



JD Edwards EnterpriseOne Orchestrator

Usage Patterns and Success Stories

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Agenda

- 1 What Is Orchestrator?
- 2 Why Orchestrator Is So Important

Orchestrator Usage Patterns:

- 3 Internet of Things
- 4 Mobile and Web Applications
- 5 Process Simplification/Automation
- 6 Integration
- 7 Intelligent ERP

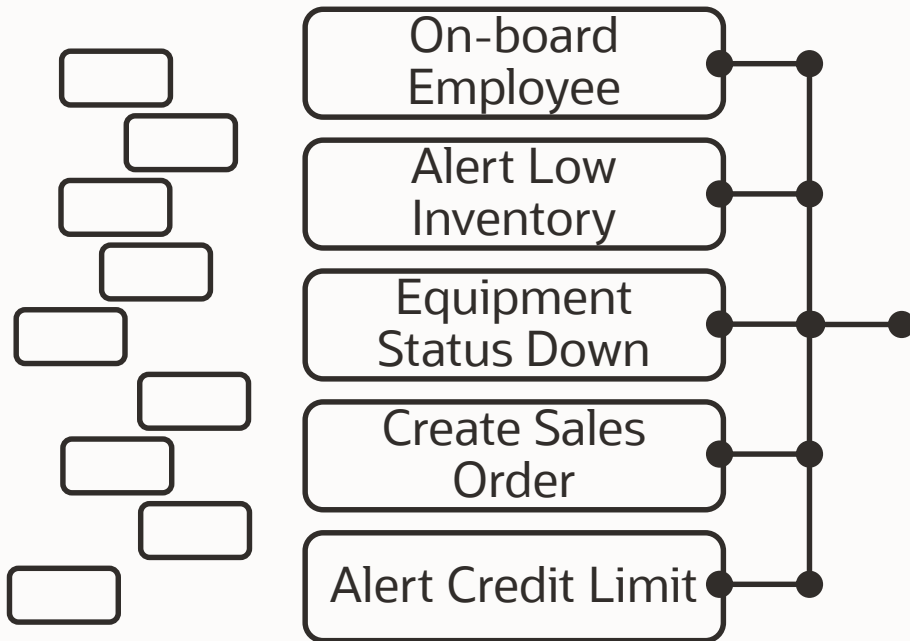
What Is Orchestrator?

Why Is Orchestrator So Important?

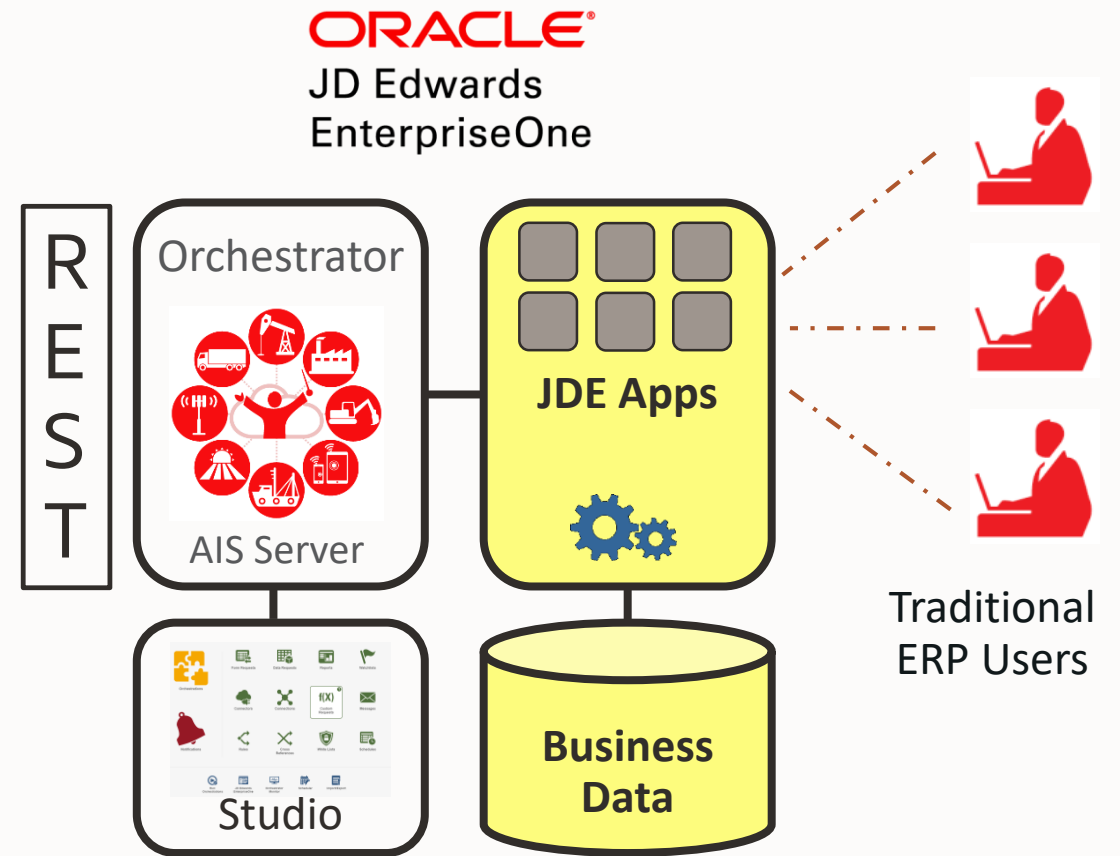


Orchestrator Is a JD Edwards “REST API Factory”

