

JD Edwards Integration

Highlights

- The integration between JD Edwards OneWorld XE and .NET had to support internal and external access with appropriate permissions, as well as integrate and be in compliance with Sarbanes Oxley, Client Policy, and Government accounting requirements.
- A generic web method was designed to connect to any JD Edwards Business function based on the inputs passed. This web method could be consumed by .NET clients to interact with JD Edwards methods.
- The JD Edwards process will expose the Business functions as web services.
- The .NET client will call these web services to accomplish the business process validations.

Customer Profile

Our client manufactures and supplies industrial products for a variety of industries around the world. This industry is very capital-intensive.

Business Issues

- The client was replacing its non-products purchasing system with a web-based tool and needed business process integration between JD Edwards OneWorld XE and .NET.
- The JD Edwards Business functions had to be exposed as web services which could in turn be invoked from .NET clients.
- The web application had to support internal (client users) and external (suppliers and invoice processors) with appropriate access permissions.
- The new system had to integrate and be in compliance with Sarbanes Oxley, client policies, and government accounting requirements.

UST Approach

- A Web service was used to establish the connection and data integration between .NET client and JD Edwards Business function.
- .NET client to call these web services to accomplish the Business process validations and support user access.
- Used the work file concept to dump the data from .NET with just one JDE Business function call to validate multiple lines.
- Used the JDE Business function to take care of the server side operations and return the success/error flag back to .NET.
- If the validations are successful, the JDE Business function does the rest of the process of moving the data from work file to actual file, ledgering etc.
- Met the challenge of a shorter project duration by employing an approach was simpler and more generic.

Benefits/Results

- Successful process integration enabled use of Web-based tool
- Internal and external user access successfully supported
- All necessary compliances retained after integration
- Better overall usage of JD Edwards functions