STYLUS STUDIO

DATASHEET

KEY FEATURES

> XQuery Mapper, Editor, and Debugger

> DB-to-XML Data Source Editor

> Web Service Call Composer

> XSLT Mapper, Editor, and Debugger

> XML-to-HTML WYSIWYG Designer

> XML Schema Designer

> XML Editor

> XQuery and XSLT Profilers

> Industry Schema Catalogs
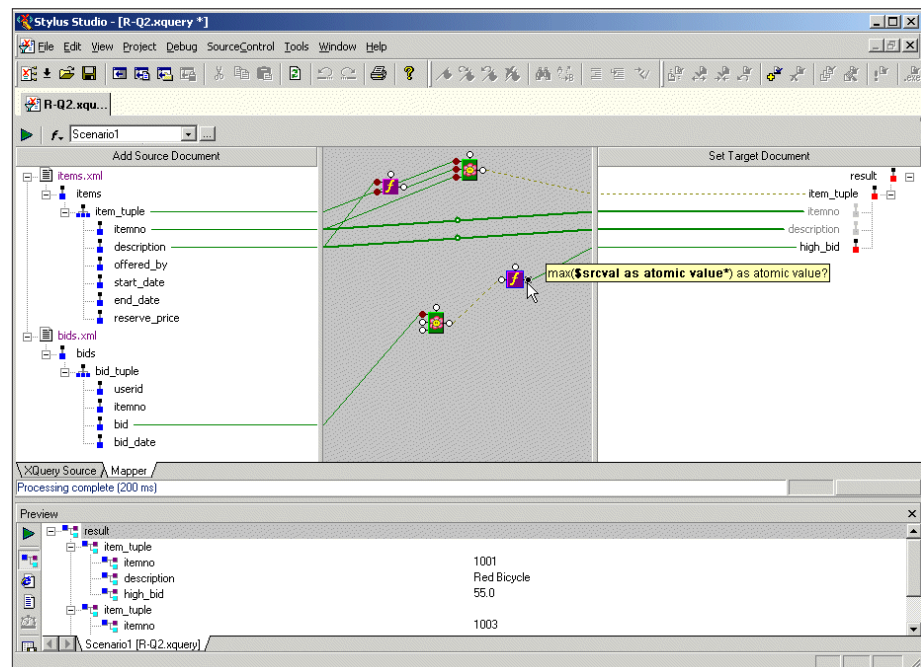
> Document Converters

SUPPORTED STANDARDS

> XQuery (W3C Nov 03 Spec)

> XML, XML Schema, DTD

> XPath 2.0 and XPath 1.0

> XSLT

> XSL Formatting Objects

> HTML, SVG

INTEGRATED DEVELOPMENT ENVIRONMENT FOR XQUERY, XML, XML SCHEMA AND XSLT

Overview

Sonic Stylus Studio sets the benchmark for XML development productivity. With over 100,000 users worldwide, Stylus Studio provides XML developers and data integration specialists with a comprehensive toolset for managing XML data transformation and aggregation.
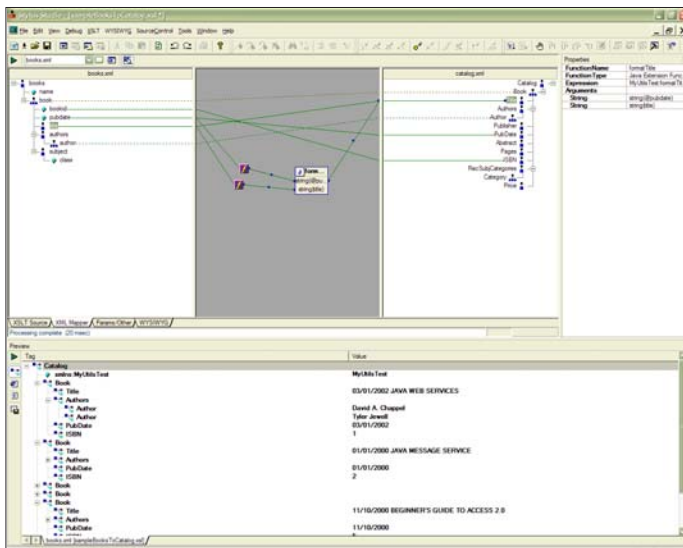
Whether you are working with latest XQuery specification or wrestling with complex XSLT stylesheets, Stylus Studio is designed to make your life easier. We are committed to delivering productivity through innovation. Graphical mappers, code generators, unique back-mapping technology, integrated debugging, start-of-the-art profilers – all add up to the most advanced XML development environment available

