

# Digitizing Supply Chain Processes using Orchestrator and AIS Lane Construction's Story

Session ID: P-049162

# Agenda

- About the Presenter and Lane Constructions
- Session Objectives
- Business Requirements
- Solution
- Challenges and Lessons Learn
- Q&A

# Meet the Presenter



## David Huang

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Solution Architect  
The Lane Construction Corporation

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- Application Development Manager
  - Working for Lane for 6 years
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# Meet the Presenter



## Jerry Salazar

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Principal Consultant and Project Manager  
**Syntax**

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- Over 25 years of JD Edwards Experience, Functional, Technical and Project Management
  - JD Edwards Implementations and Upgrades across all Modules
  - Orchestrator Training
  - Presales Support
  - Started JDE career as Developer, back in 1992
-

# Lane Constructions



## ➡ About Lane

# Session Objectives

- Challenges and stumbling blocks encountered when first starting to use Orchestrator and AIS.
- Learnings and insights from living with and supporting Orchestrator/AIS based interfaces compared to “traditional” flat file-based interfaces.
- Understanding how attachments on requisitions were handled.

# Business Requirements & Solution

# Business Requirements

- As part of a digital transformation initiative, Lane evaluated existing manual processes within the procure-to-pay space and identified areas in need of digitization.
- To this end, a project was initiated to integrate our Oracle JD Edwards ERP with **New Procurement Platform (NPP)**, a cloud SAP BTP (Business Technology Platform) application used by our parent company, the Webuild Group.
- NPP functionally serves two purposes:
  1. It digitizes the sourcing process from initial request, to RFx, to receiving bids, to making a recommendation and then selecting a winning bid/vendor.
  2. It acts as a vendor master and also provides tools to analyze vendor performance.



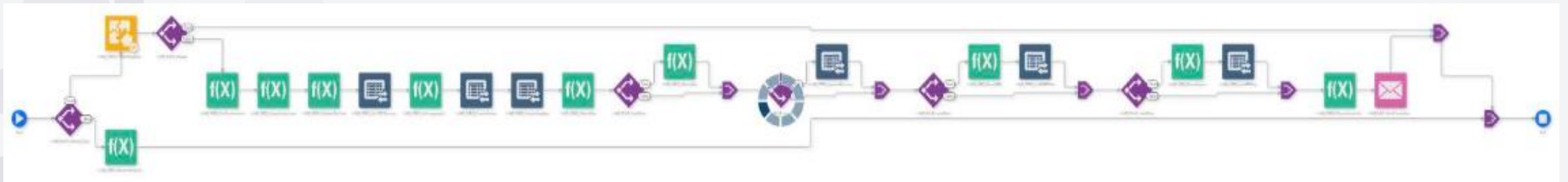
# Solution

- Integrate JDE and NPP via web-services / REST APIs
- Orchestrations developed for Vendor Management Integration
  - Vendor Add/Modification (NPP → JDE)
  - Vendor Duplication Check (NPP → JDE)
- Orchestrations developed for Purchase Requisition Integration
  - Transfer Purchase Requisition (JDE → NPP)
  - Update Purchase Requisition Statuses (NPP → JDE)
  - Update Buyer Information (NPP → JDE)

# Solution – Vendor Management Integration

## ► Vendor Add/Modifications

- Using standard JDE applications, this Orchestration will create or modify vendor information in the JDE system
- Check for Vendor Duplication based on specific Business Rules
- Custom Requests for specific Business Process (some developed using groovy)
- Form Requests to Create/Update Address Book (Master, Address Information, Who's Who, Email, and Phones)
- Custom Requests to maintain DBE Cert information (using Address Book Supplemental DB)
- Orchestration will send notification to subscribed users when any of the process fails
- Solution has 24 components



# Solution – Vendor Management (Details)

## ➤ Vendor Duplication (stand-alone)

- NPP will use this interface to check if a supplier exists before the supplier is created
- Check for Vendor Duplication based on specific Business Rules: NationalID, CodFiscand and/or EECVATNumber
- Custom Requests for specific Business Process (some developed using groovy)
- Form/Data Requests to check Vendor existence
- Solution has 12 components



# Solution – Vendor Management (Details)

## ➤ Contract Information

- Based on defined requirements, the Orchestration will send contract information to NPP

# Solution – Purchase Requisitions (Details)

## ➤ Transfer Purchase Requisitions from JDE to NPP

- When a PR is approved (a new PR or a modified old PR), the process requires the PR to be transferred to NPP (via a WebService)
- Selecting eligible Purchase Requisitions, organizing and formatting relevant information and associated media objects, establishing communication between the E1 system and the NPP platform, and ultimately updating the status of each Purchase Requisition post-processing, indicating whether it was successfully delivered or rejected.

