

Intel® XML Software Suite 1.0 for Java* Environments

Installation Guide

Document version: 317580-002US

Contents

- Introduction
- System Requirements
- Obtaining Intel® XML Software Suite
- Installing Intel® XML Software Suite
- Uninstalling Intel® XML Software Suite
- Obtaining Technical Support
- Disclaimer and Legal Information

Introduction

This document describes how to install and configure Intel® XML Software Suite 1.0 for Java* Environments. The installation is a multi-step process, so please read this document up to the end before installing the product and follow the steps in sequence. For information about the product contents, including new and changed features, please refer to [Release Notes](#).

Upgrade Path

If you have a previous version of Intel® XML Software Suite 1.0 installed or if you wish to upgrade your license of Intel® XML Software Suite 1.0 from evaluation to commercial, you need to uninstall it before installing this version.

If you installed Intel® XSLT Accelerator 1.0 or 1.1, please remove it before installing Intel® XML Software Suite 1.0. Otherwise, you need to make sure that `intel-xss.jar` appears before `intel-xslt*.jar` in the environment variable `CLASSPATH`, to avoid continuing to use prior products. This is the first release for all other components in the suite.

System Requirements

Intel® XML Software Suite for Java* Environments runs on Windows* and Linux* operating systems on IA-32 and Intel® 64 architectures. The following table includes the software and hardware requirements for this release:

Supported Software and Hardware

Operating Systems	<p>Windows*</p> <ul style="list-style-type: none"> • Microsoft Windows Server 2003 Standard Edition* • Microsoft Windows Server 2003 Enterprise Edition* • Microsoft Windows Server 2003 DataCenter Edition* • Microsoft Windows Vista* • Microsoft Windows Server 2008* • Microsoft Windows XP* <p>Linux*</p> <ul style="list-style-type: none"> • Red Hat Enterprise Linux* AS 4.0 - 2.6 kernel • Red Hat Enterprise Linux* ES 4.0 - 2.6 kernel • Red Hat Enterprise Linux* AS 3.0 - 2.4 kernel • Red Hat Enterprise Linux* ES 3.0 - 2.4 kernel • SUSE* Linux Enterprise Server 10 - 2.6 kernel • SUSE* Linux Enterprise Server 9 - 2.6 kernel
Run-time Environments	<ul style="list-style-type: none"> • Sun J2SE* version 5.0 • Sun J2SE* version 6.0 • BEA JRockit* version 5.0 R26 • BEA JRockit* version 6.0 • IBM JDK* version 5.0 (Linux only) • IBM SDK* for Java 6 (Linux only) <p>The Java* source files are built using the javac tool 1.5.0.</p>
Processor Requirements	<p>32-bit Intel® Architecture Platforms</p> <ul style="list-style-type: none"> • Intel® Core™2 Duo processors • Intel® Core™ microarchitecture • Intel® Xeon® processors • Other compatible processors, such as AMD Opteron* processors <p>64-bit Intel® 64 Architecture Platforms</p> <ul style="list-style-type: none"> • Intel® Core™2 Duo processors • Intel® Xeon® processors • Other compatible processors, such as AMD Opteron* processors
System Memory	1GB Minimum, 4GB Recommended
Minimum Disk Space for Install	60 MB of free hard disk space (host system only)

Note:

Intel XML Software Suite is not supported on the Intel® Itanium® architecture. Best performance is obtained on Dual-Core Intel® Xeon® processor.

Compiler Support on Linux* OS

When running Intel® XML Software Suite on Red Hat Enterprise Linux* 3 update 9 on Intel® 64 architecture where gcc 3.4.2 is not installed, please replace `libintel-xss-j.so` with `libintel-xss-j-gcc3.3.3.so` located in the same directory, which is dynamically linked with `libstdc++.so.5`. The requirement for the 64-bit (Intel® 64 architecture) libraries is due to the compiler and other tools being 64-bit applications that dynamically link to these libraries. If these libraries are not installed, the following error may be displayed when the compiler is invoked: "error while loading shared libraries: `libstdc++.so.5`(or `libstdc++.so.6`): cannot open shared object file: No such file or directory". The error message is confusing as it does not indicate that the 64-bit version of `libstdc++.so.5` / `libstdc++.so.6` is required. To avoid this problem, be sure that the 64-bit versions of these libraries are installed. Most, but not all, Linux distributions for Intel® 64 architectures will install these by default. Consult the documentation that came with your Linux distribution for instructions on how to install the 32-bit/64-bit libraries, typically in packages named `libstdc++`. If you still have problems, please contact Intel® Premier Support for further assistance.

