Omni-Gen™ Integration Edition
A Unified Toolset for Enterprise Integration

Highlights

- Automate best practices associated with multi-domain enterprise information management implementations
- Accelerate time-to-market with real-time integration
- Reduce integration TCO by eliminating most custom integration code
- Leverage existing application and infrastructure investments
- Available for cloud deployment and iPaaS

Comprehensive integration capabilities ensure rapid access to timely, accurate data across all systems, processes, and stakeholders. For data cleansing and mastering, move up to the Omni-Gen Data Quality and Master Data Management editions.

As the foundation of the Omni-Gen™ data management platform, the Omni-Gen Integration Edition makes it easier for business and IT to collaborate on data integration projects. It uses business definitions to generate artifacts needed for integration and adapt to changing requirements.

The Integration Edition helps organizations leverage powerful data and application integration technologies to ensure accessibility, reliability, and timeliness. This lets companies exploit the full potential of enterprise information to improve operations, ensure compliance, meet service-level agreements, and increase stakeholder value.

The Omni-Gen Integration Edition ensures rapid access to timely data across all systems, processes, and stakeholders with unmatched interoperability between disparate systems and data. The Integration Edition includes everything you need for data profiling and sophisticated integration projects, regardless of latency requirements or source type.

With access to more information sources than any other platform, the Integration Edition enables faster time to market for key operational and analytical initiatives, including mobile applications, big data analytics, data warehousing, real-time supply chains, and other game-changers.
Key Capabilities

Omni Designer allows users to define the final record layouts needed, whether for a database, a message, or other target, and generates Inbound Document Specifications (IDS). The IDS are then mapped to source systems. This approach turns a data exploration effort into a data mapping effort, shortening the time it takes to develop data warehouses, business-to-business (B2B) interactions, and other integration activities.

Omni Governance Console is the business user interface to the Omni-Gen Integration Edition and provides the Data Profiler component. Robust data quality and analytics capabilities generate advanced profiling data, such as statistics, uniqueness, frequency, and masks. Users can then query, report, analyze, deliver, and display that information in any way they choose. Data profiling is a fundamental and repeated step in any data integration, cleansing, or mastering project.

Our broad portfolio of off-the-shelf adapters provides direct, native access to any information, in virtually any source. These powerful application integration and data integration capabilities allow a seamless connection to any application or data store.

iWay Service Manager enables organizations to create, compose, and manage services and event handlers. By helping organizations reuse existing application and infrastructure investments to create powerful microservices, this tool lays the foundation for real-time integration, web-oriented architecture, and event-driven architecture.

For fast, flexible extraction, transformation, and load (ETL) process creation, including changed-data capture, DataMigrator facilitates and automates the extraction and integration of data from varied sources.

Optionally, use Trading Partner Manager to allow centralized management of partner, system, and external entity information among B2B and other applications by dynamically driving and processing the transactions, and loading additional systems and partners on board.

For Hadoop users, our iWay Big Data Integrator supplies a modern, native approach to Hadoop-based data integration and management. It provides JDBC-accessible data replication and changed data capture, data de-duplication, and streaming and unstructured data capture.

Benefits

Reduces Total Cost of Ownership With Custom Code Elimination

Designed to satisfy enterprise-scale, as well as project-oriented and departmental-level integration requirements, the Omni-Gen Integration Edition delivers comprehensive and economic integration capabilities by eliminating most custom integration code.

Provides Users With Cloud Deployment and Integration Platform-as-a-Service

Users can securely extend their deployments to the cloud and Integration Platform-as-a-Service (iPaaS). This enables the development, execution, and governance of integration flows linking on-premises and cloud-based processes, services, applications, and data structures.
Enables a Robust Integration Architecture

With the Integration Edition, organizations have all the tools they need to support B2B messaging, activity monitoring, or department-level and project-oriented integration initiatives. It works in concert with modernized service-oriented architectures (SOA) and event-driven architectures (EDA) for rapid creation of new applications, or reusable services from existing applications.

Provides Maximum Flexibility and Interoperability

The Integration Edition supports real-time and batch integration and can deploy services and business processes to any hardware, operating system, or application platform. Additionally, integration can be standalone or complement any existing infrastructure such as IBM WebSphere, Microsoft .NET, SAP NetWeaver, and Oracle Fusion. This approach allows organizations to rapidly and economically build integration architectures with the greatest agility, breadth, and depth.

Improves Environment for Data Integration and Quality Management

If you start with Omni-Gen Integration Edition, you can gain more powerful capabilities by moving up to the Omni-Gen Data Quality or Master Data Management editions to enhance the completeness, accuracy, and consistency of information.

The Omni-Gen Integration Edition includes what you need for data profiling and integration projects, which covers the connect-and-move portions of the data-value chain. The Omni-Gen Data Quality and Master Data Management editions add functionality for mastering, and they cover the fix, relate, and govern portions. WebFOCUS covers the intelligence section.
Technical Specifications

- Automates and accelerates deployment via tools, a console, or a script. Users can build applications, then deploy them to a test and production environment, or to multiple servers.
- Doesn’t require proprietary technology. It runs on top of popular messaging systems, a variety of JMS implementations, and dozens of other common protocols. It can also be deployed to a standalone Java™ Virtual Machine, open-source J2EE application servers, or any commercial J2EE application server. It also supports security, architecture, and B2B standards including REST, AS2, and SOAP.
- Supports Simple Network Management Protocol (SNMP), allowing users to track iWay activity within a managed network using any popular third-party SNMP tool.
- Meet compliance reporting and regulatory guidelines, such as SWIFT and HL7, as well as EDI standards including ANSI X12, EDIFACT, HIPAA, and SWIFT.

Learn how the Omni-Gen Integration Edition can streamline business processes to help you stay competitive, remain profitable, and meet customer demands. To schedule a demo of the Omni-Gen Integration Edition or to find out more, contact us at 800-969-INFO.