

Fast, scalable conversion between EDI and XML

Product Brief

DataDirect XML Converters™

DataDirect XML Converters™ are high-performance Java™ and .NET components that provide bi-directional, programmatic access to virtually any non-XML file including EDI, flat files, and other legacy formats. DataDirect XML Converters allow developers to seamlessly stream any non-XML data as XML to industry leading XML processing components or to any application. They support StAX, SAX, XmlReader, XmlWriter, DOM and I/O streaming interfaces, and can be embedded directly for transformation purposes, or as part of a chain of programs including XSLT and XQuery, or even inside XML pipelines. DataDirect XML Converters maximize developer productivity and provide a fast, scalable solution for converting between EDI and other legacy formats and XML.



Improve Productivity – Easily Transform EDI and Flat Files to XML

Today's Web services, Web sites, and data integration needs are based on XML. Enterprises are dealing with myriad legacy EDI and flat file types, often requiring intense manual coding to convert to XML. DataDirect XML Converters automatically transform thousands of EDI and Flat File formats to XML and back – with no development required – they maximize developer productivity and provide a fast, scalable solution.

DataDirect XML Converters offer a productive, scalable and easily embeddable data conversion solution which leverages your existing Java or .NET applications and/or industry leading XML processing components. Overall, you'll find that this approach is far more cost-effective than alternative approaches

Standards Based

DataDirect XML Converters supports the following standards: flat-files, EDIFACT, HL7, IATA (PADIS), X12, EANCOM, SEF, Edig@s and HIPAA. This allows customers to use the latest versions of these standards and seamlessly interoperate with their trading partners, who may be using different versions of the standards.

Standard Exchange Format (SEF) Support

DataDirect XML Converters supports the EDI Standard

Exchange Format (SEF), an "open" standard that allows you to describe proprietary EDI message types. You can create a SEF extension file, which contains the definitions of your enterprise's custom EDI message, and then use that file with DataDirect XML Converters when converting your EDI files to XML, and vice versa.

XML Schema Support

In many cases, users need to know what XML Schema is output (or required as input) by a converter; DataDirect XML Converters provide an API for dynamically fetching the XML Schema corresponding to a conversion.

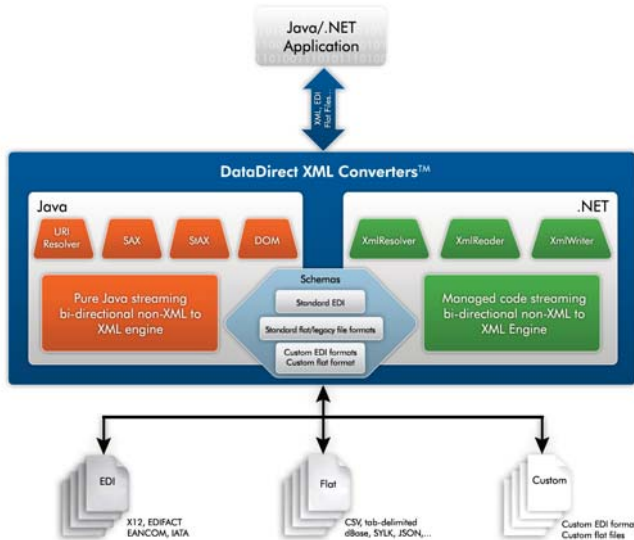
Document Streaming for Performance and Scalability

DataDirect XML Converters use streaming XML technology. This design allows the easy manipulation of large documents through a streaming architecture design. They leverage the SAX, StAX, XmlReader and XmlWriter streaming XML APIs.

Easily Embeddable

DataDirect XML Converters are easily embeddable into Java and .NET applications, or your XML processing component. They require no other product or application server, and have no server of their own.

DataDirect XML Converters™



Data Source Support

X12
HL7
HIPAA
IATA
EDIFACT
EDIG@S
SEF
dBase, CSV, Tabbed
Delimited, Silk
EANCOM
Custom formats

Supports both .NET 2.0 or higher and any Java-enabled platform that supports J2SE 1.4.x or higher.

Features

Easy to Use

Maximizes developer productivity by using standard, well known XML and I/O interfaces to provide a fast, scalable solution for converting between EDI and other legacy formats and XML.

Standards Support

Extensive support of thousands of EDI schemas and Flat File types.

HIPAA Support

The HIPAA EDI dialect is now supported, including support for 004010A1, 005010, 005010A1 messages.

SEF Support

Enhanced support for the SEF grammar, the ability to load SEF files programmatically, and integration with Stylus Studio's EDI to XML Module, which allows you to build and test SEF extensions using a graphic user interface (GUI) without writing any code.

Streaming Interfaces

Support for streaming interfaces including StAX, SAX, XmlReader, XmlWriter, DOM and I/O drastically reduces the amount of memory required when processing large EDI and XML documents - including files in the multiple GigaByte Range.

Platform Support

Provides full support for .NET and J2EE environments.

Benefits

XML Tools for DataDirect XML Converter Development

Supported formats are enabled out-of-the-box with no development and custom formats can be address with Stylus Studio®, an award-winning XML IDE with advanced XQuery development support including integration with DataDirect XQuery. Stylus Studio allows for the creation of custom mappings to file formats not currently supported. Stylus Studio is available for Windows 2000 SP2, Windows XP or Windows Vista. Visit the Stylus Studio Web site for more information: www.stylusstudio.com.

The DataDirect XML Converters are packaged separately based on data source support, or in a bundle giving you access to all supported file types and Stylus Studio Enterprise Edition.

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