Additionally, please note that the libraries compatible with gcc 3.3.3 might cause a core dump when processing mal-formed XML data leading to exception handling. This issue occurs only on Red Hat Enterprise Linux* 3 and SUSE* Linux Enterprise Server 9 with gcc 3.3.3 installed in the default configuration. To avoid this problem, it is recommended that you install gcc 3.4.2 or `libstdc++.so.6`, and use the original `libintel-xss.so` library, which is dynamically linked to `libstdc++.so.6`.

Note:

The version of the library specific for gcc 3.3.3 is only available in the full version of the package, not in the evaluation version.

Obtaining Intel® XML Software Suite

You can download a commercial or an evaluation version of Intel® XML Software Suite via [Intel® Registration Center](#). Please register for Intel® Premium Support after completing the downloads, see [Obtaining Technical Support](#). CD versions of the product will be available at the beginning of 2008.

Installing Intel® XML Software Suite

Intel® XML Software Suite is an XML processing library that reads and manipulates input data as required by your application. Intel XML Software Suite covers all major stages of XML data processing. In addition to the binary files for XML processing, the package also contains documentation files and buildable sample application code.

The package is delivered as a compressed archive: the gzipped `tar` file for the Linux* operating system and the `exe` file for the Windows* operating system respectively:

```
Windows*: intel-xssj-1_0_0_p-win-flex.exe  
Linux*: intel-xssj-1_0_0_p-linux-flex.tgz
```

See the product [Release Notes](#) for known issues related to installation.

To install Intel XML Software Suite, follow the instructions below.

On Windows*:

1. Start the installation:
 1. If you received Intel® XML Software Suite on CD, insert it in a CD-ROM drive to start the setup automatically. If the installation program does not start, find and double-click the file `Setup.exe` on your CD.
 2. If you received Intel® XML Software Suite as a download, double-click the downloaded `intel-xssj-1_0_0_p-win-flex.exe` file to start the setup.

Before the installation starts, the installation program unpacks the self-extracting file and places files in the `C:\Program Files\Intel\Download\XMLSoftwareSuite\Java\1.0` directory. If this folder already exists, the installation program suggests overwriting its contents.

The Intel® Software Setup Assistant program appears that will guide you through the installation process.
2. Click **Next** in the dialog box.
3. When prompted by Intel Software Setup Assistant, provide the license number.

It is recommended to enter the serial number provided by Intel or your reseller. If you have an Internet connection, Intel® Software Setup Assistant contacts Intel, retrieves a license, and installs it on your computer. If an Internet connection is not available, the program installs a default license, which permits using the libraries, but does not enable updates.

If a problem occurs with the method mentioned above, specify the path to an existing license found on the system by clicking "..." in the dialog box.

Make your selection and click **Next**.
4. Accept the license agreement and click **Next**.
5. Input customer information and click **Next**.
6. Specify the installation location. You may accept the default installation directory `c:\Program Files\Intel\XMLSoftwareSuite\Java\1.0` or choose a different one.

Make your selection and click **Next**.
7. Choose or check a platform to register the `PATH` environment variable with the path chosen for installation. The value of `CLASSPATH` is set automatically.

You can choose not to register `PATH` during installation, and to configure it by running the appropriate script under `\Tools` in your chosen installation directory.
8. Click the **Install** button to start the installation.
9. When the installation completes, click **Finish** to exit Intel® Software Setup Assistant. If you have not registered the serial number, Intel Software Setup Assistant prompts a message box to let you provide your email address.

On Linux*:

1. Start the installation:
 1. If you received Intel® XML Software Suite on CD, insert it in a CD-ROM drive to start the setup automatically.
 2. If you received Intel® XML Software Suite as a download, extract the downloaded `intel-xssj-1_0_0_p-linux-flex.tgz` file to the specified folder and go to the location of the extracted installation files.

Type `./install.sh` on the console to start the installation.

2. Select the `root`, `sudo to root` or the current installation mode.
3. Enter the password to log in, if necessary.
4. When prompted by Intel® Software Setup Assistant, provide the license number performing one of the following actions:
 1. (recommended) Use the existing license found on the system.
 2. Provide the absolute path for an existing license file.
 3. Enter the serial number provided by Intel or your reseller.

If you have an Internet connection, Intel Software Setup Assistant contacts Intel, retrieves a license, and installs it on your computer. If an Internet connection is not available, the program installs a default license, which permits using the libraries, but does not enable updates.

Make your selection and press **Enter**.