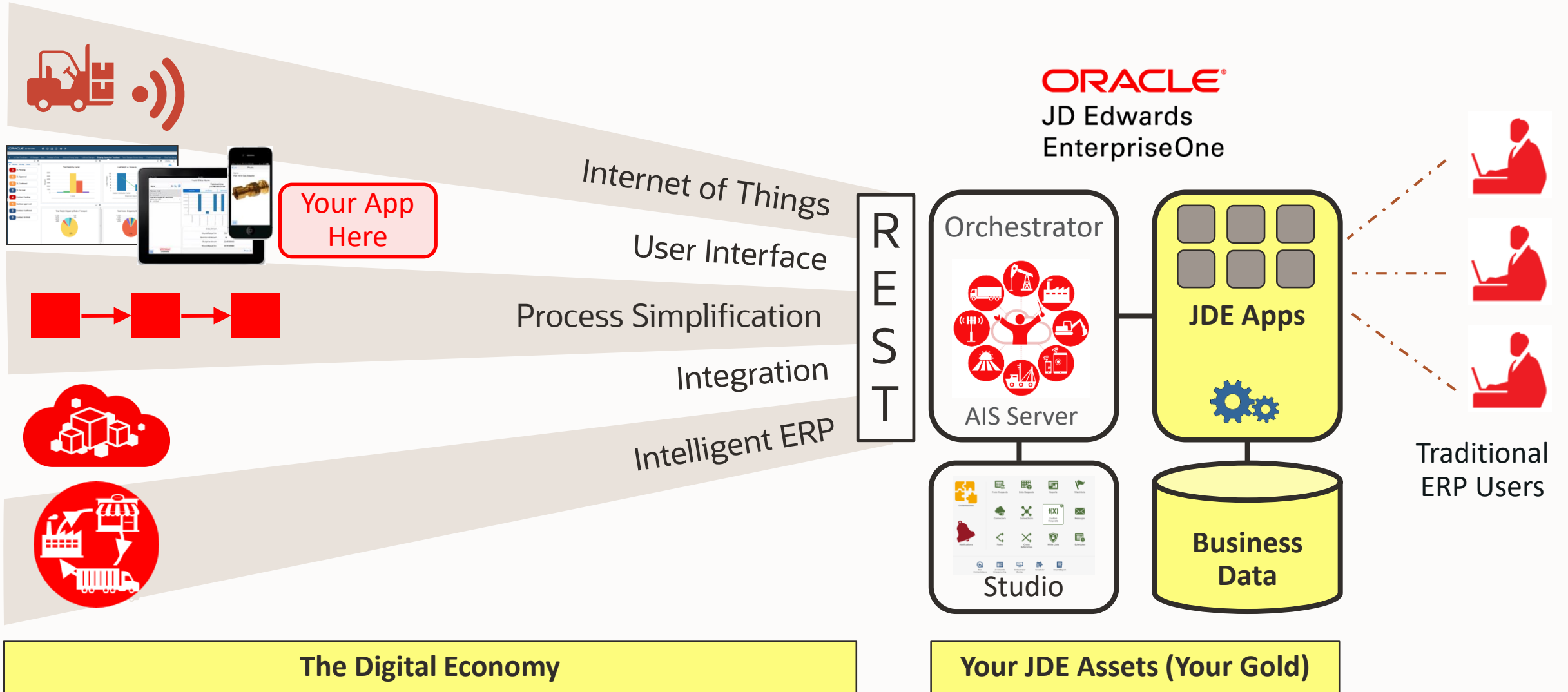
Business analysts create orchestrations, which are REST APIs



Orchestrations are user-defined objects (UDOs)



