



Product Brief

Intel® XML Software Suite 1.0 Beta

High-Performance XML Processing

Intel® XML Software Suite is a comprehensive high-performance software library providing APIs for C++ and Java* Linux* and Windows* operating systems, delivering maximum performance for XML processing on industry standard servers and application environments. Intel® XML Software Suite is standards' compliant, for easy integration into existing XML processing environments and is optimized to support complex and large-size XML document processing.

Features

- Outstanding XML processing performance
- Comprehensive XML processing functionality
- Large XML file processing
- Compliance to industry standards
- High conformance
- Efficient memory management

Efficient Design with Outstanding Performance on Intel® Platforms

Intel® XML Software Suite's design makes efficient use of runtime resources to deliver outstanding performance in XML environments, and is highly optimized to achieve the best performance when used on Intel® Core™ microarchitecture.

Multi-Core Ready:

- Excellent scaling for multiprocessor systems
- 32 and 64 bit processor support
- Thread-Safe

Efficient Design Enables Better:

- Thread utilization
- Memory pool utilization
- XML processing in stream mode

XML Document Processing Acceleration for:

- Transformations
- Parsing
- Schema Validation
- XPath

High Conformance

Intel® XML Software Suite has a conformance pass rate of more than 98.0% for the W3C and OASIS Test Suites including: XML Conformance, XML Schema, DOM Conformance, XSLT Conformance, and XPath Conformance.

Comprehensive XML Support

Intel® XML Software Suite includes the following functions:

- Intel® XSLT Accelerator – for rapid XML document transformation
- Intel® XML Parsing Accelerator – for efficient XML document parsing
- Intel® XML Schema Accelerator – for quick XML document schema validation
- Intel® XPath Accelerator – for effective XML document navigation and expression handling

Large XML File Processing

Intel® XML Software Suite supports large XML file processing, including:

- SAX – 1GB (20GB for Parsing)
- DOM – 1GB
- Intel compact data format – 1GB

XML Processing Formats

Intel® XML Software Suite supports XML formats, including:

- Data streams
- SAX event sequences
- DOM node sets
- Intel compact data format for high-speed internal XML processing (C/C++ only)

Standards Compliant

Intel® XML Software Suite implements the following industry standards:

- W3C XML 1.0
- W3C Namespaces in XML 1.0
- W3C XML Schema 1.0
- W3C XPath 1.0
- W3C XSLT 1.0
- W3C DOM Level2 Core / Partial DOM Level3 Core
- SAX 2.0

Outstanding Performance

Intel® XML Software Suite achieves more than twice the performance for each individual XML function over competitive solutions.

Common Character Sets

Intel® XML Software Suite works with many character sets used with XML documents and processing, natively supporting: UTF-8, UTF-16, UTF-32, ISO-885901, and ASCII.

Compatibility

Intel® XML Software Suite supports a variety of systems running Linux* or Windows*. Please refer to Intel® XML Software Suite system requirements for details on hardware and software: <http://www.intel.com/cd/software/products/asmo-na/eng/366637.htm>

C/C++ Application Integration

Intel® XML Software Suite for C/C++ allows for simple integration into C/C++ XML applications by providing Intel developed APIs supporting common code functionality required for XML processing.

Java Application Integration

Intel® XML Software Suite for Java* Environments allows for effortless integration into Java* based XML applications and environments by providing a plug-in for the JAXP 1.3 and 1.4 standard requiring little, if any application code modification.

Processors

- 32-bit Intel architecture processors
- 64-bit Intel® Xeon® processors
- Other compatible non-Intel processors

Optimized on Dual-Core Intel® Xeon® processor series, Intel® XML Software Suite provides efficient performance, and is designed to take advantage of Intel® Core™ microarchitecture.

About Intel® XML Software Products

Intel® XML Software Products help you create fast, reliable and highly efficient XML based applications, facilitating Web Services and Service Oriented Architectures.

For more information on Intel XML products visit www.intel.com/software/xml/

To find out more about Intel® XML Software Suite and request a download visit: <http://www.intel.com/cd/software/products/asmo-na/eng/366637.htm>

Intel, the Intel logo, Itanium, Pentium, Intel Centrino, Intel Xeon, Intel XScale, VTune, Celeron, Intel NetBurst and MMX are trademarks or registered trademarks of Intel Corporation or its subsidiaries in the United States and other countries.

*Other brands and names may be claimed as the property of others. Copyright © Intel Corporation, 2007. All rights reserved.

082905/DAM/OMD/2500 309484-001

