Magic xpi: Supercharge JD Edwards EnterpriseOne Orchestrator

A smart, flexible integration platform providing intelligent connectivity from JD Edwards to any system and delivering the ultimate integration experience with Oracle Orchestrator

About JD Edwards EnterpriseOne Orchestrator

Oracle presents Orchestrator as a built-in integration platform for JD Edwards, providing powerful and necessary functionality:

1. Allows developers to define a sequence of operations in JD Edwards and group them together as an Orchestration that can be executed
2. Provides analysts with a visual studio for recording JD Edwards actions and automating them as Orchestrations
3. Offers external access to Orchestrations as RESTful web service endpoints

"The JD Edwards EnterpriseOne Orchestrator is a key component of your JD Edwards digital platform. It can transform the EnterpriseOne system from a transaction-based system of records into a system that provides a dynamic reflection of your real-time business operations." *Oracle website*

The Challenges of Orchestrator as a Standalone, Built-In Integration Platform

Orchestrator integrates with external systems and cloud services, allowing EnterpriseOne systems to send and receive data for integrated business processes. But is this enough? As a built-in integration platform, Orchestrator presents a series of challenges, particularly:

- **Fundamentally internal to JD Edwards.** Orchestrator lacks the knowledge and ability to connect to other systems such as CRM, eCommerce, and CMMS (for example, Salesforce, Magento, FreshWorks and Maintenance Connection, respectively), requiring extensive development of point-to-point integrations.
- **A passive integrator.** Orchestrator can provide RESTful web service endpoint access to data in JD Edwards (sales orders, purchase orders, etc.), but does not provide a method to connect or manage data from other applications. Other tools are required to invoke the RESTful web services provided by Orchestrator.
- **Limited ability to manipulate data.** When working with other systems, there is usually no straightforward mapping of data. Different representations, models and schemas make integration difficult, requiring the translation of data into the correct format in order to use Orchestrator.
- **Orchestrations can slow development.** Building an Orchestration is quite a complex process which should only be performed when needed, while deploying an Orchestration requires a significant change to the JD Edwards environment. Best practice demands process around creating, testing and deploying an Orchestration, which may slow development time and reduce agility in integrations.

» **Orchestrations are not the best solution for every problem.** Orchestrations are worth building when a process touches many elements in JD Edwards. But for simple cases with existing business functions, they are just an overhead to expose an existing capability.

» **Requires JD Edwards 9.2 or later.** Since upgrading JD Edwards is a complicated task, many customers still use older versions. While Orchestrator technically supports older versions, ease-of-use and the level of support are limited.

Orchestrator + Magic xpi: The Ultimate Integration Experience

Many have been led to believe that deploying Orchestrator will eliminate the need for integration tools such as Magic xpi. But our experience with a variety of different customers shows that the power of Orchestrator can only be truly unleashed when it is paired with an integration middleware that can orchestrate and manage integration with other applications.

Magic xpi working together with Orchestrator not only provides access to JD Edwards, but also accommodates complex business processes with other applications.

» **Adds powerful capabilities to Orchestrator.** In addition to full access to JD Edwards, Magic xpi provides certified connectors to other systems, including the most popular CRM, eCommerce, ERP, and maintenance systems, as well as extensibility to access other systems via RESTful, OData and SOAP web service connectors, as well as SFTP and database connectors.

» **Turns passive integration into an active process.** Magic xpi easily defines triggers, performs complicated data manipulation, and reports the status of all integrations from a single dashboard, reducing the reliance on external systems for integration heavy lifting.

» **Provides agility and flexibility in the development process.** Magic xpi's powerful visual tools give full access to all JD Edwards capabilities, as well as any other system, ensuring that development happens quickly without changes to the critical systems of record.

Orchestrator + Magic xpi In Action: Use Cases

Michelman, a JD Edwards reference customer for Orchestrator, uses the Magic xpi integration platform as an Orchestrator supercharger to deliver smart and flexible JD Edwards integration to any system. Leveraging Magic xpi along with new features in the Oracle JD Edwards Orchestrator, Michelman has streamlined the effectiveness of sales and gained visibility of sample orders between JD Edwards ERP and Salesforce CRM. Eliminating manual data entry by automatically synchronizing the records, the company now has a framework for the future. Furthermore, Magic xpi's built-in, certified JD Edwards connector allows Michelman to discover and take advantage of new features in the JD Edwards Orchestrator. Read the Case Study.

Ajinomoto Foods uses Magic xpi to support multiple integration mechanisms for connecting JD Edwards to their Maintenance Connection CMMS system. For complicated processes like generating POs or updating inventory, Magic xpi is used to access Orchestrations that coordinate all operations, including updating the general ledger and purchasing. For other processes, such as inventory querying, Magic xpi is used to query existing business functions; and for data-intensive reconciliation processes, it is used directly with the underlying database. This results in powerful integrations that can be built in weeks, rather than months or years, and easily updated, as business needs change.