Orchestrator Connects JD Edwards to the Digital Economy



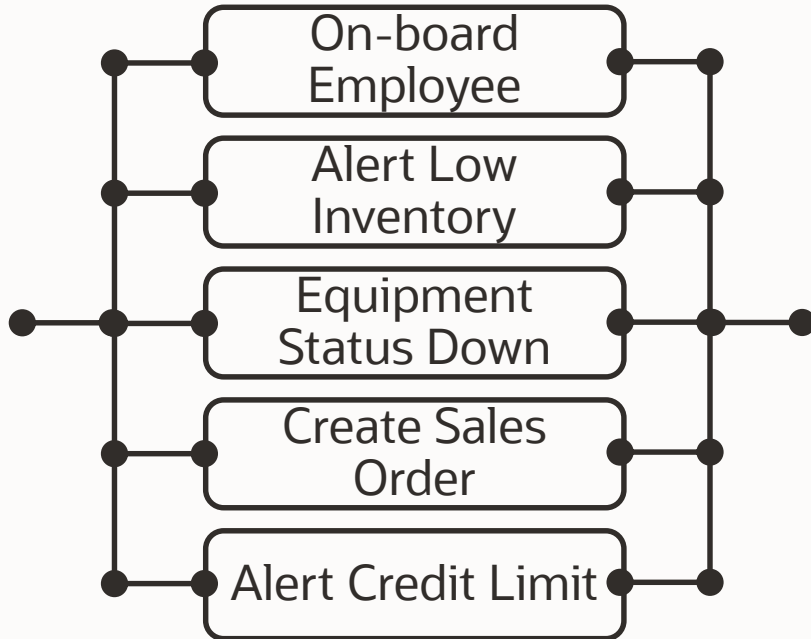
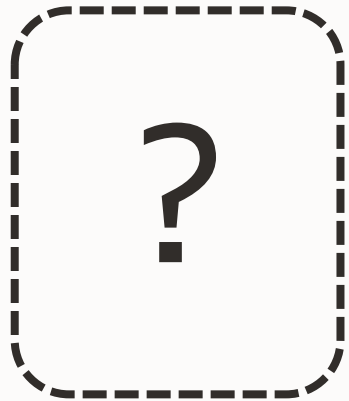
Orchestrator Usage Patterns



Putting Orchestrations to Use

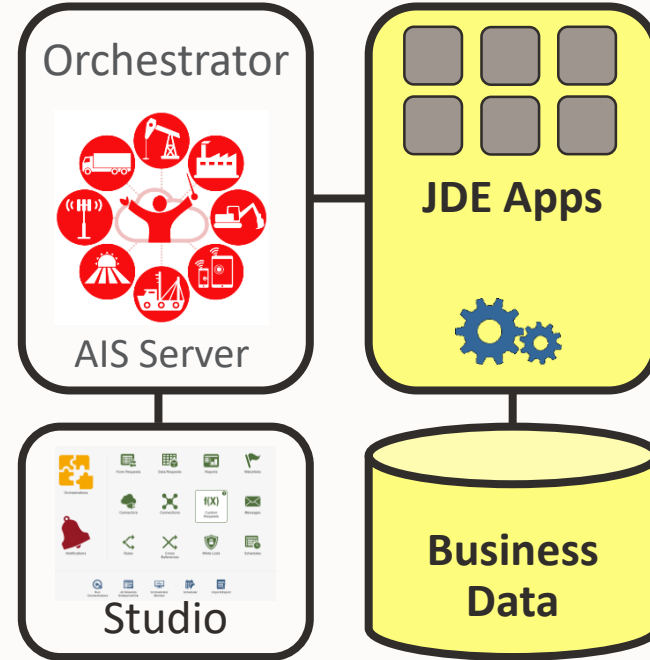
What Goes Here?

Your orchestrations
(REST APIs)



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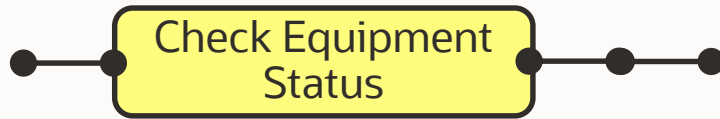


Putting Orchestrations to Use: Internet of Things

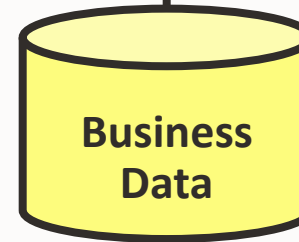
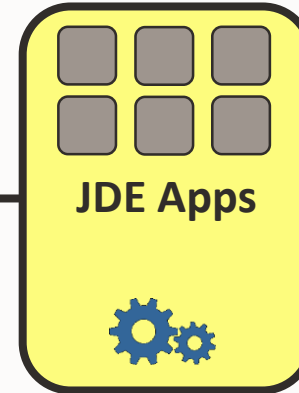
Machines /
Internet of Things

Your orchestrations
(REST APIs)

