the 1.0.1e OpenSSL library.

- For OpenSSL, the download is available from OpenSSL (http://www.openssl.org).
- For Windows, the download is available from Microsoft® (Windows Server 2008 R2 and Windows Server 2008).

### **Red Hat Enterprise Linux Platform**

To use the SWIFTNet7 Adapter on the Red Hat Enterprise Linux platform, you must be using Sterling B2B Integrator 5.2.4.2 or higher and one of the following:

- Red Hat Enterprise Linux Release 5.7 (x64/x86 64-bit kernel only), including any patches within 5.*x*.
- Red Hat Enterprise Linux Server Release 6.1 or higher x64, 64-bit Kernel, including any patches within 6.x. Supported kernel version: 2.6.18-164.2.1.el5 or higher within version 2.x.

Install SWIFT Remote API v7.0 for Linux before installing MEFG.

If you are using SSL, you must upgrade the OpenSSL library to version 0.9.8y or 1.0.1e or to the latest version available from Red Hat.

- For Red Hat Enterprise Linux, any necessary downloads are available from RedHat (http://www.redhat.com/products/enterprise-linux/).
- The SWIFT Remote API v7.0 for Linux download is available from SWIFT (http://www.swift.com).
- For OpenSSL, the download is available from RedHat (http://www.redhat.com).

## **Supported Third Party Software**

The following table lists the supported third party software bundled along with Sterling B2B Integrator 5.2.4.1 or lower:

Software	Version
XSL Transformations	Version 1.0 with Apache Xalan-Java version 2.7.0
XML Path Language	Version 1.0 with Apache Xalan-Java version 2.7.0

This software is not included in Sterling B2B Integrator 5.2.4.2 or higher.

# **Change History**

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

Date	Change
08/28/2015	Added requirement for X11 graphics libraries on UNIX/Linux platforms.
04/21/2015	Revised the UNIX/Linux JDK requirements. IBM JDK 1.7 is not supported on AIX 5.3.
04/15/2015	Revised the JDBC requirements for Microsoft SQL Server.
Sterling B2B Integrator 5.2.5 Media Refresh - April 2015	<ul> <li>Added support for the following items:</li> <li>Microsoft Internet Explorer 11 (requires Windows 8.1 Enterprise 64-bit as client operating system) in Sterling B2B Integrator 5.2.5. or higher.</li> <li>Windows Server 2012 Standard Edition R2 64-bit, in Sterling B2B Integrator 5.2.5.0 iFix 3 or higher.</li> </ul>
12/18/2014	Added support for Oracle 12c database.

Date	Change
Sterling B2B	Added support for the following items:
Integrator 5.2.5	• SQL Server 2012 database
Release	DB2 10.5 database
	iSeries V7R2 operating system
	Removed support for the following items that are supported in Sterling B2B Integrator 5.2.4.2:
	• JDK 6
	Windows 2003 operating system
	• iSeries V5R4 operating system
	iSeries V6R1 operating system
	HP-UX 11.23 PA-RISC operating system
	HP-UX 11.31 PA-RISC operating system
	SQL Server 2005 database
	DB2 database for iSeries V5R4
	DB2 database for iSeries V6R1
04/09/2014	Added support for SCAN in Oracle RAC 11g R2.
03/03/2014	DB2 pureScale is now supported in Sterling B2B Integrator 5.2.4.2 or higher.
Sterling B2B Integrator 5.2.4.2	Added support for Oracle Solaris 11 (SPARC only) with Sterling B2B Integrator 5.2.4.2 or higher.
Release	Added requirements for using the SWIFTNet7 adapter with Sterling B2B Integrator on RedHat Enterprise Linux.
	Updated IBM i Platform and Database requirements for Sterling B2B Integrator 5.2.4.2 or higher.
	Updated all JDK requirements for Sterling B2B Integrator 5.2.4.2 or higher, including support for JDK 1.7.
	• Updated the requirements for using the Map Editor with Sterling B2B Integrator 5.2.4.2 or higher.
12/04/2013	Updated the JDBC Driver requirements for Microsoft SQL Server.
11/11/2013	Updated the OpenSSL version requirements for using the SWIFTNet7 adapter with Sterling B2B Integrator.
11/07/2013	Removed the exclusion of the Oracle Exadata platform under Oracle database support.
10/14/2013	Removed the limitation on MySQL support to non-clustered Sterling B2B Integrator installations. A clustered Sterling B2B Integrator installation can be used with an external (non-clustered) MySQL database.
9/24/2013	Updated the instructions for downloading Solaris patches.
9/11/2013	Updated the Red Hat Enterprise Linux 6.1 information to clarify kernel requirements.
8/20/2013	Updated the Map Editor requirements to state that a 32-bit Java Runtime Environment is required to use the remote map test functionality on both 32-bit and 64-bit systems.
7/3/2013	Updated supported version information for platforms, databases, JDKs, and JDBC drivers.
4/19/2013	Updated the Map Editor requirements to state that a 32-bit Java Runtime Environment is required to use the remote map test functionality.

