

JD EDWARDS ENTERPRISEONE INTEGRATION PLATFORM



KEY FEATURES

- Support of SOA through JD Edwards EnterpriseOne Business Services
- Business Interfaces for Oracle Cloud applications
- Guaranteed business event delivery model provided through “Real Time Events” in support of an Event Driven Architecture (EDA)
- Light integration interfaces using JSON over REST
- User-defined integrations “on the glass”
- Support for Internet of Things
- Proven and Reliable Batch Data interfaces via batch import and EDI staging tables
- JDBC adapter to provide data query capabilities that can be leveraged from external reporting solutions such as Oracles BI Publisher

JD Edwards offers a broad range of integration options to fit our customers’ expanding needs to share JD Edwards EnterpriseOne business processes and data with external systems. Extending the philosophy of seamless design used to build the tightly orchestrated business process flows within JD Edwards EnterpriseOne ERP systems, these integration options include a comprehensive array of choices including starter kits, a catalog of out-the-box web services, and a variety of standards-based tools and technologies to provide solutions for your integration needs.

The Issue: Application Integration

Organizations of all sizes have multiple systems and applications which play a role in their business processes. To manage costs and realize the benefits of business process automation, companies require flexible, cost-effective ways to share data and processes and to standardize integration processes within their IT infrastructure. As modern Service-Oriented Architecture (SOA) techniques have been widely adopted, companies are looking for their software vendors to provide them with the most current standards-based, flexible, and scalable integration technologies.

As a result, JD Edwards EnterpriseOne has not only built its modern integration approaches on SOA principles and architecture, but has also adopted the most current technology standards to expand its integration capabilities through a number of avenues. The JD Edwards modern integration platform includes delivery of various levels of product business interfaces, such as samples, starter kits and infrastructure, tools and technology that provide native support of standards-based integration techniques, and ongoing product certification with best-in-class integration platforms. This array of integration approaches allows our applications to fully capitalize on the benefits not only of SOA but also current lightweight standards and protocols such REST and JSON.

The Solution: JD Edwards EnterpriseOne Integration Platform

In order to support these ongoing integration requirements, JD Edwards EnterpriseOne provides a number of options to support the spectrum of integration needs. These options include:

- A set of product business interface starter kits for JD Edwards EnterpriseOne and other Oracle cloud and on premise applications.
- A set of native web services that can be leveraged for integrations within a Service-Oriented Architecture (SOA).
- A broad set of JD Edwards EnterpriseOne Tools and technologies to support development of custom integrations over a variety of integration patterns.

- Certification with Oracle SOA Suite components - including Oracle's BPEL PM and Enterprise Service Bus (ESB).
- Adoption of the most current technology, such as JSON and REST to create light integration interfaces.

Oracle Product Integrations

For common integration scenarios, it is important for Oracle to provide our customers with starter kits of pre-built business interfaces that provide a foundation for adaptability to support common business processes. JD Edwards makes available product business interfaces that provide customers with utmost flexibility and multiple choices for meeting their integration needs. Product business interfaces include samples, starter kits, infrastructure and other supporting content to enable customers to achieve an integration according to their business requirements.

JD Edwards EnterpriseOne Business Services

To support interaction within an SOA framework, JD Edwards EnterpriseOne provides a comprehensive set of native web services capabilities. This includes the capabilities to develop, publish, consume, and administer web services directly from JD Edwards EnterpriseOne Tools. The web service interfaces are built upon a JD Edwards EnterpriseOne object type called Business Services.

JD Edwards delivers a large number of pre-built web service operations that leverage the Business Services technology. These services provide common operations that can be performed against many key JD Edwards EnterpriseOne transactions, such as sales orders, purchase orders, inventory transactions, and customers.

If the delivered Business Services match your integration needs, they can easily be deployed as web services through the standard JD Edwards EnterpriseOne administration tools. If your integration use cases demand additional interface operations, the JD Edwards EnterpriseOne development tools can be leveraged to create custom web services that leverage existing or custom business services.

JD Edwards EnterpriseOne Integration Tools and Technologies

JD Edwards Tools provides you with the technology to create and manage integrations for those scenarios that are outside of the scope of JD Edwards EnterpriseOne pre-packaged integrations and web services.

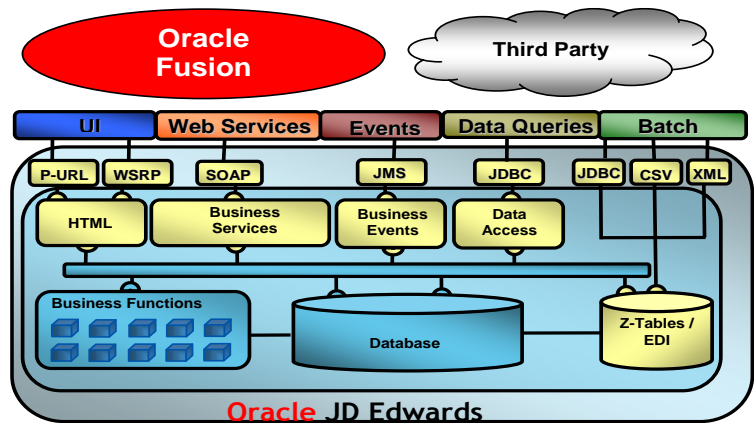


Figure 1: Overview of JD Edwards EnterpriseOne Integration Options

As shown above, the JD Edwards EnterpriseOne Tools covers a variety of different integration scenarios, including:

- User Interface (UI) features to expose JD Edwards EnterpriseOne applications and portlets to third-party systems via parameterized URLs and WSRP standards.
- Ability to create integrations “on the glass” using EnterpriseOne Pages and the Composite Application Framework.
- Ability to create custom web services or extend existing JD Edwards EnterpriseOne Business Services with the base JD Edwards EnterpriseOne development and administration tools.
- Starter business interfaces to Oracle Cloud, for example Oracle Sales Cloud, and other Oracle applications, using standard using standard JD Edwards interface tools, such as web services.
- Ability to create light interfaces using JSON/REST to manage integrations with mobile applications.
- Support for Internet of Things using the standard JD Edwards integration platform.
- Publish critical business events to external systems with JD Edwards EnterpriseOne Real Time Events (RTE). Real Time Events leverage standards-based JMS technology to provide guaranteed delivery to subscribing applications.
- Support interaction with reporting solutions, such as Oracle’s Business Intelligence Publisher, with a JD Edwards JDBC driver that adheres to JD Edwards’ security and provide automatic transformation of JD Edwards EnterpriseOne proprietary data types to standard based formats.
- For periodic batch and bulk data loads, JD Edwards provides a large set of batch import tables and inbound and outbound EDI processes. These are proven and reliable processes that can be leveraged to support bi-directional batch-based interfaces between JD Edwards EnterpriseOne and external systems.


Feature/Function Highlights

- Certification with Oracles SOA Suite Products.
- Native Web Services via JD Edwards EnterpriseOne Business Services.
- Business interface for Oracle Cloud and other Oracle application using starter kits
- “Real Time Events” to support an Event Driven Architecture.
- Batch import and export capability for periodic data synchronization

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Hardware and Software, Engineered to Work Together

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