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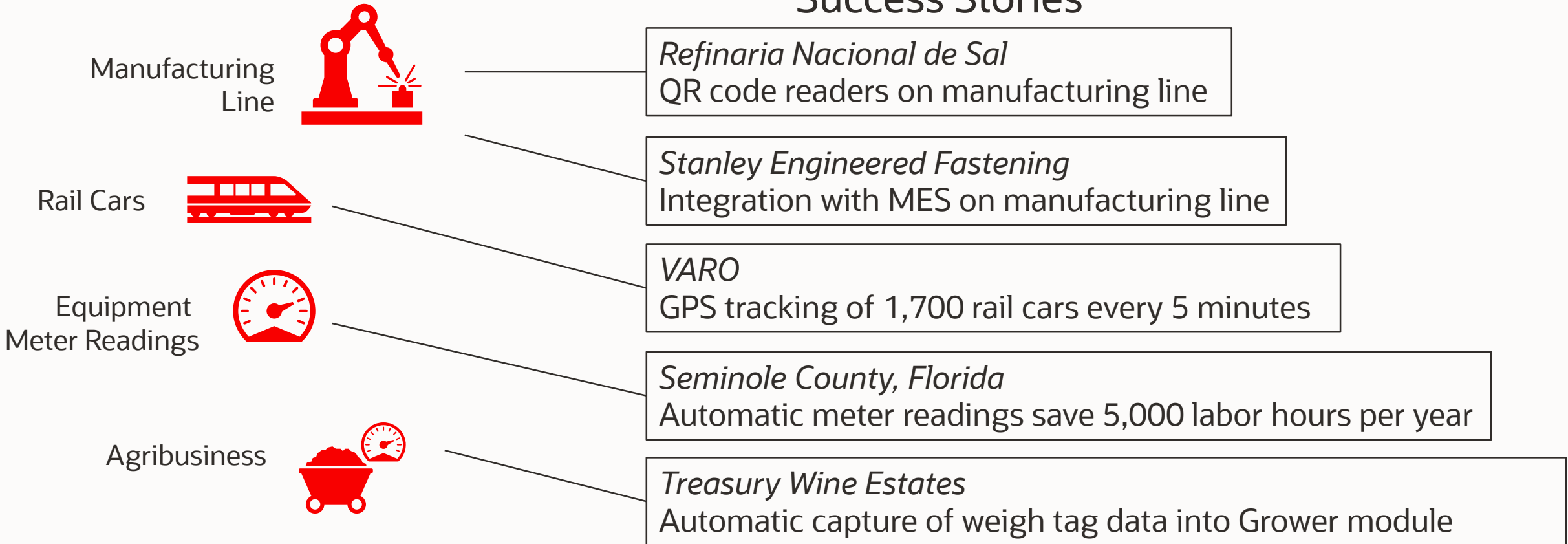
Traditional
ERP Users