The XQuery Mapper in Stylus Studio is an innovative visual programming tool for generating XQuery. Just draw the relationships between XML sources and targets, specify the integration logic, and Stylus Studio does the rest!

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SOFTWARE™

The XSLT editor has built-in knowledge of all XSLT instructions and Sense:X™ auto-completion to ensure well-formed XML.

XQUERY MAPPER, EDITOR AND DEBUGGER

Stylus Studio's innovative XQuery Mapper lets you drag-and-drop XML sources to XML targets and automatically generate XQuery code. Powerful back-mapping technology and integrated debugging go that extra step to make Stylus Studio the most advanced XQuery tool on the market. Get ahead of the curve on the powerful new XQuery with features such as:

> The XQuery Mapper and Editor, an innovative visual programming tool for specifying FLWOR aggregation logic
> Full 2-way round-trip editing, allowing for the XQuery source to be edited directly and to have the changes reflected in the Graphical view (and vice-versa)
> Back-mapping support that lets you trace from a result to the line of XQuery that generated it
> Powerful debugging with breakpoints, stack trace, variable watch, XPath expression evaluation, step-in, step-out, and full language debugging of XQuery
> Support for the November 2003 World Wide Web Consortium (W3C) XQuery specifications

DB-TO-XML DATA SOURCE EDITOR

Now you can use Stylus Studio to query and update relational data using the emerging SQL/XML standard. The DB-to-XML Data Source editor, new for 5.1, lets you:

> Define a data source for any one of several default relational databases, such as Oracle, DB2, SQL Server, and Informix.
> Optional DataDirect SequeLink, bundled with Stylus Studio, lets you work with any ODBC-compliant database as a data source.
> Flexible editing facility displays the schema of the database you connect to using an intuitive tree format
> Simple drag-and-drop operations quickly compose complex and error-free SELECT, UPDATE, and INSERT SQL/XML statements
> Use the query results anywhere in Stylus Studio – to build an XQuery using XQuery Mapper or to compose an XSLT stylesheet, for example.

WEB SERVICE SOAP COMPOSER

Use Stylus Studio to compose a SOAP request and test a web service without writing any code. With this feature, you can re-use the web service call as an XML document anywhere inside Stylus Studio. SOAP clients supported in Stylus Studio 5.1 include:

> MS SOAP Toolkit
> MS .NET
> Apache Axis

XSLT MAPPER, EDITOR AND DEBUGGER

The XSLT Mapper makes it possible to map one XML document to another with a series of drag & drop operations. As the graphical maps are being drawn, Stylus Studio generates the XSLT code. Features include:

> Improved support for named and matched templates, XSLT instructions (such as xsl:value-of and xsl:for-each), XSLT functions (such as string, concat, and sum), and XSLT conditional expressions and literal text blocks.
> Full 2-way round-trip editing, allowing XSLT source to be edited directly and to have the changes reflected in the Mapper view (and vice-versa)
> Sense:X auto-completion support for XSLT, XPath, XSL Formatting Objects, and HTML tags
> Back-mapping of generated output to XSLT source lets you click on the output in the preview window and see the exact line of XSLT source that produced it
> Powerful debugging with breakpoints, stack trace, variable watch, XPath expression evaluation, step-in, step-out, and full language debugging of XSLT extensions written in Java, JScript, and VBScript
> Powerful scenario-based testing capabilities
> Support for Xalan-J, Saxon, MSXML .Net and Stylus Studio's XSLT processors

