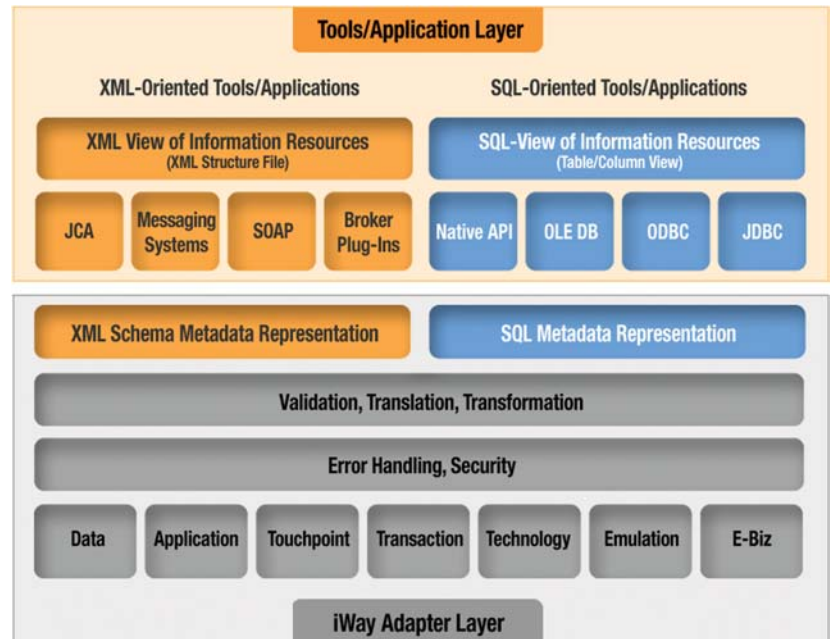


**iWay's Universal Adapter Framework provides rapid, service-oriented integration to virtually any enterprise information asset.**

- **Accelerate integration projects and reduce maintenance overhead** by using a common toolset with codeless interfaces to more than 250 disparate systems
- **Access reusable interfaces** to Enterprise Information Systems through common APIs, messaging systems, J2EE, .NET, and SOAP-based Web services
- **Incorporate EDI and industry standards** such as XBRL, AS2, UCCNet, SWIFT, FIX, HIPAA, and more into your enterprise architecture
- **Accelerate e-business development** by focusing technical personnel on business issues, not low-level integration
- **Avoid recoding or regenerating adapters** when back-end applications or data sources change

## iWay Universal Adapter Framework



With multiple entry points and inbound/outbound access to over 250 enterprise information assets, iWay's Universal Adapter Framework shortens the last mile of integration.

## Comprehensive Access to Your Enterprise Information Assets

With over 250 adapters, a proven development process, and 27 years' experience accessing complex enterprise information systems, iWay's Adapter Factory is a one-stop shop for all your adapter needs. Our codeless, plug-and-play adapters connect to virtually any information asset, integrating more data sources on more platforms and across more network protocols than any other adapter solution.

### Comprehensive, Intelligent, Plug-and-Play Adapter Framework

Prefabricated, vendor-maintained adapters are key to reducing the time, cost, complexity, and skills required to integrate the enterprise. iWay Software's comprehensive adapter offering, the foundation of our Universal Adapter Framework, covers over 250 information sources and works seamlessly with virtually any computing platform and information system. This broad

iWay Intelligent Adapters are available for the following packaged applications, databases, industry standards, and technologies:

#### Application System Adapters

- Ariba
- Baan
- BroadVision
- Clarify
- Commerce One
- Hogan Financials
- i2
- J.D. Edwards
- Lawson
- Manugistics
- Oracle Applications
- PeopleSoft
- SAP
- Siebel
- Vantive

#### E-Business Adapters

- AS1/AS2
- Covisint
- cXML
- ebXML
- EDI-ANSI X12 (American)
- EDI-EDIFACT
- FIX
- HIPAA
- HL7
- ISO 15022
- OAG BOD
- RosettaNet
- SWIFT
- UCCNet
- XBRL
- xCBL

#### Terminal Emulation Adapters

- 3270 (Mainframe, zSeries)
- 5250 (AS/400, iSeries)

#### Transaction Processing

- Bull TDS
- Bull TP8
- CICS
- IBM OTMA
- IMS/TM
- Software AG Natural
- BEA Tuxedo

#### Data Adapters

- Adabas
- ALLBASE/SQL
- Bull GCOS 7
- C-ISAM (Informix)
- C-ISAM (Microfocus)
- CA-IDMS/DB
- CA-IDMS/SQL
- Datacom

connectivity lets you preserve your current systems investment while implementing high-impact e-business initiatives.

Our expansive range of intelligent plug-and-play adapters, organized across seven different adapter classes, accommodates the many requirements and capabilities of the disparate systems involved in enterprise integration.

### iWay Adapter Classes

**Data adapters** support specific proprietary databases and file systems. They contain iWay-provided logic and metadata to perform simple or complex SQL-based data manipulation against target systems that include VSAM, Adabas, IMS, IDMS, MUMPS, Model 204, and others. Special features include:

- SQL access to non-SQL data sources
- Two-phase commit capabilities across XA- and non-XA-compliant databases and files
- Cross-source and cross-platform join capabilities using standard SQL

**Application systems adapters** have non-intrusive, bidirectional, business-object level support for packaged application systems such as SAP, Siebel, PeopleSoft, Ariba, Oracle, and others. They contain iWay-provided logic and allow you to generate and manage metadata to transform messages to and from the formats appropriate to each module. The application system adapters maintain the application's data integrity by working with the application systems' common API's and interfaces.

**Touchpoint adapters** abstract integration issues to the business process layer, making

your enterprise more agile when facing changing business requirements. Touchpoint Adapters contain two primary areas of intelligence.

- A touchpoint adapter inherently understands common business process document formats such as OAG BOD's and RosettaNet PIP's.
- A touchpoint adapter combines document knowledge with domain-specific knowledge of standard Enterprise Resource Planning (ERP) systems like Baan, Oracle Financials, SAP, PeopleSoft, and Lawson. The combination of document and ERP knowledge allows an enterprise to focus collaborative business processes and not worry about systems issues. If you decide to change ERP systems, your enterprise's workflow and process remain intact. The touchpoint adapter simply plugs in to your new system.

**Transaction systems adapters** support automatic transaction invocation, message transformation, and error recovery for transaction systems such as Bull TDS, IMS/TM, Tuxedo, and CICS. iWay transaction adapters provide a straightforward way for new Web and wireless front-end applications to work hand-in-hand, with no intrusion to your transaction processing systems.

**Emulation adapters** integrate with applications at the presentation layer, simulating a user who delivers a series of keystrokes. As a result, these adapters automatically and consistently validate information sent and received from IBM 3270, 5250, and similar applications without requiring changes to any programs.

- DB2
- DB2/400
- DBMS
- EJB
- ENSCRIBE
- Essbase
- Excel
- Flat Files
- FOCUS
- IDS-II
- ImageSQL
- IMS
- INFOMan
- Informix
- Ingres
- Interplex
- Lotus Notes
- Microsoft Access
- Microsoft OLAP Services
- Microsoft SQL Server
- Millennium
- Model 204
- MUMPS (Digital Standard MUMPS)
- NOMAD
- NonStop SQL
- Nucleus
- Omidex
- OpenIngres
- Oracle
- PROGRESS
- QSAM
- Rdb
- Red Brick
- RMS
- SQL/DS
- SUPRA
- Sybase
- System 2000
- Teradata
- TOTAL
- TurboIMAGE
- Unisys DMS 1100/2200
- UniVerse
- VSAM

### Technology Adapters

- Any J2EE Application Server
- BEA MessageQ
- BEA WebLogic Application Server
- BEA WebLogic Integration
- C/C++
- COBOL
- COM
- CORBA
- FOCUS
- FORTRAN
- Fujitsu Interstage
- IBM WebSphere Application Server
- IBM WebSphere MQ (MQ Series)
- IBM WebSphere MQ Integrator
- Internet Mail (SMTP/MIME)
- J2EE
- JacORB

E-business adapters facilitate the automatic transformation of e-business exchange formats such as AS1/AS2, UCCNet, EDI, SWIFT, FIX, HIPAA, HL7, and dialect-specific XML documents into formats compatible with XML and non-XML-based information resources. Working with iWay application, data, and technology adapters, you can integrate your technical investments and infrastructure with industry standards and protocols.

Technology adapters support many of the technologies that exist in your environment, including application frameworks, message queues, networking protocols, and more.