5. Read the license agreement and type `accept` at the end to continue.
6. Specify the product installation location. You may accept the default installation directory `/opt/intel/xmlsoftwaresuite/java/1.0` or choose a different one.
Make your selection and press **Enter** to continue.
7. When the installation completes, press **Enter**.
If you have not registered the serial number, Intel Software Setup Assistant prompts to let you provide your email address.
8. To exit Intel® Software Setup Assistant, type `x` on the final screen.
9. To set the environment variables, use the appropriate script `xssvars32.sh`, `xssvars64.sh`, `xssvars32.csh`, or `xssvars64.csh` in the `tools` directory under the chosen installation directory.
10. Enable Java* signal processing, <http://java.sun.com/j2se/1.5.0/docs/guide/vm/signal-chaining.html>.

Uninstalling Intel® XML Software Suite

To uninstall Intel® XML Software Suite for Java* Environments, follow the instructions below.

On Windows*:

1. Choose **Start > Control Panel > Add or Remove Programs**.
2. Find the **Intel(R) XML Software Suite 1.0 for Java* Environments** item.
3. Click **Remove**.

On Linux*:

1. Go to the installation directory.
2. Type `./uninstall.sh` on the console.
3. Enter the root password, if necessary.

Note:

Uninstalling Intel XML Software Suite does not delete the corresponding license file.

Obtaining Technical Support

Your feedback is very important to us. To receive technical support for the tools provided in this product and technical information including FAQ's and product updates, you need to be registered for an Intel® Premier Support account on our secure web site, <https://premier.intel.com>. If you did not register during the installation process, please register at Intel® Registration Center, <https://registrationcenter.intel.com/regcenter/register.aspx>.

Note:

If you have questions or problems getting started with Intel XML Software Suite, please go to <https://registrationcenter.intel.com/support/>.

For general support information, please visit <http://www.intel.com/software/products/support/>.

Disclaimer and Legal Information

INFORMATION IN THIS DOCUMENT IS PROVIDED IN CONNECTION WITH INTEL® PRODUCTS. NO LICENSE, EXPRESS OR IMPLIED, BY ESTOPPEL OR OTHERWISE, TO ANY INTELLECTUAL PROPERTY RIGHTS IS GRANTED BY THIS DOCUMENT. EXCEPT AS PROVIDED IN INTEL'S TERMS AND CONDITIONS OF SALE FOR SUCH PRODUCTS, INTEL ASSUMES NO LIABILITY WHATSOEVER, AND INTEL DISCLAIMS ANY EXPRESS OR IMPLIED WARRANTY, RELATING TO SALE AND/OR USE OF INTEL PRODUCTS INCLUDING LIABILITY OR WARRANTIES RELATING TO FITNESS FOR A PARTICULAR PURPOSE, MERCHANTABILITY, OR INFRINGEMENT OF ANY PATENT, COPYRIGHT OR OTHER INTELLECTUAL PROPERTY RIGHT.

UNLESS OTHERWISE AGREED IN WRITING BY INTEL, THE INTEL PRODUCTS ARE NOT DESIGNED NOR INTENDED FOR ANY APPLICATION IN WHICH THE FAILURE OF THE INTEL PRODUCT COULD CREATE A SITUATION WHERE PERSONAL INJURY OR DEATH MAY OCCUR.

Intel may make changes to specifications and product descriptions at any time, without notice. Designers must not rely on the absence or characteristics of any features or instructions marked "reserved" or "undefined." Intel reserves these for future definition and shall have no responsibility whatsoever for conflicts or incompatibilities arising from future changes to them. The information here is subject to change without notice. Do not finalize a design with this information.

The products described in this document may contain design defects or errors known as errata which may cause the product to deviate from published specifications. Current characterized errata are available on request.

Contact your local Intel sales office or your distributor to obtain the latest specifications and before placing your product order.

Copies of documents which have an order number and are referenced in this document, or other Intel literature, may be obtained by calling 1-800-548-4725, or by visiting [Intel's Web Site](#).

Intel processor numbers are not a measure of performance. Processor numbers differentiate features within each processor family, not across different processor families. See http://www.intel.com/products/processor_number for details.

BunnyPeople, Celeron, Celeron Inside, Centrino, Centrino logo, Core Inside, FlashFile, i960, InstantIP, Intel, Intel logo, Intel386, Intel486, Intel740, IntelDX2, IntelDX4, IntelSX2, Intel Core, Intel Inside, Intel Inside logo, Intel Leap ahead, Intel Leap ahead logo, Intel NetBurst, Intel NetMerge, Intel NetStructure, Intel SingleDriver, Intel SpeedStep, Intel StrataFlash, Intel Viiv, Intel vPro, Intel XScale, IPLink, Itanium, Itanium Inside, MCS, MMX,

Oplus, OverDrive, PDCharm, Pentium, Pentium Inside, skool, Sound Mark, The Journey Inside, VTune, Xeon, and Xeon Inside are trademarks of Intel Corporation in the U.S. and other countries.

* Other names and brands may be claimed as the property of others.

Copyright © 2007, Intel Corporation. All rights reserved.