XML-TO-HTML XSLT WYSIWYG DESIGNER

The WYSIWYG (What You See Is What You Get) Designer generates HTML from XML and leverages the full power of Stylus Studio's best-in-class XSLT editing and debugging capabilities. The XSLT Designer displays an HTML editing canvas on which you can:

> Edit the XSLT source directly and have the WYSIWYG view see those changes (and vice versa)

> Enter and format text
> Insert tables, forms, buttons, checkboxes, text areas, images and tables
> Drag nodes from the XML source tree to the HTML editing canvas and select XSLT operations on those nodes like creating tables or displaying the value-of for individual elements or attributes
> Edit the XSLT source directly and have the WYSIWYG view see those changes (and vice versa)

XML SCHEMA DESIGNER WITH DOCUMENTATION GENERATOR

The XML Schema Designer is a graphical editor for generating, viewing and editing XML Schema documents. Advanced developers can also edit source files directly in text mode, using the Sense:X™ auto-completion to ensure well-formed and valid schema documents. Features include:

> Browsing, editing and validating schema in either text, tree or diagram mode
> Graphical diagrams that represent element structure, simple and complex types
> Documentation is generated as an HTML file and can be fully customized by modifying the included stylesheet

MULTIPLE XML SCHEMA VALIDATION ENGINES

You can configure Stylus Studio to use several popular XML Schema validation engines including:

> Microsoft MSXML
> .Net Parser
> Apache XercesJ

Or you can add your own custom validation engine.

XML EDITOR WITH FULL XPATH INTEGRATION

Stylus Studio provides XML editing facilities for the creation and editing of XML documents. Features include:

> Text, tree and grid views
> Editing of large documents (multimegabytes in size)
> Integrated XPath Sense:X™ auto-completion with back-mapping of query results to source document
> Syntax coloring and Sense:X™ auto-completion of elements, tags and attributes
> Schema validation and creation of new schemas with the click of a button
> Support for XPath 1.0 and 2.0

XQUERY AND XSLT PROFILERS

XQuery and XSLT profilers provide you with detailed performance statistics in a customizable HTML report. The report shows you how efficiently your XQuery or XSLT code is being executed.
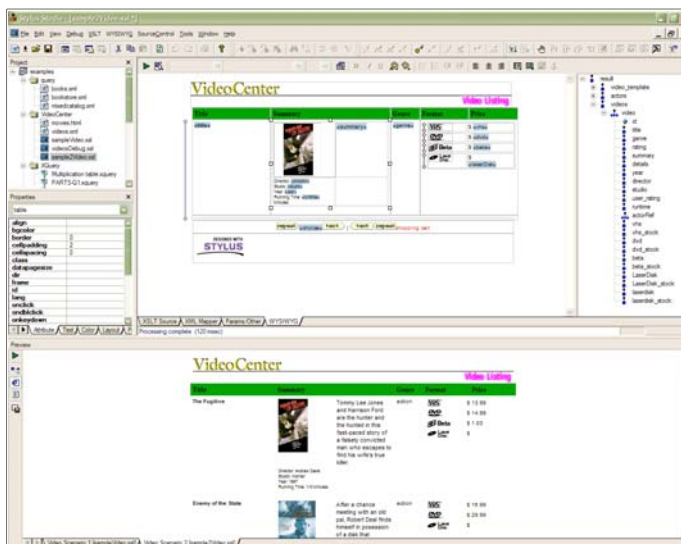
STYLUS DOCUMENT CONVERTERS AND WIZARDS