Date	Change
4/10/2013	Added support for DB2 10.1 in Sterling B2B Integrator 5.2.4.1 iFix 2 or higher.
	Updated JDBC Driver information for all versions of DB2 for UNIX/Linux and Windows.
3/6/2013	Updated supported database and JDBC driver information for DB2 for IBM i (iSeries)
	Updated PTF Group information for i5/OS and IBM i (iSeries)
	Revised the UNIX/Linux JDK Requirements to clarify OS patch recommendations for Red Hat Enterprise Linux and SUSE Linux Enterprise Server
1/23/2013	Added a note that support for DB2 does not include support for DB2 pureScale.
	Revised the minimum Solaris patch requirements for Solaris 9 and Solaris 10.
12/20/2012	Added support for SUSE Linux Enterprise Server (SLES) 11 with DB2 9.7.x in Sterling B2B Integrator 5.2.4 or higher.
	Removed exception stating that Red Hat Enterprise Linux for IBM System z is not supported in Sterling B2B Integrator 5.2.4.1.
11/26/2012	Added instructions not to exceed Level 7 of PTF group SF99572 in the IBM i V7R1 section of iSeries Software.
Sterling B2B Integrator 5.2.4.1	Added exception stating that Red Hat Enterprise Linux for IBM System z is not supported in Sterling B2B Integrator 5.2.4.1.
Release	Added support for IBM AIX 7.1 in Sterling B2B Integrator 5.2.4.1 or higher.
	Added support for Oracle JDK 1.6.0_31 on Oracle Solaris and Windows in Sterling B2B Integrator 5.2.4.1 or higher.
	Added support for Microsoft SQL Server 2008 R2 (SP1) Enterprise and Standard Editions (10.50.2550.0 or higher within version 10.50.x.x) in Sterling B2B Integrator 5.2.4.1 or higher (or 5.2.4 in some cases).
9/12/2012	Added support for Red Hat Enterprise Linux 5.5 and 6.1 for IBM System z in Sterling B2B Integrator 5.2.4 or higher, including WebSphere® Transformation Extender version requirement.
	Updated instructions for downloading the IBM JDK for Linux
	Updated version requirement for Microsoft SQL Server 2005 Enterprise and Standard Editions to 9.00.3159 or higher within version 9.x.x.
Sterling B2B Integrator 5.2.4 Release	Added support for Red Hat Enterprise Linux Server 6.1 in Sterling B2B Integrator 5.2.4 or higher
	Added minimum OS kernel and glibc version information to the JDK requirements for SUSE and Red Hat Linux.
	Added instructions for obtaining the IBM JDK for Windows in Sterling B2B Integrator 5.2.4 or higher
03/07/2012	Updated instructions for obtaining the IBM JDK for Windows
02/28/2012	Updated iSeries software requirements

Date	Change
12/16/2011	Added support for IBM i (formerly called IBM I5/OS) 7.1 in Sterling B2B Integrator 5.2.3 or higher
	Added information about support for WebSphere Transformation Extender (WTX)
	Updated iSeries hardware and software requirements
09/19/2011	Updated MySQL 5.1.45 to specify MySQL Enterprise Edition 5.1.45
	Updated Oracle 11g database versions and JDBC drivers versions
09/08/2011	Changed minimum Oracle 11g version to 11.2.0.2.0
07/20/2011	This version supports Windows 7. This information was not included in the original version of the document. It has been added to the Map Editor and Graphical Process Modeler System Requirements topic.
	In addition, the following item was also added for the Graphical Process Modeler:
	To run the Graphical Process Modeler, your Windows system requires Oracle JDK1.6_24.
	The following information was corrected for DB2 9.7 through 9.7.x. The JDBC Type-4 driver version was incorrectly identified as version 9.5. The correct version is JDBC Type-4 driver version 9.7 (internal driver version 3.57.82).
03/31/2011	Initial Release

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