

# JD EDWARDS ENTERPRISEONE INTEGRATION SOLUTIONS



## KEY FEATURES

- Packaged Integrations available for Oracle's Application Integration Architecture (AIA)
- Support of SOA through JD Edwards EnterpriseOne Business Services
- Guaranteed business event delivery model provided through "Real Time Events" in support of an Event Driven Architecture (EDA)
- Proven and Reliable Batch Data interfaces via Z-Table and EDI staging tables
- JDBC adapter to provide data query capabilities that can be leveraged from external reporting solutions such as Oracle's 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. These options include pre-built integration solutions with Oracle Applications, a catalogue 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, they are constantly searching for ways to provide greater flexibility to interoperate with these systems and to standardize integration processes within their IT infrastructure. Historically these integrations have been rigid, proprietary in nature, and based on archaic point to point integration models. As the industry has moved towards modernized Services Oriented Architecture (SOA) techniques, companies are now looking for their software vendors to provide them with standards based, flexible, and scalable integration technologies.

As a result, there is an ongoing need for JD Edwards EnterpriseOne to expand its integration capabilities through a number of avenues – including delivery of pre-built integrations that support common business processes, tools and technology that provide native support of standards based integration techniques, and ongoing product certification with best of breed integration platforms in order to allow our applications to fully capitalize on benefits of SOA.

### **The Solution: JD Edwards EnterpriseOne Integration Solutions**

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 pre-built integrations between JD Edwards EnterpriseOne and other Oracle Applications. Many of these integrations are provided in the form of Process Integration Packs (PIPs) which are built on Oracle's Application Integration Architecture (AIA). JD Edwards also provides a set of additional integrations that leverage base JD Edwards EnterpriseOne Tools and Technology.
- A catalogue of native web services that can be leveraged for integrations within a Services 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).

### **Oracle's Application Integration Architecture**

For common integration scenarios it is important for Oracle to provide our customers with a catalogue of pre-built integrations and also an architecture that provides a foundation for adaptability within a business process. For this JD Edwards EnterpriseOne leverages the Oracle Application Integration Architecture (AIA) to provide a comprehensive integration solution that includes the required components to support cross application business processes – including industry-specific end-to-end business processes and prepackaged integrations.

AIA coupled with JD Edwards EnterpriseOne native SOA capabilities makes a solid integration offering and provides for the delivery of pre-built integrations in the form of Process Integration Packs (PIP). An expanding catalogue of JD Edwards based PIPs are being made available to our customers. A good example of a PIP available is the Oracle CRM On Demand Integration Pack for JD Edwards EnterpriseOne: Lead To Order.

If an integration need is not covered by a pre-built PIP, then customers can leverage the AIA Foundation along with JD Edwards EnterpriseOne Tools to either extend an existing PIP or to create a new PIP that matches specific integration requirements.

### **JD Edwards EnterpriseOne Business Services**

To support interaction within a 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 supports 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 items, and customers,

If the delivered Business Services match your integration needs then they can easily be deployed as web services through the standard JD Edwards EnterpriseOne administration tools. If your integration use cases demand the need for specific interfaces then 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's pre-packaged integrations and web services.

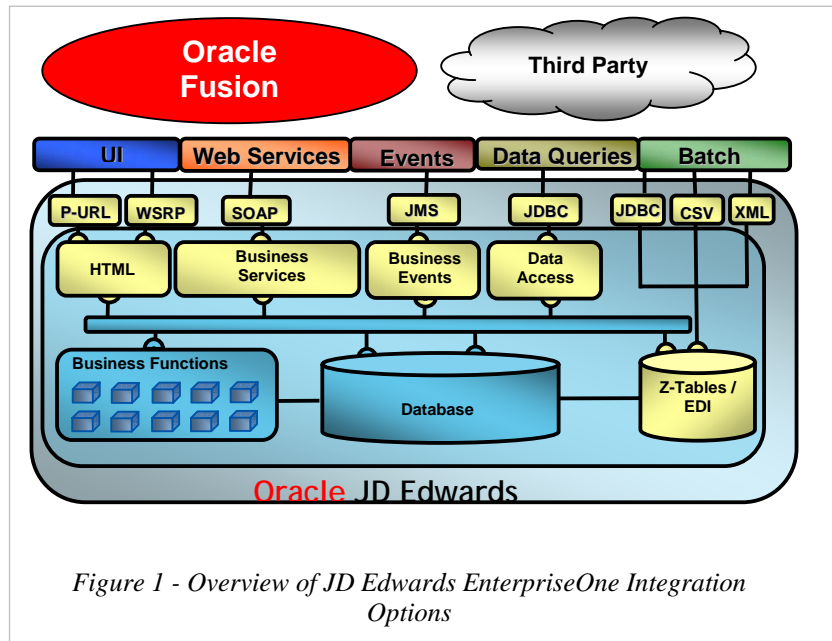


Figure 1 - Overview of JD Edwards EnterpriseOne Integration Options

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 custom web services or extend existing JD Edwards EnterpriseOne Business Services with the base JD Edwards EnterpriseOne development and administration tools.
- 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 will adhere 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 "Z-Tables" and EDI process. 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

- Oracles Applications Integration Architecture PIPs.
- Certification with Oracles SOA Suite Products.
- Native Web Services via JD Edwards EnterpriseOne Business Service.
- “Real Time Events” to support and Event Driven Architecture.
- Z-Table support for periodic data synchronization.

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