- IoT Gateway
- IoT Cloud Service
- IoT-enabled device

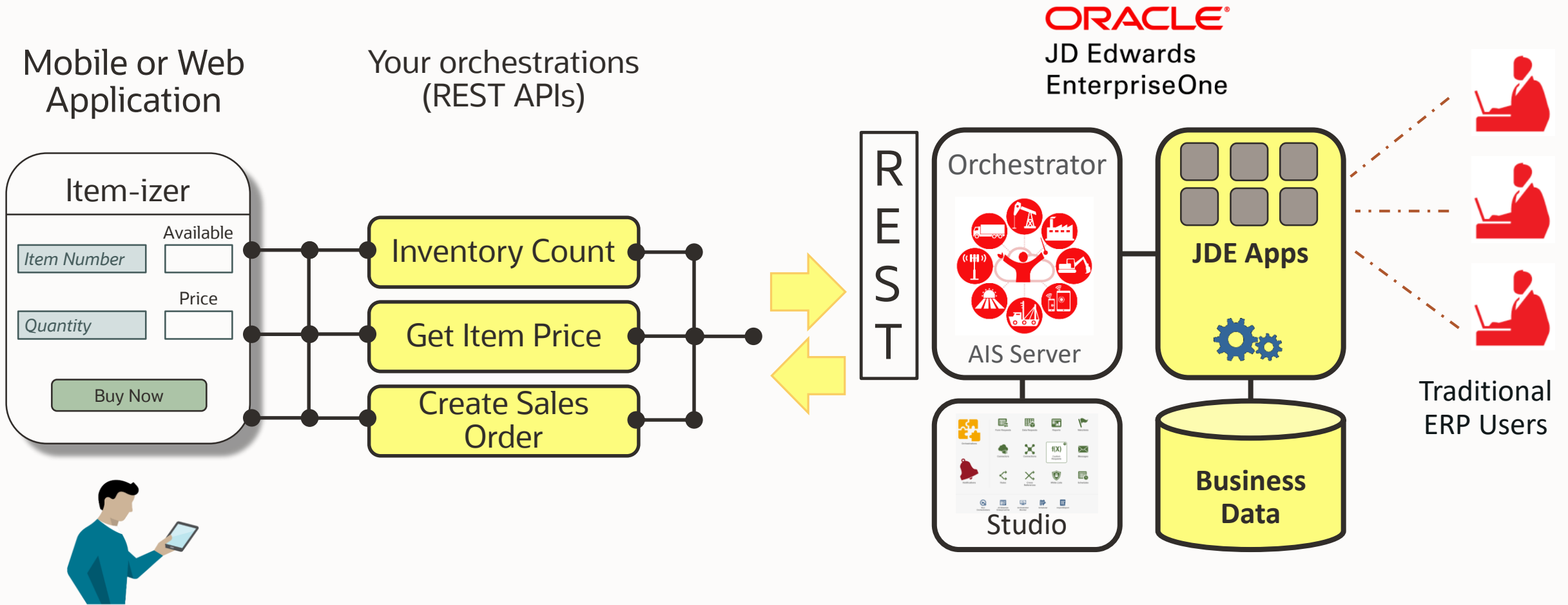


Putting Orchestrations to Use: Internet of Things

Success Stories



Putting Orchestrations to Use: Mobile and Web Applications



Putting Orchestrations to Use: Mobile and Web Applications

Manufacturing



Success Stories

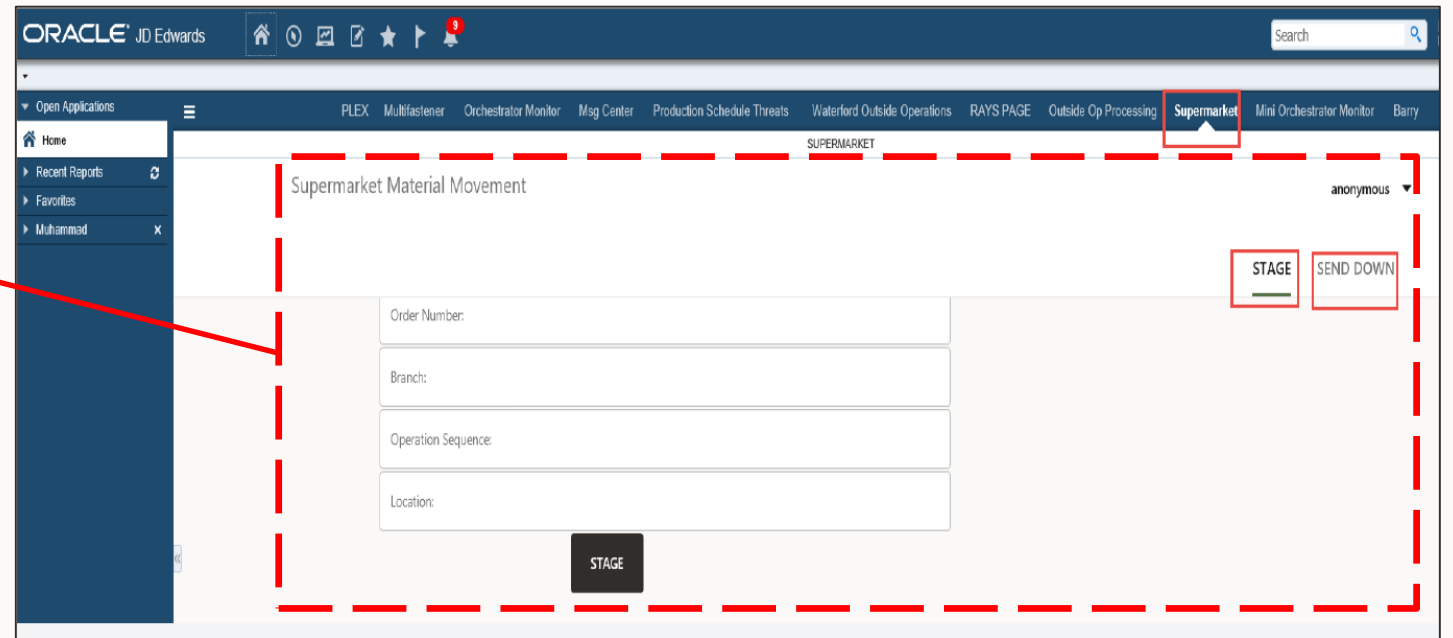
PennEngineering

“Magic Buttons” VBCS application to request work-in-progress

Oracle Visual Builder Cloud Service (VBCS) application hosted in an EnterpriseOne page

EnterpriseOne Features Used:

- EnterpriseOne pages
- Form extensions
- Queries
- Grid formats
- Orchestrations
- Notifications

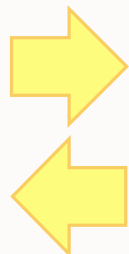


Putting Orchestrations to Use: Process Simplification

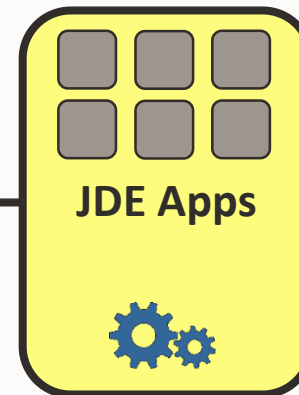
Input from Spreadsheets

Your orchestrations (REST APIs)

Equipment Number	Description	Site	Serial Number	Product Model	Product Family	State	Latitude	Longitude
31877	loT Forklift	200	SN77	IOT	FORKLIFT	CO	39.764002	-105.135308
31878	loT Forklift	200	SN78	IOT	FORKLIFT	CA	37.774921	-122.419453
31879	loT Forklift	200	SN79	IOT	FORKLIFT	IL	41.833393	-88.012159
31877	loT Forklift	200	SN77	IOT	FORKLIFT	CO	39.764002	-105.135308
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REST



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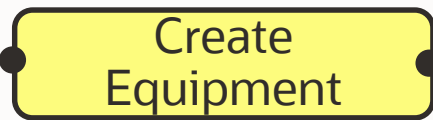
Putting Orchestrations to Use: Process Simplification

