OSS XML Schema Tools

Fast, Compact XML with a Single Tool

XML, a popular platform, particularly for messaging applications, presents several challenges when used in bandwidth and resource-constrained environments such as wireless telecommunications. On average, XML requires 10 times more bandwidth than a binary representation of the same data.

The OSS XML Schema (XSD) Tools for Java, C, and C++, help you meet these challenges by providing runtime functions to quickly serialize/parse XML and binary documents and to convert from XML to binary and vice versa. An international standard based solution (W3C XML Schema and ITU-T X.694 standards), our XSD Tools are designed for deployment without disruption of existing applications. Field proven for more than a decade, our binary encoding software has been used by several major corporations in mission-critical applications.

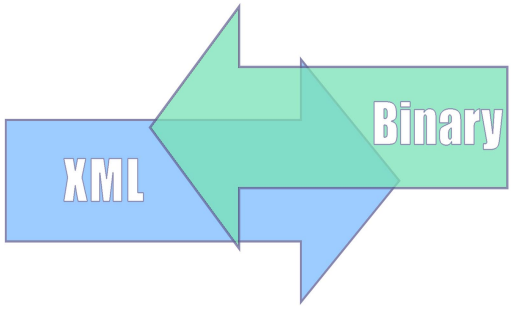
Optimize XML use with a Single Tool

Binary encodings from an XSD specification? Our single tool does it all! The OSS XML Schema Tools bind your XSD schema to Java, C, or C++ representations. Runtime libraries provide fast encoding of values of these representations into highly compact binary or XML encodings. Using standard, proven, binary encoding rules we can achieve better speeds and rates of compaction than commonly used compression algorithms. Decoders provide validation and fast transformation of incoming XML and binary documents. Support of the Simple API for XML (SAX) for parsing XML and binary messages enables streaming, a critical feature for applications deployed on space starved embedded platforms.

Benefit from XML and Binary Encoding

You don't have to give up the interoperability and inherent self-describing nature of XML. The OSS XSD Tools enable you to reap the benefits of using both XML and binary encoding technologies by:

- Producing highly compact binary encodings
- Achieving very fast transformations between XML and binary encodings
- Adhering to the W3C XML Schema standard
- Validating your XSD schema
- Validating XML and binary documents against your XSD schema
- Achieving interoperability between XSD and binary encoding based applications



Download a Free Trial

See For Yourself

http://www.oss.com/binaryxmltrial.html

Evaluate the quality of our software, documentation, and 24X7 technical support.

We are confident that you will agree with the choice made by our 900+ satisfied customers worldwide.

Strategic Benefits

Boost the value of your development investment!

- **Reduce size, parsing and serializing characteristics of XML documents**
- **Reduce costs – with fast transformations, small encodings, and application interoperability, all from a single tool**
- **Extend the reach of your data – exchange data with wireless and other bandwidth constrained applications which would not be feasible without a binary solution**
- **Increase your return on investment – reduced costs, expanded reach, enhanced capabilities, add up to a better ROI**

