



Product Brief

Intel® XML Software Suite 1.0

High-Performance XML Processing

Intel® XML Software Suite is a comprehensive high-performance software library providing APIs for C/C++ and Java* on 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

- Transformation
- Parsing
- Schema Validation
- XPath

Outstanding Performance

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

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
- 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

XML Processing Formats

Intel® XML Software Suite supports XML formats:

- 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
- W3C Partial DOM Level3 Core
- SAX 2

Large XML File Processing

All Intel® XML Software Suite functions support 1GB files or larger for XML processing.

Common Character Sets

Intel® XML Software Suite works with many character sets used with XML documents and processing, including but not limited to: UTF-8, UTF-16, UTF-32, ISO-8859 series, IBM-1208, ASCII and EBCDIC.

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 requirements: www.intel.com/software/xmlsoftwaresuite.

C/C++ Application Integration

Intel® XML Software Suite for C/C++ allows for simple integration into C/C++ XML applications by providing Intel developed API 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:

www.intel.com/software/xmlsoftwaresuite

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