Input from Spreadsheets

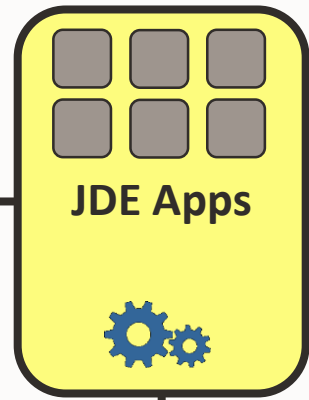
Your orchestrations (REST APIs)

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Equipment Number	Description	Site	Serial Number	Product Model	Product Family	State	Latitude	Longitude
31877	IoT Forklift	200	SN77	IOT	FORKLIFT	CO	39.764002	-105.135308
31878	IoT Forklift	200	SN78	IOT	FORKLIFT	CA	37.774921	-122.419453
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31877	IoT Forklift	200	SN77	IOT	FORKLIFT	CO	39.764002	-105.135308



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Traditional ERP Users

	A	B	C	D	E	F	G	H	I
1	Equipment_Number	Description	Site	Serial_Number	Proudct_Model	Product_Family	State	Latitude	Longitude
2	31873	IoT Forklift	200	SN73	IOT	FORKLIFT	CO	39.764002	-105.135308
3	31874	IoT Forklift	200	SN74	IOT	FORKLIFT	CA	37.774921	-122.419453
4	31875	IoT Forklift	200	SN75	IOT	FORKLIFT	IL	41.833393	-88.012159
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Putting Orchestrations to Use: Process Simplification

Success Stories

Manufacturing



J.B. Poindexter & Co, Inc.
Import thousands of part numbers, BoM's, routings and attachments for Engineer-to-Order

Distribution



Science Educational Supply Company
Creation of sales orders from spreadsheets

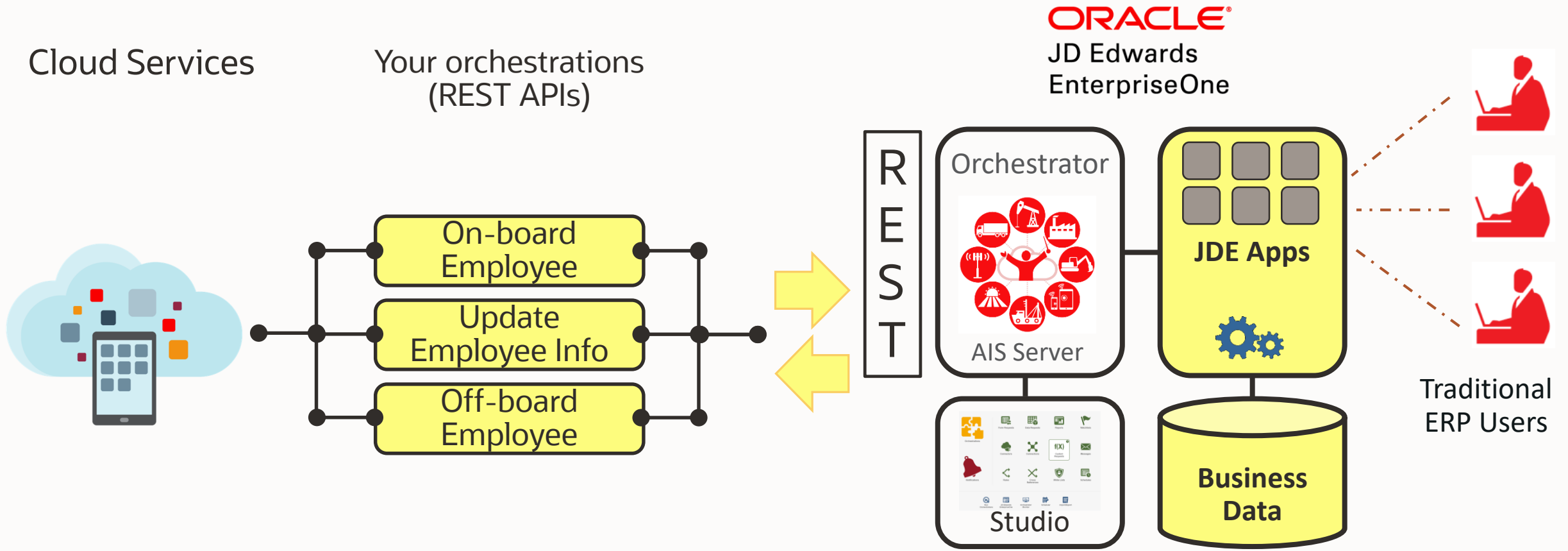
Agribusiness



King Ranch
Creation of hundreds of weigh tag Grower operations



Putting Orchestrations to Use: Integration



Putting Orchestrations to Use: Integration

Success Stories

Sales & Distribution



Eastern Propane
Integration between EnterpriseOne and Oracle Field Service

Sales & Distribution



Michelman
Integration between EnterpriseOne and sales force automation (in 60 days)

