

Alliance XML/400 for IBM i Evaluation Guide



Use This Guide to Evaluate Alliance XML for IBM i

Alliance XML/400 is the most complete XML and Web Services solution for the IBM i. We encourage you to compare Alliance XML/400 to any other product. We provide this evaluation matrix to assist in the comparison.

About Townsend Security

Townsend Security provides data encryption & tokenization, key management, secure communications, and compliance logging solutions to Enterprise customers on a variety of server platforms including IBM i, IBM z, Windows, Linux, and UNIX. The company can be reached on the web at www.townsendsecurity.com, or (800) 357-1019.



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Feature	Alliance XML/400	Alternative Solution
XML Parsing		
Xerces version 2 validating parser	Yes	
SAX 2.0 and Extensions parser support	Yes	
DOM Level 3 parser support	Yes	
XML namespace support	Yes	
XML Schema validation	Yes	
SOAP/XML support	Yes	
Pre-started parsing jobs for performance	Yes	
UTF-8 and UTF-16 support	Yes	

XML Translation		
Requires programming for XML translation	No	
Translate XML data and attributes to iSeries data format	Yes	
ASCII / EBCDIC translation	Yes	
Translate XML to iSeries DB2 database	Yes	
Memory Resident Translation to Data Queue with Shared Memory for high volume transaction support	Yes	
Translate DB2 database to XML	Yes	
Base64 encode and decode	Yes	
XML CDATA passthrough	Yes	
SHA1 hash support	Yes	
Encryption of sensitive data for compliance	Yes	
Automatic date, time, timestamp support	Yes	

Feature	Alliance XML/400	Alternative Solution
XML Translation (cont.)		
Automatically Extract PDF, HTML, text to IFS file or field	Yes	
Translate XML data to multiple files / fields	Yes	
Assigns unique transaction Ids to user fields	Yes	
User exit program at field level	Yes	
Control level break processing	Yes	
Pre-started jobs for performance tuning	Yes	
User authentication for database access	Yes	
User exit programs on translation completion	Yes	
Automatic XML escape characters	Yes	

Mapping		
User friendly XML to database field mapping	Yes	
User friendly database to XML mapping	Yes	
Automatic import XML document to map	Yes	
Automatic generation of maps from XML document	Yes	
Map import and export for production migration	Yes	
Integrated with PDM/SEU for easy change	Yes	
Dynamic translation from map definition	Yes	
View data with DFU, DBU, etc.	Yes	
Data truncation and rounding options	Yes	
Multiple date and time formats	Yes	

Feature	Alliance XML/400	Alternative Solution
Transports		
HTTP and HTTPS servers built-in (no Apache required)	Yes	
HTTP and HTTPS servers scalable for number of instances	Yes	
HTTP and HTTPS client applications built-in (IE compatible)	Yes	
HTTP and HTTPS client POST and GET capable	Yes	
Proxy negotiation support	Yes	
Microsoft SharePoint, IIS, and .NET WebDAV support	Yes	
Websphere MQ (MQSeries) integration	Yes	
Non-standard HTTP header support	Yes	
FTP automation (send and receive)	Yes	
IFS file and QNTC input and output	Yes	
Dynamic XML map assignment based on HTTP URL data	Yes	
Dynamic XML map assignment based on XML document contents	Yes	
Dynamic XML map assignment based on XML SOAP Action header	Yes	
SSL (Secure Sockets Layer) encryption with IBM Digital Certificate Manager	Yes	

Automation		
Automatic receive and translate with HTTP or HTTPS server	Yes	
Automatic receive and translate with FTP	Yes	
Automatic receive and translate from MQSeries, multiple Queue Managers and Queues	Yes	
Automatic scan IFS, NFS, or QNTC directory and translate	Yes	

Feature	Alliance XML/400	Alternative Solution
Automation (continued)		
Automatic translate file in library and send via HTTP or HTTPS	Yes	
Automatic translate file in library and send via MQSeries	Yes	
Command and API support for user CL applications	Yes	

Commands, APIs, and Development		
Translate XML to DB2 database command (ALLTRNXML)	Yes	
Translate DB2 database to XML (ALLTRN400)	Yes	
Send XML document by HTTP (ALLSNDXML)	Yes	
Send XML document by HTTPS (ALLSNDXMLS)	Yes	
Send XML document by MQSeries (ALLSNDMQM)	Yes	
Catenate XML documents (ALLCAT)	Yes	
Delete IFS files with wildcard and retention date (ALLDELIFS)	Yes	
Send SMTP email message with attachment (SENDMAIL)	Yes	
Send SNMP trap message (SNDTRAPTXT)	Yes	
Send SNMP trap message by ID (SNDTRAPMSG)	Yes	
SHA1 hash data	Yes	
Triple DES encrypt/decrypt	Yes	
Base64 encode data	Yes	
Base64 encode file	Yes	
Create XML tag from DB2 data (CVT400ToXML)	Yes	

Feature	Alliance XML/400	Alternative Solution
Commands, APIs, and Development (cont.)		
Create XML tag set from map (XMTRNO)	Yes	
Integration with PDM and SEU	Yes	

Notification and Systems Management		
Error notification via SMTP email	Yes	
Error notification via SNMP network management trap messages	Yes	
Error notification to multiple message queues	Yes	
Diagnostic logging for parsing, translation, HTTP/HTTPS servers, and MQSeries	Yes	
Automatic archive of XML documents in error	Yes	
Subsystem, job queues, and classes provided for maximum user configuration control	Yes	
Data mirroring compatible	Yes	
Translation history file for compliance	Yes	

Installation		
Internet download with FTP install	Yes	
Product CD with LODRUN support	Yes	
External PC or server requirement	No	
Change to system values	No	
Change to IBM user profiles	No	

Feature	Alliance XML/400	Alternative Solution
Documentation		
User manual and API reference	Yes	
On line help for panels	Yes	
Command context sensitive help	Yes	
Quick Start guides	Yes	
On line release notes	Yes	
On line fix notes	Yes	

Training, Support, and Development Services		
Customer support telephone training	Yes	
On site training available	Yes	
Contract programming for XML projects	Yes	
Web based support incident tracking	Yes	
Fax support	Yes	
Phone support	Yes	
Email support	Yes	
Translation history file for compliance	Yes	

Notes: