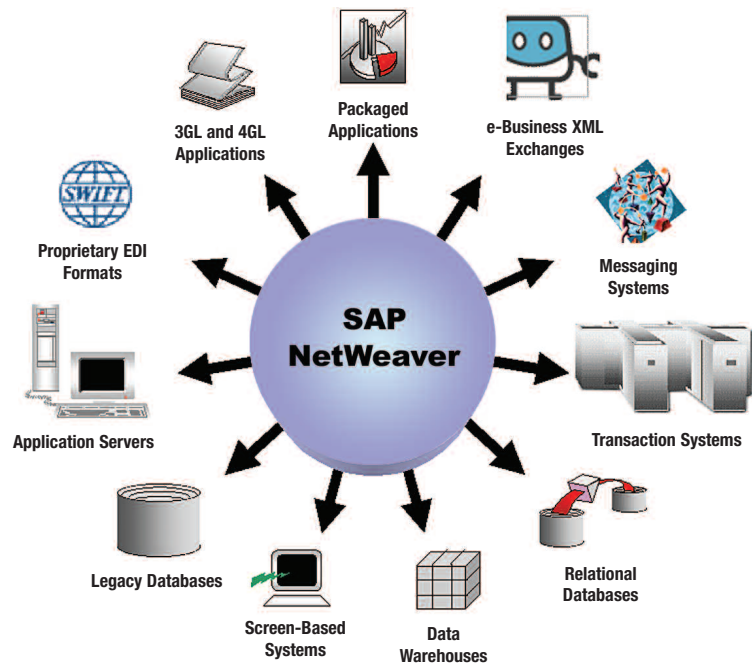


**The iWay Universal Adapter Suite for SAP NetWeaver dramatically reduces the amount of effort needed to integrate SAP NetWeaver with other enterprise systems.**

- **Access over 300 packaged applications, data sources, middleware technologies, and e-business formats and protocols** – with virtually no custom integration code required
- **Tap into virtually any information system or business process** using standard SAP, Java™, and XML skill sets
- **Shorten development cycles and reduce training expenses** by decreasing the number of interfaces programmers need to know
- **Minimize total cost of ownership** by collaborating with SAP XI, EP, and other parts of the NetWeaver product line
- **Lower cost of SAP integration** by masking the complexity of applications and legacy systems

## iWay Universal Adapter Suite for SAP NetWeaver



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

## Reusable Adapters Enable Cost-Effective Service-Oriented Architecture

Accelerate SAP integration and simplify your architecture with the iWay Universal Adapter for SAP NetWeaver. iWay integration solutions have more SAP certifications than any other integration product on the market today and offer an easy and cost-effective way to bridge the gap between SAP and other enterprise assets by providing unparalleled application and data connectivity to SAP NetWeaver. SAP customers can fully leverage their existing legacy investments by unlocking any application, relational and nonrelational database, or packaged application on virtually any platform and easily incorporate them into SAP NetWeaver technologies such as SAP Exchange Infrastructure and the SAP Web Application Server.

### Universal Adapter Suite for SAP NetWeaver

iWay adapters enable the creation of a complete enterprise service-oriented architecture (SOA) that encompasses your existing mission-critical enterprise

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/AS3
- 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

- 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
- DB2
- DB2/400
- DBMS

systems. iWay Software's Universal Adapter Suite enables GUI-based creation of service (and event) interfaces that can be deployed to any technology supported by the suite, including Web Services, JCA, JMS, EDIINT, MSMQ, WSIF, MQ, and many more. Additionally, the Universal Adapter Suite offering for SAP NetWeaver includes custom connections for SAP EP and SAP XI, which allow iWay adapters to work inside the NetWeaver platform.

### Support for SAP Exchange Infrastructure (XI)

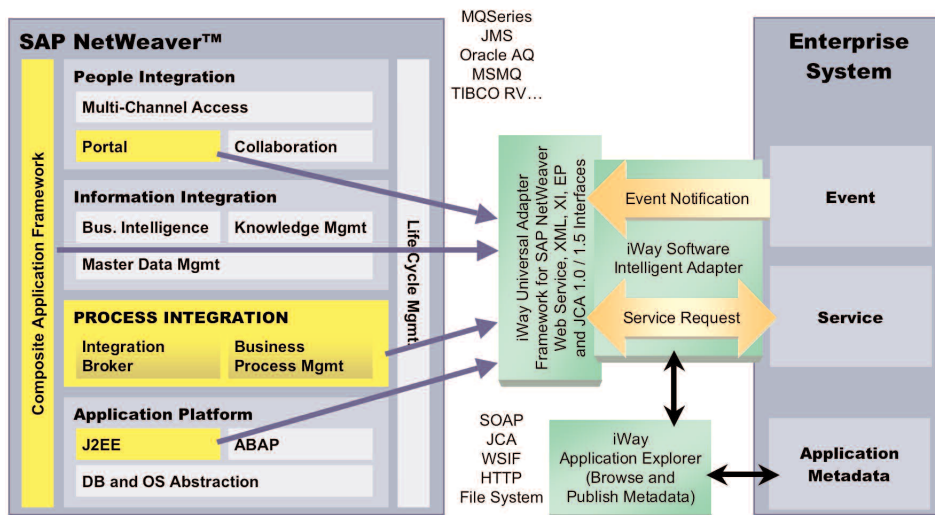
SAP Exchange Infrastructure (XI) is a central communication and distribution engine designed to integrate and drive end-to-end collaborative business processes. It operates by managing XML documents using services such as business process management, communications, routing, and transformation of messages between sender and receiver systems. iWay Software offers 300 adapters that tightly integrate with SAP XI through a JCA-based component that resides alongside XI on the Web Application Server. iWay adapters are first imported into the System Landscape Directory. At design time, iWay adapters publish interface information that can be imported into the Integration Repository for easy incorporation into XI-based business processes. At runtime, the iWay component receives XI messages and accesses the appropriate adapter, which converts the documents into the formats or APIs necessary to interact with enterprise information systems (EIS), databases, and other applications. iWay adapters can also connect other middleware and software infrastructure into SAP XI.

### Support for SAP Enterprise Portal (EP)

SAP EP enables members of your business community access to relevant enterprise information. EP enables content views within the context of a wide range of user interfaces and only presents information that the specific user has been granted permission to interact with. iWay Software enables you to easily reuse your existing IT system investments within SAP EP functionality – by providing over 300 adapters that mask the complexity of creating interfaces to underlying information systems. The custom tooling for EP that lives within the Universal Adapter Suite enables the creation and deployment of interfaces to these information systems, from within EP's Web interface and designer tools, like Visual Composer.

### Support for SAP Web Application Server

iWay's 300 adapters are accessible through a JCA Resource Adapter component that runs in the SAP Web Application Server. These standard adapters support J2EE™ CCI service calls to any supported EIS, database, or e-business system. The iWay JCA Resource Adapter connects to XI and Web Application Server using the SAP J2EE EIS Connector service. The current version uses JCA 1.0 and JCA 1.5 plus extensions for tight integration for the best in standards adherence and compatibility.



| Easily integrate 300 enterprise information systems with SAP NetWeaver.

## Technical Feature Summary for NetWeaver Integration

iWay adapters:

- Use SAP's Web Application Server J2EE Engine 6.20 as the runtime platform
- Reuse the existing iWay JCA adapter technology suite based on standard JCA 1.0 and 1.5
- Deploy service interfaces as Web services
- Use SAP XI message facilities
- Use SAP's System Landscape Directory (SLD)
- Put metadata schemas into the SAP Integration Repository
- Can be reused across the entire SAP NetWeaver Infrastructure (e.g, portal, Developer Studio)
- Enable both event and session management through long-lived EJBs and using SAP JMS for state management

## Automating e-Business Transactions

iWay's e-business adapters automatically receive, validate, and (if necessary) transform e-business documents into standard XML formats for easy incorporation into SAP. They can also be used to automatically generate validated e-business documents from SAP for rapid integration with business partners. Supported adapters include ACORD, AS1, AS2, AS3, EDI X12, EDIFACT, FIX, HIPAA, HL7, SWIFT, UCCnet, and many more.

- 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
- Omnidex
- 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
- Java
- JMS
- Lotus Notes (VIM)

- Java
- JMS
- Lotus Notes (VIM)
- Microsoft BizTalk Server
- Microsoft Exchange (MAPI)
- Microsoft MSMQ
- Oracle Application Server
- Oracle AQ
- Oracle PL/SQL
- Orbix
- POP
- Python
- RPG
- SAP NetWeaver
- Sonic ESB
- SonicMQ
- SUN Java Enterprise System
- 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
- WSIF
- XML

## Packaged Application Support

iWay's packaged application adapters make it easy to use SAP NetWeaver tools to access PeopleSoft, J.D. Edwards, Lawson, Siebel, and dozens of other applications. Rather than learning different interfaces and requirements for each application, the iWay adapters allow users to work with these packaged applications using standard J2EE Connector Architecture interfaces.

## Making Legacy Systems Easy to Use

Many organizations still keep some of their data on legacy systems that are difficult to access. These systems were not designed to interoperate and often provide only proprietary application programming interfaces (APIs) for data access. Many of them were built before the advent of SQL, the standard language of data operations. iWay's adapters use XML and SQL to easily access existing hierarchical, network, flat file, and other structures on a variety of platforms.

## Standardizing Relational Data

Making legacy systems look like relational databases is not enough. Even relational databases have their differences. Outer join processing, date and time formats, tuning considerations, and return codes often vary dramatically from one relational database to the next. iWay's adapters mask the differences among relational databases by using ANSI-standard SQL regardless of the database being accessed. Just as nonrelational adapters translate SQL into the native syntax of nonrelational data sources, iWay's relational database adapters translate from the ANSI standard into the native dialect of the database being accessed and make the return codes and formats consistent across every data source.

## Find Out More

To find out more about how iWay Software can help you connect SAP to other enterprise assets, please visit [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**.



**Corporate Headquarters** Two Penn Plaza, New York, NY 10121-2898 (866) 297-4929  
[www.iwaysoftware.com](http://www.iwaysoftware.com) [info@iwaysoftware.com](mailto:info@iwaysoftware.com)

**For International Inquiries** +1(212) 330-1700

Copyright © 2004 by iWay Software. All rights reserved. Patent pending. [33] All products and product names mentioned in this publication are trademarks or registered trademarks of their respective companies.



Printed in the U.S.A.  
on recycled paper

DN3600967.0206