

## IBM's Tools of Choice for Working with pureXML™ on DB2® 9

With over 3 million registered users worldwide, Altova is a major player in the software tools industry and the undisputed leader in XML (eXtensible Markup Language) development tools.



In 2006, IBM commissioned Altova to build specialized capabilities for deep integration with DB2 9 into its line of XML and data management tools. These capabilities were designed to empower customers working with XML, XML Schema, XQuery, and other XML-related technologies supported

by DB2 9 and to provide a competitive advantage to IBM in this burgeoning technology segment. The resulting strategic partnership allows IBM to leverage the Altova brand to increase its market reach and drive demand for pureXML on the DB2 9 data server.

Named by IBM as "the tools of choice for pureXML on DB2", developers and DBAs are sure to appreciate the exclusive new features in Altova XMLSpy®, MapForce®, StyleVision®, and DatabaseSpy™, which now offer users unprecedented capabilities for editing, exchanging, transforming, and querying XML data stored in DB2 9 databases. Together, the industry's most advanced XML-enabled data server from IBM and these leading tools from Altova comprise the ultimate XML / data server solution for anyone needing to access, utilize, or store XML content.

Altova's tools for pureXML are key for developers and DBAs. XML is quickly becoming a predominant format for data exchange, and information management professionals need capabilities to store, access, and manipulate XML data natively. The combination of the market leading database-enabled XML tools from Altova together with the industry's most advanced XML-enabled data server from IBM provides customers with the optimal solution to address this requirement.

Salvatore Vella, Vice President, IBM DB2 Data Server Development



Altova XMLSpy is the industry standard XML development environment for modeling, editing, transforming, and debugging XML-related technologies. It offers the world's leading XML editor, the original graphical schema designer, a code generator, file converters, debuggers, profilers, full database integration, support for WSDL, SOAP, XSLT, XPath, XQuery, and Open XML document formats, plus Eclipse and Visual Studio plug-ins, and more.

- >> Connects to directly to IBM DB2 and all major databases
- >> Infers XML Schemas from existing database schemas
- >> Generates database schemas from XML Schemas
- >> Imports relational data into XML
- >> Exports XML data to relational databases
- Allows direct querying of DB2 databases using SQL, SQL/XML, or XQuery
- >> Supports direct editing and saving of database data
- Facilitates developing, debugging, and profiling XQuery documents, and executing them against XML data in DB2 databases
- >> Supports IBM's DB2 XQuery extensions
- >> Provides user-friendly features for registering XML Schemas in DB2 databases



Altova MapForce is the premier data mapping, conversion, and integration tool. It maps between any combination of XML, database, flat file, EDI, and/or Web service then transforms data instantly or auto-generates a royalty-free data integration applet for use in execution of recurrent conversions. Languages for code generation include XSLT 1.0, XSLT 2.0, XQuery, Java, C#, and C++

- >> Connects to IBM DB2 and all major databases
- >> Converts data from any supported database type to any other (e.g., MySQL to DB2, etc.)
- Maps data from XML, flat files, EDI, Web services, and/or other databases into DB2 databases
- >> Maps XML and relational data from DB2 databases into XML, flat files, EDI, Web services, and/or other databases
- >> Connects DB2 databases and other data sources to Web services operations
- Allows easy querying and editing of DB2 data via its Database Query tab

## Altova® XML and Data Management Software Tools





Altova StyleVision is the ultimate visual stylesheet designer for transforming XML and database content into eye-catching HTML pages, Word/RTF documents, PDF reports, and intuitive Authentic® electronic forms. StyleVision is standards-based and supports XSLT, XSL:FO, CSS, JavaScript, and all major databases. It is optimized for single source publishing and allows multiple output styles from a single stylesheet design.

- >> Connects to IBM DB2 and all major databases
- >> Renders relational and XML content stored in DB2 databases into HTML pages, Word/RTF documents, and PDF reports
- Senerates database-enabled electronic forms for use with Authentic. Altova's FREE XML and database content editor
- >> Allows easy querying and editing of DB2 data via its Database Query tab



Altova DatabaseSpy is the unique multi-database query and design tool that connects to all major databases, easing SQL editing and database structure design for a fraction of the cost of single-database solutions. Features like table browsing, data editing, SQL auto-completion, visual table design, multiple export formats, and more, all save time and ensure accuracy. It is the one tool to finally liberate data management.

- >> Connects to IBM DB2 and all major databases
- Allows connections to multiple databases of differing types simultaneously
- Facilitates SQL query writing with capabilities like code completion, syntax coloring, drag & drop editing, and more
- Presents database tables, views, and data in easily navigable windows
- Supports creation and editing of database views and stored procedures
- >> Enables interactive editing of database data
- >> Enables graphical design and visualization of database tables
- Includes advanced support for viewing XML Schemas registered in DB2 databases
- >> Supports adding new columns containing XML data to DB2 databases, with detailed access to XML datatypes



The Altova MissionKit is the secret to savings on top software tools. Get up to eight Altova XML, data management, UML, and Web services software tools for less than the price of two!\*

- >> All MissionKits include XMLSpy, MapForce, and StyleVision
- >> Available options add DatabaseSpy, plus UModel, SchemaAgent, DiffDog, and SemanticWorks

For more information on how Altova products integrate with IBM DB2 9, please visit: http://www.altova.com/IBM\_DB2\_9\_pureXML.html All Altova products are available for download and 30-day FREE trial at: http://www.altova.com/download.html

Altova was the clear choice when it came to selecting a tools vendor for our DB2 9 pureXML data server. Altova XMLSpy is well known in the industry as the de facto standard IDE for XML and is highly regarded by IBM customers. In addition, Altova offers several other XML, data management, and Web services tools that are powerful, easy to use, and, like XMLSpy, provide essential connectivity to DB2.

Bernie Spang, Director, IBM Data Servers

When IBM approached Altova and asked us to integrate our XML and data management tools with DB2 9, we knew we had an unbeatable opportunity to help customers unleash the potential of their data. The new, specialized features in XMLSpy, MapForce, StyleVision, and DatabaseSpy make it practical to develop pureXML applications and to convert, publish, and manage pureXML data with ease.

Alexander Falk, President and CEO, Altova

<sup>\*</sup> Pricing comparison is edition-specific and based on Altova MissionKit vs. any two individual licenses of the following included products: XMLSpy, MapForce, and StyleVision.