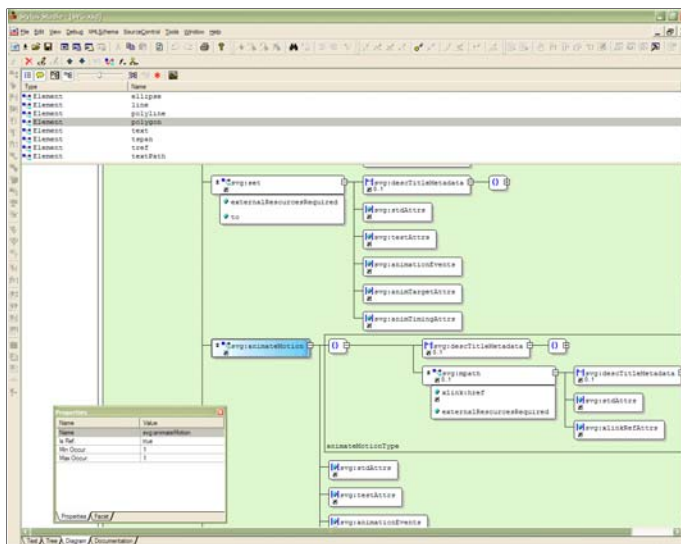Stylus Studio includes a set of document wizards that help you build:

> XSLT from HTML sources
> XML documents from ADO data sources (including RDBMS)
> Comma-separated-value text files (CSV) from XML documents
> DTD or XML Schema from XML documents
> XML Schemas from DTD

"Stylus Studio 5.0 has rapidly become the indispensable tool for my work. The XSLT intelli-sense alone makes it worth the license fee, it simply blows competing products out of the water. Add to that the WYSIWYG XSLT designer, visual XML data mapping, the scenario creator, XPATH query tool, and auto documentation and you have what represents the only XML IDE worth considering."

Dean Murphy
Product Communication Manager
Convergys EMEA Ltd.

The XML to HTML Designer lets you build easily build dynamic HTML from XML documents.

The XML Schema Designer lets you work with text, tree, or diagram views.

PROJECT SUPPORT

Stylus Studio provides a project framework to help you manage the various files in an XML application and supports full integration with source control systems such as CVS, ClearCase and Visual Source Safe.

INDUSTRY SCHEMA CATALOGS

A number of general purpose schemas come bundled with the Stylus Studio installation. You can also access a large repository of over 2,000 industry schemas through a Catalog wizard inside Stylus Studio.

RICH SAMPLE APPLICATIONS

Stylus Studio includes sample applications for XSLT, XQuery and XML. You can use these samples as templates to get you started. For example, Stylus Studio includes sample stylesheets for generating:

> PDF via Formatting objects (FOs)
> Scalable Vector Graphics (SVG)

WIDE RANGE OF REPOSITORY OPTIONS

Stylus Studio supports saving and retrieving files from a wide range of repositories including:

> File system
> WebDAV/HTTP (for integration content-management systems and other native XML databases)
> FTP
> Custom file systems

ABOUT STYLUS STUDIO

Stylus Studio is the first and only XML Integrated Development Environment (IDE) to support XML development in all major technologies: XML, XSL, XSLT, XML Schema, DTD, SOAP, WSDL, SQL/XML and XQuery, and is used by over 100,000 software developers world-wide. Stylus Studio 5.3 adds powerful new functionality and usability enhancements to an award-winning XML IDE, simplifying XML programming and enhancing developer productivity through innovation. For a complete listing of new product features, visit http://www.stylusstudio.com. Additional technical product information is available at http://www.developxml.com.

AVAILABILITY

Stylus Studio is available for evaluation download and electronic purchase from www.StylusStudio.com. All sale inquiries for bulk licensing or purchase orders should be directed via email to StylusStudio@sonicsoftware.com.

SYSTEM REQUIREMENTS

Stylus Studio requires a Pentium class PC with at least 128MB of memory running Windows 2000 or Windows XP.

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