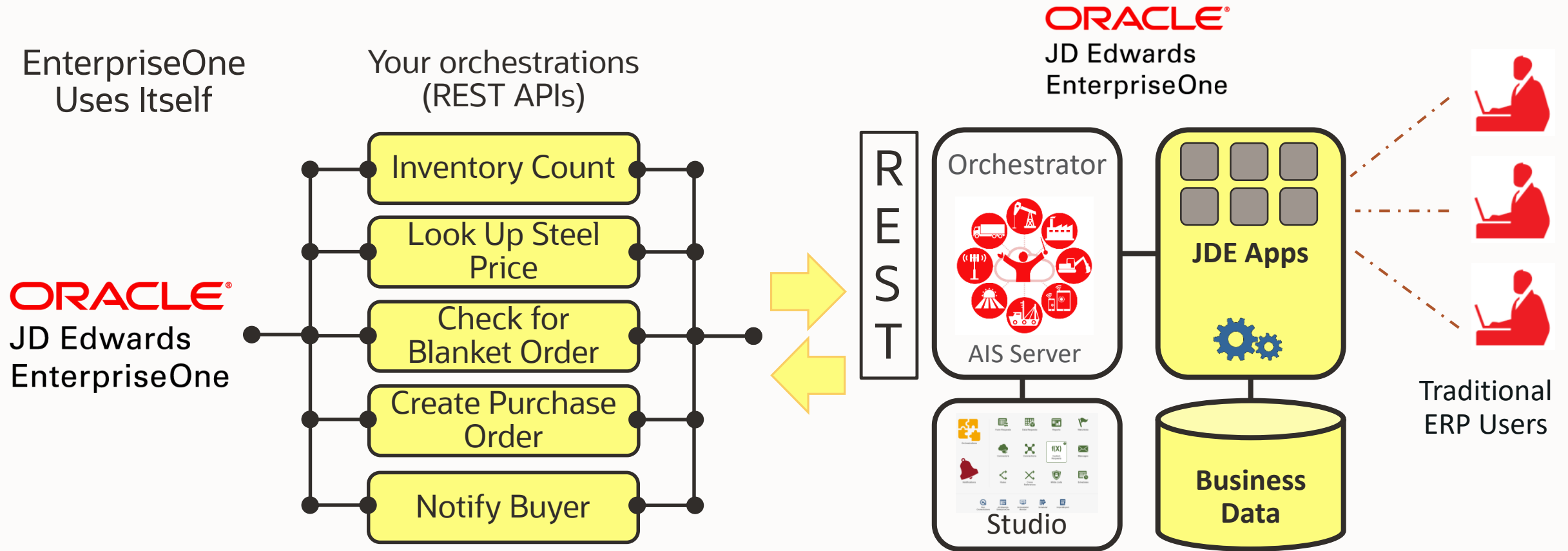
Automotive Leasing



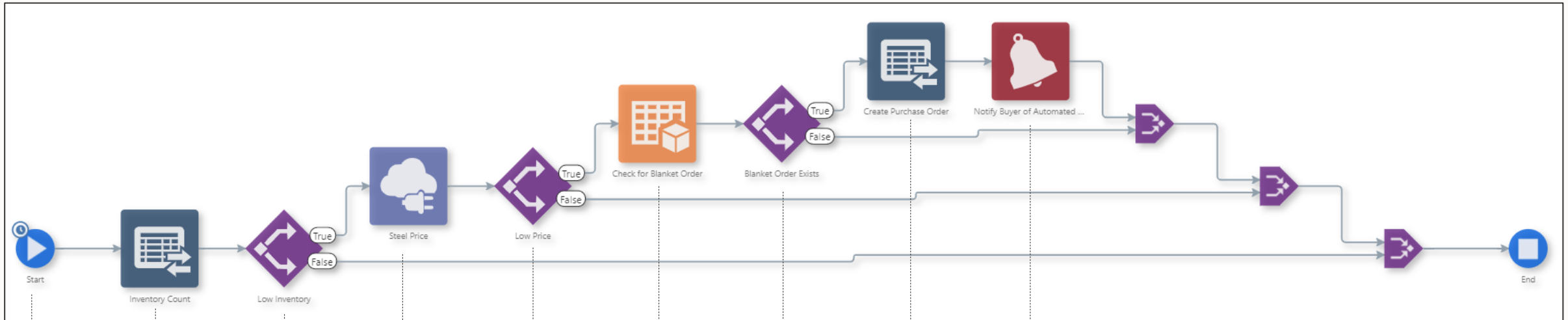
Glesby Marks
Integration between EnterpriseOne and Oracle Configure/Price/Quote



Putting Orchestrations to Use: Intelligent ERP



Putting Orchestrations to Use: Intelligent ERP



Run Every Day at 8:00

Check Inventory

Is Inventory Low?

Check Market Price

Is Price Low?

Check for Blanket Order

Does Blanket Order Exist?

