

Alliance XML for IBM i Data Sheet



Web Services and XML Translation for the IBM i

Alliance XML/400 provides a complete secure web services solution for your IBM System i. With Alliance XML/400 you can automatically translate XML documents directly to your System i DB2 database files. When you want to create and send XML documents, Alliance XML reads your DB2 files and builds an XML document for you. Then you choose the communications protocols to deliver your XML data, including HTTP or HTTPS web communications, Microsoft SharePoint web folders, File Transfer Protocol (FTP), or Websphere MQ (MQSeries).

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.



Reduces Complexity

Automatically convert XML to and from IBM i DB2 without programming

Speeds Deployment

You spend less time on development and more time on increasing business

Improves Security

Supports encrypted transfer of sensitive data to HTTPS web servers and Microsoft SharePoint

Meets Compliance Regulations

Encrypts data to meet PCI, HIPAA, and Privacy Notification regulations

Reduces IT Costs

Spend less on your solution and less time on development

www.townsendsecurity.com

Web Server/Communication

- HTTP/HTTPS web server – no requirement for Websphere or Apache
- HTTP/HTTPS web client with command interface
- HTTP/HTTPS client proxy support
- SSL acceleration with native hardware support
- SOAP-Action header routing
- Microsoft .NET compatible
- Additional HTTP headers supported
- FTP send and receive
- Websphere MQ (MQSeries) integration with multiple queue managers and queues

Data Mapping

- Automatic map generation from XML
- Manual map creation from existing physical and logical files
- Map XML data to multiple files and fields
- Skip unwanted XML data
- Truncate character and round numeric options
- User exit options for value substitution
- System constant assignment for date, time, sequence, etc.

XML Parser

- Xerces version 2 implementation
- DOM and SAX parsing support
- Namespace support
- UTF-8, UTF-16 character support
- Unicode data conversion
- URL escape characters
- Memory-resident translation using shared memory and semaphores for high transaction volumes
- Schema validation (DTD, XSD)
- Pre-started parsing jobs for performance

Data Translation

- XML to database conversion
- Database to XML conversion
- XML attribute and tag translation
- Optional tag group handling
- Default date, time, sequence number assignment
- Complex database structures supported
- Translation via program APIs and commands
- Translate to data queue option
- Translate to IFS and Windows Network file system
- Translate to DDM file
- Automatic encryption of sensitive data
- Base64 decode to field
- Base64 decode to IFS file
- Base64 encode IFS file and import
- Base64 encode field
- Import IFS file to outbound XML document
- SHA-1 hash support
- CDATA support for inbound and outbound XML
- Pre-started translation jobs for performance

Security

- SSL implementation with IBM Digital Certificate Manager (DCM)
- Remote IP address control
- HTTP/HTTPS client authentication
- HTTP/HTTPS client proxy support
- Inbound XML with SQL user authentication
- Automatic encryption of sensitive data

Application Integration

- User exit from XML translation application integration
- User exit from HTTP/HTTPS server for dynamic application integration
- Receive translated XML to data queue

Application Integration (cont.)

- Websphere MQ (MQSeries) automation with Microsoft BizTalk support
- Automatic scan IFS, NFS or Microsoft Windows Network directory and translate
- HTTP and HTTPS client communications with command interface
- Translate database to XML command
- Send XML document to MQSeries
- User APIs for SMTP email send
- User APIs for POP email receive
- Sample RPG and Cobol source code

Utilities

- Base64 encode an IFS file
- Base64 decode an IFS file
- Catenate XML files command
- Remove additional XML headers from XML document

Alliance Solutions

- Alliance CRM Integration for SalesForce.com
- Alliance CRM Integration for RightNow
- Alliance Integration for Starwood Hotels Reservation system

Support

- Web, email, telephone support
- Optional 24/7 business interruption support
- On-site or remote installation support

Training

- Fully functional 30 day trial
- Customer support telephone walkthrough and training
- Tutorials with working examples
- Reference and programming guide
- On-line help on all commands and panels
- On site development services available

Services

- System design and development
- Trading partner management
- System support and maintenance

System Requirements

- IBM System i, iSeries or AS/400 RISC system, any model
- IBM i5/OS or OS/400 V5R2 or later

Contact Us

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