### Open, Agnostic Connectivity

iWay's Universal Adapter Framework is open and platform agnostic. Whether you use .NET, J2EE, Web services, or a combination of all three as your application framework, iWay delivers the most flexible, secure, and reusable approach for integrating your mission-critical enterprise information assets. iWay's Universal Adapter Framework can be reached using the following APIs:

- Data-level APIs like JDBC, ODBC, OLE DB, and ADO
- J2EE™ application servers that support the JCA 1.0 standard (iWay will be JCA 1.5-compliant after this standard is finalized during the second quarter, 2003)
- SOAP-based Web services
- BizTalk Server and the .NET framework
- Integration brokers and message queuing systems

Native support is provided for the following platforms and environments:

- BEA WebLogic
- SOAP-Based Web Services

- IBM WebSphere Application Server
- Microsoft BizTalk Server
- IBM Websphere MQ, MQI
- Visual Studio.NET
- iWay XML Transformation Engine
- Oracle 9iAS
- SUN ONE
- SoftwareAG EntireX
- Fujitsu Interstage
- SAP eXchange Infrastructure (XI)
- JMS
- PeopleSoft Application Integration Broker
- TIBCO
- SonicMQ/ESB
- Q-Link BPM

### High-Performance “Intelligent” Adapters

iWay's robust, feature-rich adapters come with built-in capabilities that save you time and money, ensure a high degree of consistency and performance, and lead to high ROI for integration projects.

#### High Degree of Reusability

Flexible, standards-based adapters can be reused across various IT initiatives such as enterprise application integration, application development, data warehousing, business intelligence, mobile computing, and more.

#### Web Services Enabled

All iWay adapters can be encapsulated within a Web service, delivering the ultimate means for open integration of key information assets.

#### Vendor-Maintained

Adapters are regularly updated to conform to evolving standards, adhere to certification requirements, and exploit new features and capabilities of information sources. iWay does the tedious work so you don't have to.

- Java
- JMS
- Lotus Notes (VIM)
- Microsoft BizTalk Server
- Microsoft Exchange (MAPI)
- Microsoft MSMQ
- Oracle 9iAS
- Oracle AQ
- Oracle PL/SQL
- Orbix
- POP
- Python
- RPG
- Sonic ESB
- SonicMQ
- SunONE Application Server
- TIBCO Rendezvous
- Visibroker

#### Touchpoint Adapters

- Analysis Codes
- Bill of Material
- Catalogs
- Change Quality
- Chart of Accounts
- Component Issues
- Container Move
- Customer
- Inventory
- Item
- Item Maintenance
- Locations
- Order Changes
- Preliminary Invoices
- Production Order
- Purchase Order
- Receipts
- Requisition
- Returns
- Sales Order
- Suppliers
- Users
- Work Order
- Work Order Status Change

#### Connector Technologies

- .NET
- ActiveX
- iWay
- JCA™
- JDBC™
- Microsoft DTS
- MQSeries
- ODBC
- OLE DB
- SOAP
- XML

#### Business Rule Encapsulation

iWay adapters support a range of capabilities – from embedded decodes and joins for relational sources, to complex transformation services applied to message payloads – to shape the data returned from an information source.

#### Rich Metadata Generation Tools

Metadata creation utilities present either a relational (Table/Column) or XML (XML structure file) view of the target information source.

#### Automatic Content Validation

iWay e-business adapters understand document formats and provide built-in validation for content that must conform to a published specification.

#### Security Compliance

iWay adapters respect the security structure and protocols of platforms, applications, and data structures

#### Cross-Platform Character Set Translation and National Language Support

iWay adapters can translate between the different character sets of different platforms and support a wide variety of national character sets including DBCS for Asian-Pacific markets.

#### Multiple Exit Points

iWay adapters feature multiple exit points to allow for the inclusion of custom routines.

#### An Edge for Success

Thousands of today's top companies and government organizations use iWay Software to accelerate and simplify their e-business integration initiatives, respond nimbly to changing market demands, and support complex e-business interactions with their partners, suppliers, and customers.

#### Find Out More

To see how we can help you succeed, visit us at [www.iwaysoftware.com](http://www.iwaysoftware.com), e-mail us at [info@iWaySoftware.com](mailto:info@iWaySoftware.com), or in the U.S. and Canada, call toll-free **(866) 297-4929**.



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