Create Purchase Order

Notify Buyer



And more usage patterns...too many to include today

- **Workflow** with Notifications and action links
- **Automated Testing** with the Assertion Framework
- **Robotic Process Automation**: record orchestrations from EnterpriseOne forms
- **Simplified EnterpriseOne user experience** by launching orchestrations from forms
- **Chatbots** and Digital Assistants
- **Automated Bank Transactions**
- **Data Visualization**
- **Data Integrity**
- **Automated Setup of Business Units**
- **Automated System Administration** using Server Manager APIs
- **Security Automation**, provision/revoke users, assign roles, automated password reset

JD Edwards EnterpriseOne Orchestrator

Continuous Stream of Enhancements



- | | | | | | | |
|---|---|---|---|---|---|--|
| <p>9.1.5.5</p> <ul style="list-style-type: none"> • Orchestrator! • Form service • Rules • White list • Cross-reference • Custom Java <p>9.2.0.2</p> <ul style="list-style-type: none"> • Studio • Studio home page • Transformations • Where used • Import/Export • Orchestration UDOs | <p>9.2.1.2, 9.2.2.1</p> <ul style="list-style-type: none"> • Data service • AIS Version 2 • Output format • Message service • Outbound REST • Groovy • Nested orchestrations • OAuth 2.0 outbound • Iterate over steps • Database connector • Watchlist as a step • Notifications • Scheduler | <p>9.2.2.4, 9.2.3.1</p> <ul style="list-style-type: none"> • Process Recorder • Report as a step • File transfer • Confirmed completions • Assigned subscriptions • Resilient Scheduler • Orchestrations launched from business function • Message Center • Orchestrator Monitoring • Health Monitor • Error Handling • Input from CSV | <p>9.2.3.2, 9.2.3.3, 9.2.4</p> <ul style="list-style-type: none"> • Orchestrations launched from apps • OpenAPI spec • Enhanced output • XML input & output • Required inputs • Paging for high-volume data • Multiple actions in messages • Orchestrations & URL as actions • Redesigned Studio • Scheduler UI • Simplified Studio deployment/security • Iteration over rows • Mapping output to grid rows | <p>9.2.4.2</p> <ul style="list-style-type: none"> • Categories <p>9.2.4.3</p> <ul style="list-style-type: none"> • Orchestration Debugger • Calling business functions as steps • Embed orchestrations without a connector <p>9.2.4.4</p> <ul style="list-style-type: none"> • HTTP Compression • Public Key Certs • Queue Control • Grouped Arrays from CSV <p>9.2.5</p> <ul style="list-style-type: none"> • Assertion Framework • Large Data Sets • Variables in REST File Upload | <p>9.2.5.2</p> <ul style="list-style-type: none"> • Select Multiple Rows in a Form Request • Return REST Header Parameters as Variables • Array Variables for External REST Calls • Pass OAuth 2.0 Client ID and Secret in the Request Body • Health Check for Basic Auth Configuration for the AIS Server • Pass a Version to a Report Service Request • Secure Session Balancing across AIS Servers <p>9.2.5.3</p> <ul style="list-style-type: none"> • Orchestrator UDO Dependencies | <p>9.2.x</p> <ul style="list-style-type: none"> • Complex Queries to the EnterpriseOne Database • Extensible Scripting Framework • Launch Orchestrations from the E1 Web Client • User-defined Orchestration Response Message • Pop-up Messages for Orchestrations • Rich Formatting of Messages • Attachments to Messages: Media Objects • Orchestrator Support for Media Objects • Removal of Groovy from the E1 package (optional install) • Logic Extensibility |
|---|---|---|---|---|---|--|

Orchestrator Enhancements on LearnJDE:
https://docs.oracle.com/cd/E84502_01/learnjde/orchestrator_enhancements.html



For more information see www.LearnJDE.com

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Orchestrator Overview

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.

[Features and Benefits](#) [Success Stories](#) [Use Cases](#) [Enhancements](#)

[Orchestrator Overview](#) [Integration](#) [System Administration](#) [Capture Data](#) [Notifications](#) [Process Automation](#)

Get Started

- [New Orchestrator Studio: Transform How You Use Your JD Edwards EnterpriseOne System with the Orchestrator](#)
- [EnterpriseOne Orchestrator: As If You Thought It Couldn't Get Any Better **NEW!**](#)
- [Orchestrations for IoT Overview](#)
- [Presentation: Discover the Awesome Power of JD Edwards Orchestrator](#)
- [Understanding the JD Edwards EnterpriseOne Orchestrator](#)

Implement

- [Installation of Orchestrator Components](#)
- [Setting Up Orchestrator Studio 9.2.4 **HOT!**](#)
- [Setting Up Orchestrator Studio 8.0 and Prior Release **HOT!**](#)
- [Launching Orchestrations from EnterpriseOne Events Performance Characterization](#)
- [Oracle JD Edwards EnterpriseOne Application Interface Services \(AIS\) Server - Performance Characterization Using ADF Application and IoT Orchestrations](#)

Use

- [Creating Your First Orchestration](#)
- [Expanding Your Orchestrator Skills](#)
Translations:
- [Orchestrations for Developers](#)
Translations:
- [Extending JD Edwards EnterpriseOne Business Processes with Oracle JET Pages and EnterpriseOne Orchestrations](#)
Translations:
- [Business Function as an Orchestration Step **NEW!**](#)
- [Debugging Orchestrations: Helping You Troubleshoot More Easily and Build Better Orchestrations **NEW!**](#)





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