

The iWay Intelligent Adapter for HL7 dramatically reduces the amount of effort it takes to integrate HL7 documents with enterprise systems.

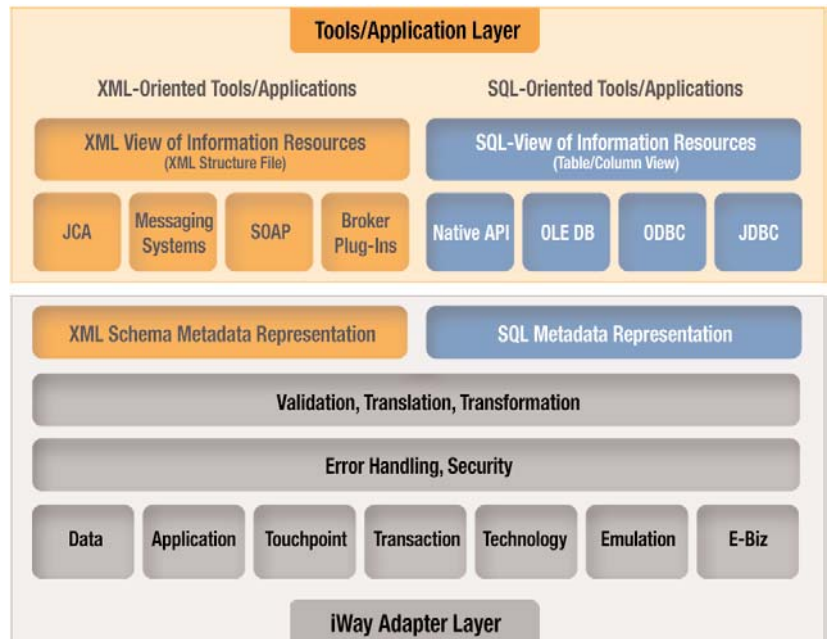
Product Highlights

- **Automatically transforms HL7 messages into XML documents and vice versa**
- **Provides a reusable mechanism for parsing, validating, and transforming HL7 documents without writing custom code**
- **Supports all major application servers, integration brokers, and development environments**
- **Provides robust and easy-to-maintain data dictionary approach to HL7-to-XML transformations**

iWay Intelligent Adapter for HL7 *Accelerating HL7 Integration*

iWay Software is the world's leading provider of integration tools and adapter technologies that deliver fluid, natural control over all of your enterprise information assets. Over 2,000 customers use our broad set of standards-based adapters to rapidly integrate their applications, e-business documents, and databases into a single virtual information system with shared data structures, transactions, and business logic. No matter how diverse or dissimilar the components of your IT infrastructure may be, iWay integration tools and adapters make them all accessible for e-business applications and integration projects.

Health Level Seven (HL7) is an application protocol for standardizing electronic data exchange of administrative, clinical, and financial information among independent healthcare-oriented systems. The iWay Intelligent Adapter for HL7 incorporates in-depth knowledge of the HL7 standard message specification to optimize the integration of HL7 transactions with back-end transaction processing systems across heterogeneous platforms and databases.



The iWay Intelligent Adapter for HL7 is part of the iWay Universal Adapter Framework, which makes it easy to integrate and reuse virtually any applications, data, or other information technologies.

HL7

Product Details

Key features of the iWay Intelligent Adapter for HL7 include:

- Support for synchronous and asynchronous bidirectional interactions between HL7 transactions, supported iWay intelligent adapters, messaging services, application servers, integration brokers, and other third-party software packages
- Support for over 140 message formats of HL7 2.x + over a wide variety of transports for all event or service interactions with internal enterprise systems and trading partners
- XML schemas for all HL7 messages, segments, fields, and data types
- Support for validation of HL7 messages using predefined rules system

The iWay Intelligent Adapter for HL7 allows healthcare organizations to collaborate with each other – regardless of specific HL7 versioning – integrating back-end systems across heterogeneous platforms, databases, and transaction processing systems. Bidirectional functionality and transactional support make the adapter for HL7 extremely flexible and easy to deploy. The adapter provides the ability to parse, generate, and transform HL7 messages by providing XML schemas for rapid integration with internal enterprise systems, or external entities such as the Centers for Disease Control and Prevention (CDC) and other healthcare organizations.

The iWay Intelligent Adapter for HL7 supports the following service (inbound) and event (outbound) integration operations:

- **Service.** Receives an XML service request document on a supported iWay listener; validates the service document using predefined HL7 rules; transforms the document into the appropriate message format mandated by HL7; creates an XML service response document using the appropriate XML schema; and returns the appropriate acknowledgement to the broadcasting application.
- **Event.** Receives an HL7 message; formats an XML event document; validates the event document using predefined HL7 rules; sends the formatted XML document to the appropriate application; and returns an HL7 acknowledgement message to the broadcasting application.

Technical Specifications

Message Formats Supported

- HL7 version 2.3 – 3.0

Integration Operations

- Service and Event
- Connectivity options provided by other iWay adapters – MQ Series, File/FTP, TCP/IP, E-Mail, HTTP, EDIINT/AS1, EDIINT/AS2, etc.

Runtime Platforms

- Windows NT 4 and Windows 2000, AIX, HP/UX, Linux, and Solaris

Supported Environments

- BEA WebLogic Platform
- Fujitsu Interstage
- IBM WebSphere MQ, WebSphere Business Integrator, and WebSphere Application Server
- iWay XML Transformation Engine
- Microsoft BizTalk Server and Visual Studio .NET
- Oracle 9iAS
- PeopleSoft
- SAP eXchange Infrastructure (XI)
- SonicMQ/XQ
- Software AG EntireX
- SUN ONE
- TIBCO ActiveEnterprise

Find Out More

For more information about iWay Software's unique approach to application integration and the features and benefits of the iWay Intelligent Adapter Suite, please visit www.iwaysoftware.com.

