



**POCO Fast Infoset** is a fully compliant **C++** implementation of the ITU-T Rec. X.891 and ISO/IEC 24824-1 standards for a binary representation of the XML information set – the contents of an XML document. An XML information set, such as a DOM (Document Object Model) tree or SAX (Simple API for XML) events in programmatic representations, may be serialized to an XML 1.0/1.1 document or, as specified by the Fast Infoset standard, may be serialized to a Fast Infoset document. Fast Infoset documents are generally smaller in size and faster to parse and serialize than equivalent XML documents. This is especially important if such documents are to be sent over a network.

POCO Fast Infoset is well integrated with the POCO C++ Libraries XML library. Like XML files, Fast Infoset files can be parsed with a SAX or a DOM parser. Fast Infoset parsing is fully transparent – to the application it makes no difference whether the data comes from an XML or a Fast Infoset document.

#### INTEROPERABILITY

The POCO Fast Infoset implementation has been successfully tested for interoperability with implementations from other vendors as part of the Fast Infoset Interoperability Project (<https://fi-interop.dev.java.net>).

Documents created by the POCO Fast Infoset library can be successfully parsed by Fast Infoset implementations for Java and .NET platforms, and vice versa.

#### SUPPORTED PLATFORMS

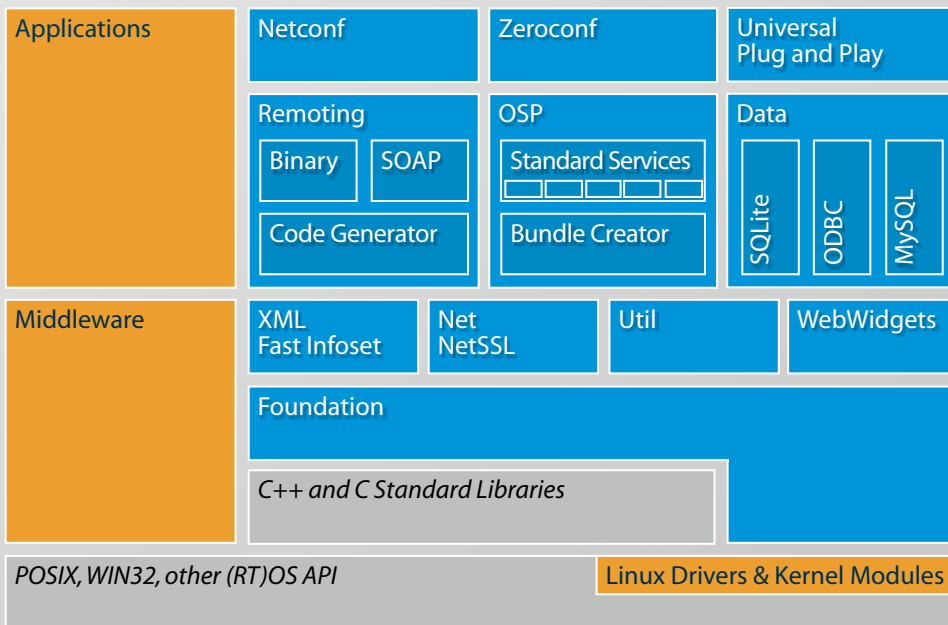
POCO Fast Infoset is available on a variety of platforms. All major desktop and server platforms are supported, including Windows, Mac OS X, Linux and Solaris. POSIX-compliant embedded/real-time operating systems, including embedded Linux are supported as well. The POCO Fast Infoset library code is highly portable and can be easily ported to new platforms.

#### BASED ON THE POCO C++ LIBRARIES

The **POCO C++ Libraries** are a collection of open source C++ class libraries that simplify and accelerate the development of network-centric, portable applications in C++. The libraries integrate perfectly with the C++ Standard Library and fill many of the functional gaps left open by it. For more information on the POCO C++ libraries, please visit the POCO C++ Libraries Community Website at <http://pocoproject.org>.

#### PART OF THE POCO PLATFORM

The **POCO Platform** is a comprehensive and powerful collection of C++ software components, libraries and tools for the development of networked/distributed and server applications in C++, scalable from embedded to enterprise platforms. Based on the open source POCO C++ Libraries, the POCO Platform provides a solid foundation for every network-based C++ software development project.



- Customer-specific software development
- Off-the-shelf libraries and tools
- Operating System/ Standard Libraries

Fast Infoset Feature	Supported
<i>Basic Features</i>	
Read Fast Infoset documents	✓
Write Fast Infoset documents	✓
Convert from XML to Fast Infoset	✓
Convert from Fast Infoset to XML	✓
<i>Dictionaries</i>	
Encoding Algorithm	✓
Prefix	✓
Namespace	✓
Local Name	✓
Other NCName	✓
Other URI	✓
Attribute Value	✓
Other String	✓
Character Content Chunk	✓
Element Name	✓
Attribute Name	✓
Restricted Alphabet	✓

Fast Infoset Feature	Supported
<i>Character Encodings</i>	
UTF-8	✓
UTF-16	✓
Restricted Alphabet	✓
Encoding Algorithm	✓
<i>Encoding Algorithms</i>	
hex	✓
dword (base64)	✓
short	✓
int	✓
long	✓
bool	✓
float	✓
double	✓
UUID	✓
CDATA	✓

## FREE EVALUATION

Visit <http://www.appinf.com/en/products/> and register to receive a free 30 day evaluation version of the Applied Informatics POCO Platform, including the Fast Infoset library.



## CONTACT US FOR MORE INFORMATION

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