

# Tamino

## X-Studio

## Powerful XML Tools for Electronic Business

Tamino X-Studio is a complete suite of application development tools for programmers creating XML-based applications for the first time. Tamino X-Studio's tool suite includes an easy-to-use application-generation wizard, class generation tools, as well as an integrated set of complementary standard XML tools from technology partners. Combined, these tools enable rapid development of scalable XML-based applications and authoring of XML documents, schemas and style-sheets. Tamino X-Studio is an integral part of the Tamino XML Platform, a comprehensive set of products for building enterprise-scale XML-based applications.

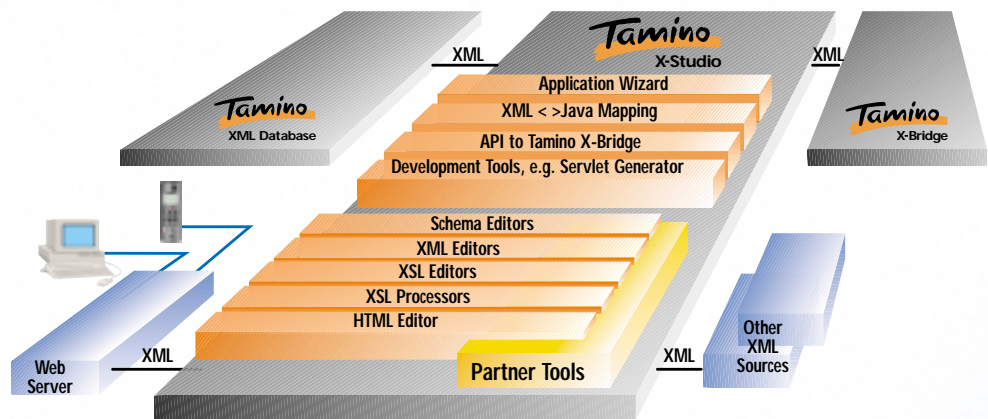
### KICK-START FOR XML DEVELOPERS

IT industry analysts agree that XML is optimally suited for managing the diversity of data, applications and devices for electronic business applications. But what tools are available to get the budding application developer up to speed quickly? X-Studio simplifies the transition for Java programmers to XML development by building on their existing object-oriented development skills. With X-Studio, the programmer can continue working with familiar object-oriented programming techniques and does not have to worry about low-level access to XML documents, as provided, for example, by the DOM API. This approach improves productivity while ensuring total access to XML data.

### X-STUDIO'S PRINCIPAL COMPONENTS

X-Studio offers the following features:

- Tamino Class Generation;
- DTD Class Generation;
- Generic Support for XML;
- Application Generation Wizard;
- Suite of XML Productivity Tools.



### TAMINO CLASS GENERATION

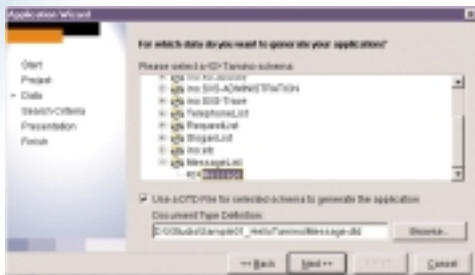
As Software AG's Tamino XML Database is the leading native XML database, Tamino X-Studio offers tight integration with Tamino XML Database. Tamino X-Studio includes a utility that generates object-oriented class hierarchies from Tamino schemas, and makes reading from and writing to Tamino XML Database transactionally consistent.

### DTD CLASS GENERATION

Not only does Tamino X-Studio support Tamino XML Database, it also generates object classes from non-Tamino DTDs and provides read/write support.

### WIZARD FOR APPLICATION GENERATION

To get you off to a flying start, Tamino X-Studio includes a wizard that, with just a few mouse clicks, generates a complete Java application based on an XML schema. The generated application has a professional and robust three-tier architecture with database access, business logic and presentation layers providing create, read, update and delete access to the XML data, all under proper database transaction control. The user-interface layer is XML-based. The wizard generates the browser interface using HTML



templates and XSL stylesheets. The interface's look and feel is fully customizable.



## SUITE OF XML PRODUCTIVITY TOOLS

Tamino X-Studio comes with a set of the very best tools the industry has to offer for manipulating XML and simplifying the task of creating powerful XML applications:

- XML Authority (Extensibility Inc.)**  
 An XML schema editor that accelerates the creation, conversion, and management of XML schemas (including Tamino XML Database schemas). Its intuitive and graphical environment provides users with a powerful environment for the creation of e-business infrastructures.
- XML Instance (Extensibility Inc.)**  
 A schema-driven data editor for the creation, editing, and management of data-oriented XML documents, messages, and configuration files. It enables users to edit and validate XML business documents that conform to a DTD or XML schema in any prominent XML schema dialect.
- XML Console (Extensibility Inc.)**  
 A comprehensive solution for the project management of a single or batch of XML schema files or XML business document files. It enables the centralized batch conversion, validation and management of these documents within a workgroup.
 <http://www.extensibility.com>
- XMetal (SoftQuad Ltd.)**  
 XML document instance editor that simplifies the task of creating and manipulating XML documents.
 <http://www.xmetal.com>
- Stylus (Excelon Corporation)**  
 An integrated environment for creating, managing and maintaining XSL stylesheets.
 <http://www.exceloncorp.com>
- Breeze XML Studio (The BreezeFactor LLC)**  
 Simplifies and accelerates XML development by creating Java classes that encapsulate XML parsing and validation and which have methods that map directly to XML data elements and attributes.
 <http://www.breezefactor.com>
- XT (James Clark)**  
 James Clark's Java-based implementation of XSL transformations.
 <http://www.jclark.com/xml/xt.html>
- Xalan (The Apache XML Project)**  
 Full implementation of the W3C recommendations for XSLT and XPath.
 <http://xml.apache.org/xalan/overview.html>
- HotMetal (SoftQuad Ltd.)**  
 A leading HTML page or website development tool.
 <http://www.hotmetalpro.com>

## DEVELOPMENT ENVIRONMENT

Tamino X-Studio comes with a professional development environment for creating Java applications. The following features are included:

- Development repository;
- Compiler;
- Debugger;
- Export/Import utility;
- Servlet generator;
- Deployment utility;
- SAX XML parser support.

## TAMINO X-BRIDGE INTEGRATION

Tamino X-Studio generates all the classes the programmer needs in order to be able to integrate applications via Tamino X-Bridge, Software AG's XML content-based middleware.

## PLATFORMS

Tamino X-Studio is available on:

- Windows NT 4.0
- Windows 2000 Professional

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