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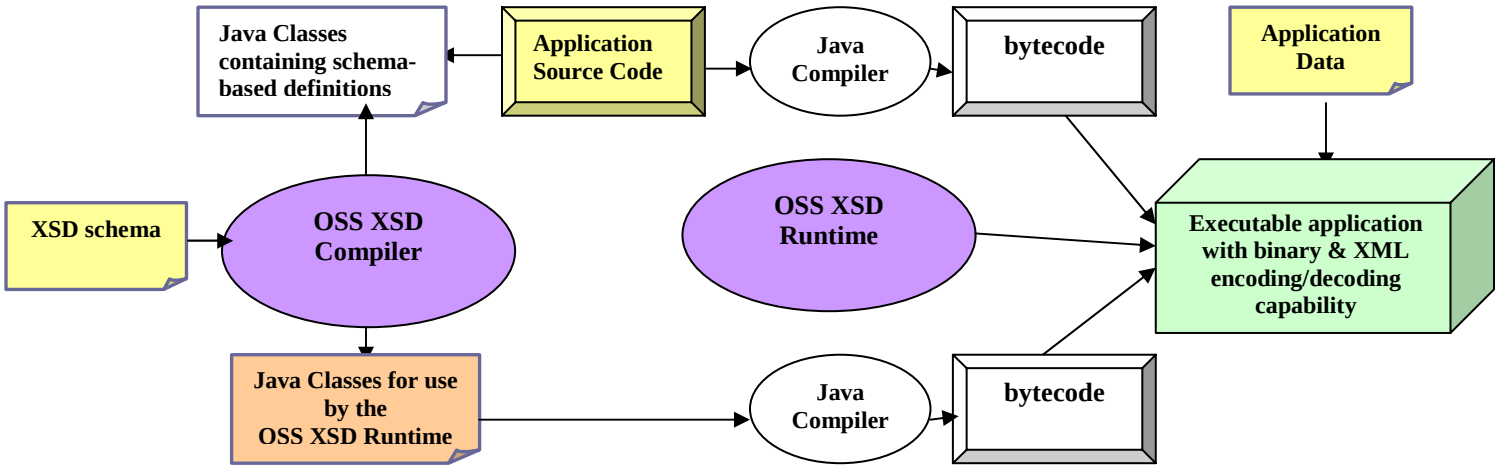
Building An Application (Example):

Your XSD schema is the input to the OSS XML Schema Compiler. The OSS XML Schema Compiler produces modules which when combined with your application produce an executable with high speed XML and binary encoding/decoding capabilities - a single tool solution.

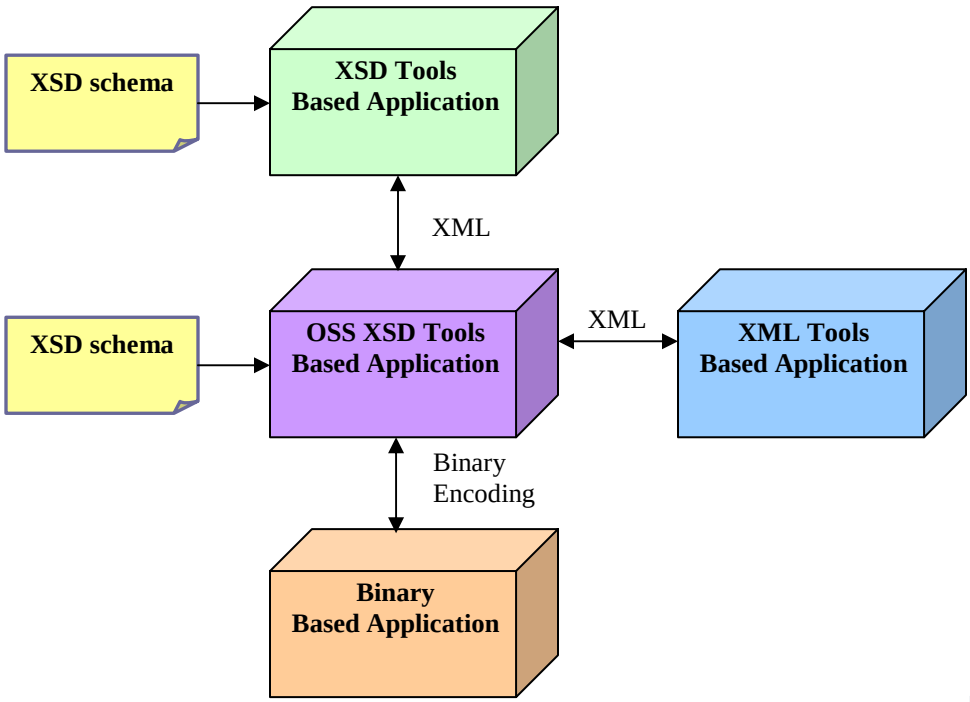
Building an Application with the OSS XML Schema/Java Tools



Binary Encoding & XML - Powerful, Complementary Technologies

The OSS XML Schema Tools for Java, C, and C++, offer you a standards based, single tool solution, providing efficiency, flexibility, and interoperability. Now you can choose – binary encoding, XML encoding, or both; exchange data with binary encoding based or XSD based applications – the right option available when you need it.

Runtime Flexibility



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