

webMethods Tamino XML Server

PROCESS, GENERATE, AND EXCHANGE XML DOCUMENTS ON THE FLY

The webMethods Tamino XML Server from Software AG is an award-winning, high-performance XML server for data management based on standard Internet technologies. Tamino is a powerful XML engine providing all functionality necessary to process, generate, and exchange XML documents on the fly.

Dynamic XML Server Core

webMethods Tamino XML Server is an extremely versatile server for all types of structured and unstructured data. The XML server core provides the basic infrastructure to run the XML server, including:

- Internal high-performance XML parser
- Data map (schema container)
 - Stores/indexes XML documents
 - Maps data to RDBMSs, Adabas, etc.
- Server extensions/triggers
- Various index types for simple/complex elements and attributes
- Back up, restore, disaster recovery, etc.
- High availability
- Local and distributed transactions

Tamino's core enables you to build server extensions and connect external databases. The core is augmented by core services and enabling services.

Core Services

The core services are basic functional components immediately available after product installation.

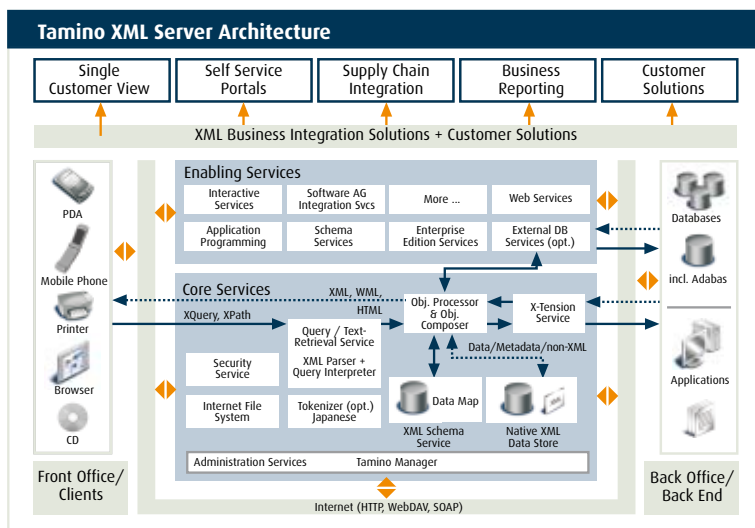
Native XML Data Store

- Accessible via HTTP-based DOM, JDOM, SAX APIs and SOAP services
- Storage capacity for the following documents, messages and meta data:
 - Well-formed, valid-, non-XML
- Auto-versioning supported via WebDAV and subversion

Query/Text Retrieval Services

Tamino XML Server's built-in query interpreter provides:

- Extensive W3C XQuery support including updates, cross-collection joins, user-defined functions, modules, external variables, etc.
- Unique, collective searches on data, meta-data, and non-XML data (e.g. full text) with-in XQuery-embedded functions
- Infrastructure for thesaurus, word stemming, phonetic searches, and highlighting



Supported Platforms

- Windows 2003 (Server, Enterprise)
- Windows XP (Professional)
- Windows Vista
- Sun Solaris 9 and 10
- IBM AIX 5L v5.3 and v6.1
- HP uX 11i v3 (PA-RISC and Itanium)
- SUSE Linux Enterprise Server
- Red Hat Enterprise Linux Advanced Server 5

Highlights

- Enterprise-wide connectivity enabled by Web services support
- High performance and scalability
- High productivity
- Significant cost and time savings
- High availability, replication
- Maximum security
- Collaboration among business partners
- Easy use and administration
- Support for .NET, J2EE and J2EE-compliant application servers
- Based on open Internet standards

Administration Service

Tamino Manager is a Tamino XML Server-specific plug-in for Software AG's systems management hub, a browser-based management console for central set up, control, monitoring, and performance tuning of Tamino. It supports batch operation, parallel backups, hardware-based backup (EMC Symmetrix, Network Appliance), and Microsoft's management console.

XML Schema Service

Tamino XML Server allows to create schemas based on DTDs and XML Schema Highlights:

- Fully-fledged XML Schema V1.0 support
- Schema-based indexing
- Index redefinition

X-Tension Service

- Server functionality customization (in Java)
- X-Tension triggers (user-definable rules for document consistency, composition, and actions)
- Connection to external applications based on COM and the Java VM
- XQuery support for X-Tension

Security Service

Built-in protection of stored data:

- Database-specific rights
- Security settings applicable at node level and to X-Tension functions
- Authentication checks, also against external LDAP Directory Services on iPlanet Directory Server (Netscape, Sun ONE), MS Active Directory Service, and the OpenLDAP Server
- SSL encryption
- Instance-based setting of access rights

Enabling Services

The enabling services provide an additional layer of value on top of Tamino Internet File System Support (WebDAV)

- Provides easy drag-and-drop access to Tamino XML Server data using WebDAV-enabled browsers or applications
- Integrated versioning, check-in/check-out capability (DeltaV), querying (WebDAV Search-draft), access control
- Subversion support

Application Programming Services

These include the following:

- APIs for DOM/JDOM/SAX access to Tamino data via Java, JScript, ActiveX, Perl, etc.
 - A Tamino Resource Adapter provides JCA-based access from application servers to Tamino (= non-SQL) for transactional purposes
- A Web server-less API and a Tamino API for .NET
- Generation of Web services for Tamino access

External Database Services

- Access to external DBs via open API
- Optional Tamino X-Nodes for various hardware platforms and operating systems. XQuery access to and update of external databases

Replication Service¹

- Asynchronous, asymmetric replication for high availability
- Replication of entire database
- Concurrent read (load-balancing)

Clustering Service¹

- Veritas Cluster Server supported for Solaris (others on request²)

Interactive Services

- Allow ad hoc access to and query of Tamino via browser-based GUIs
- Provides a built-in schema editor
- Synchronous access to back-ends via Software AG's Enterprise Legacy Integrator
- Bidirectional integration to the webMethods Integration Server via an adapter

Tamino Server Availability

- Enterprise Edition (full license)
- Standard Edition (restricted)
- Developer Edition (restricted, annual license (All localizable on request.))

Take the next step to get there - faster.

Tamino Developer Community:
www.tamino.com/developer

To find the Software AG office near you, visit www.SoftwareAG.com

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1 Available with Enterprise Edition only!

2 Not supported but implementation service available