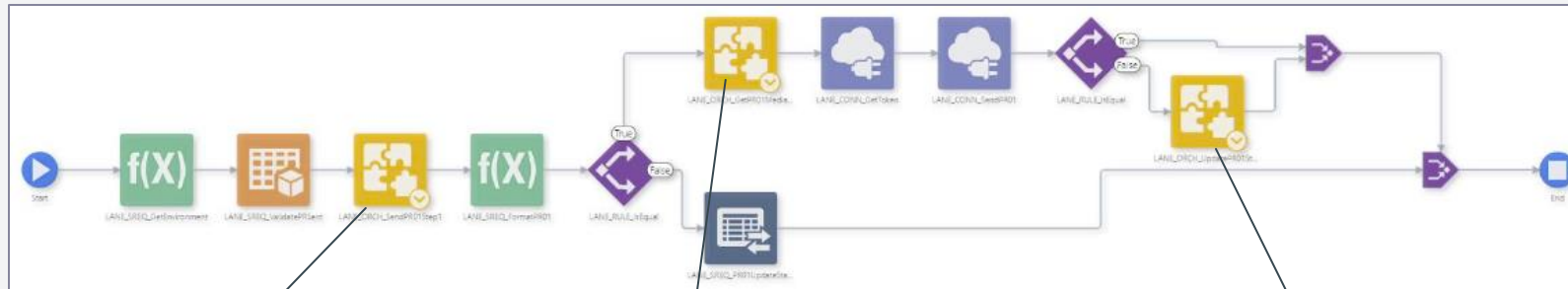
## Solution – Purchase Requisitions (Details)

## ➤ Transfer Purchase Requisitions from JDE to NPP

- ### Main Orchestration
1. Check PR Eligibility
  2. Call gather data Orchestration



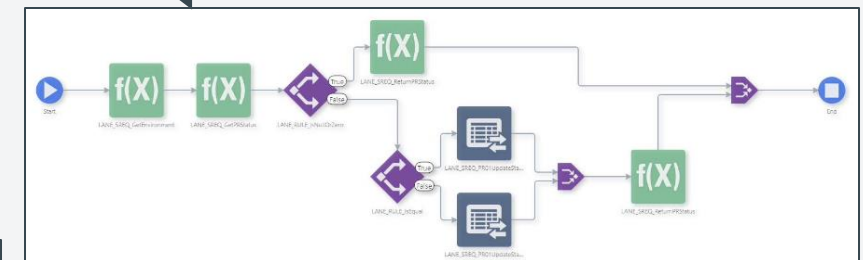
- ### Gather Data Orchestration
1. Gets PR Detail Information
  2. Gets PR Media Object Info
  3. Formats data
  4. Send Data using webservice
  5. Updates PR Status



### Gets PR Detail Information



Gets PR MO Information



### Updates PR Status

# Solution – Purchase Requisitions (Details)

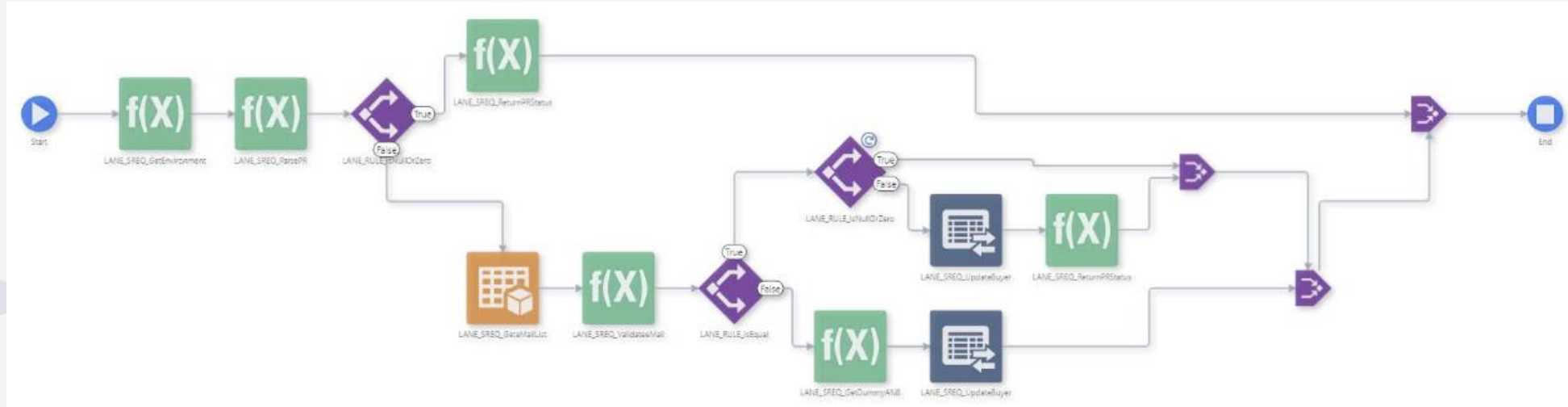
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# Solution – Purchase Requisitions (Details)

## ► Update Purchase Requisition Buyer Information

- Calling custom application to update the buyer information based on the email address provided by NPP





# Challenges & Lessons Learn

# Challenges

➡ Complete list

# Lessons Learn

➡ Complete list



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**Session ID:**

**P-049162**



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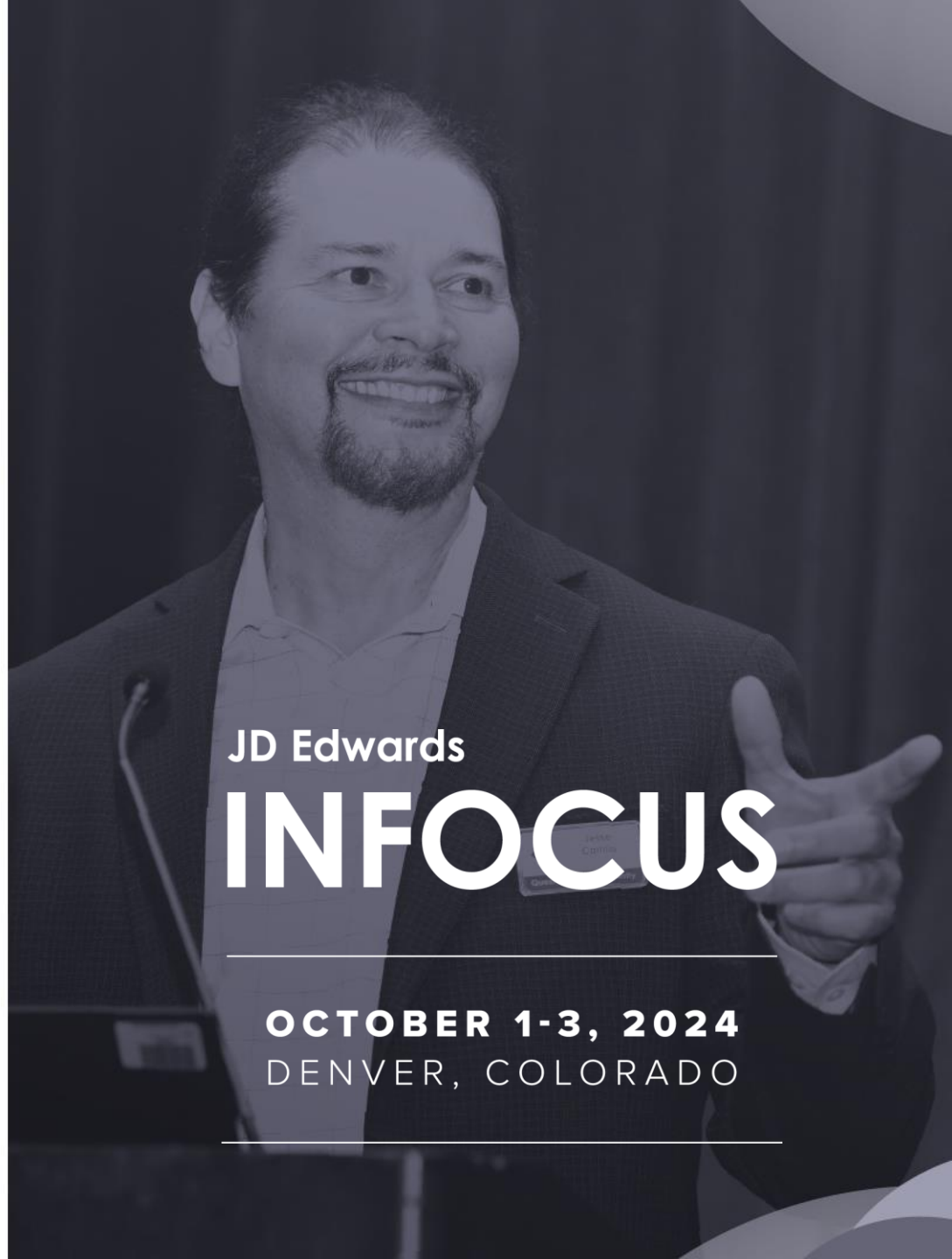




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