JD Edwards Product Update and Roadmap

Robert Monahan   Vice President, Product Management
Gary Grieshaber   Vice President, Product Management

April 20, 2020

Safe harbor statement

The following is intended to outline our general product direction. It is intended for information purposes only, and may not be incorporated into any contract. It is not a commitment to deliver any material, code, or functionality, and should not be relied upon in making purchasing decisions. The development, release, timing, and pricing of any features or functionality described for Oracle's products may change and remains at the sole discretion of Oracle Corporation.

The JD Edwards Product Strategy
Simplify, Optimize and Transform your JD Edwards ERP
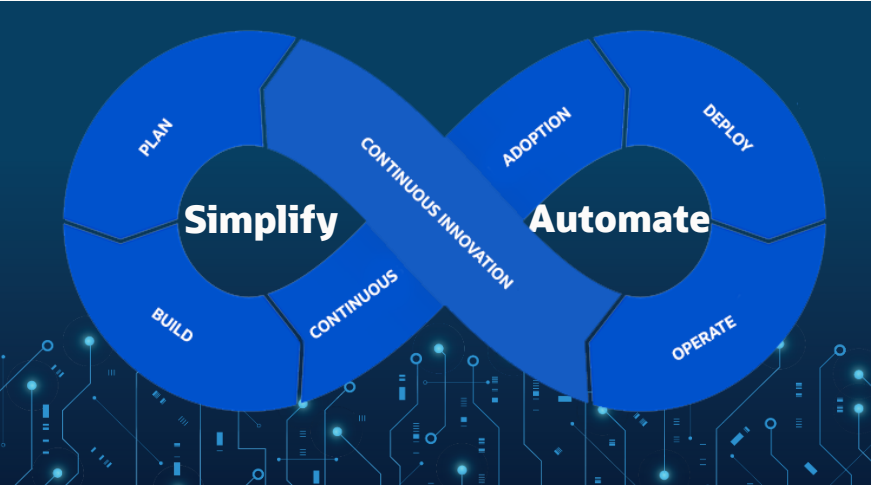
Simplify & Automate

- Efficient Run and Maintain
- Enterprise Class Infrastructure
- Continuous Innovation and Deployment

ERP Optimization

- Customer Driven Productivity
- Extend Existing Business Processes
- Regulatory compliance

Digital Transformation

- Process Automation
- Low/No code UI
- Integrations and Extensibility

Oracle's Investments for JD Edwards Customers
Leverage JDE Strengths Combined with the Broader Oracle Cloud Portfolio

ORACLE CLOUD APPLICATIONS

CHOOSE YOUR PRACTICAL PATH TO ORACLE CLOUD APPLICATIONS

| ERP Cloud | SCM Cloud | CX Cloud | HCM Cloud |

ORACLE JD Edwards EnterpriseOne

UPTAKE JDE ENHANCEMENTS

Simplify & Automate

Optimize ERP Applications

Digital Transformation

ORACLE Cloud Infrastructure

MOVE AND IMPROVE JDE USING ORACLE CLOUD INFRASTRUCTURE

| Compute | Networking | Storage | Load Balancing | Database Cloud Service | Exadata Cloud Service |

ORACLE
Applications
Unlimited

ORACLE
JD Edwards
EnterpriseOne

ORACLE
JD Edwards
EnterpriseOne

Oracle Applications Unlimited

Applications Unlimited is Oracle's commitment to **Continuous Innovation** for JD Edwards customers while also providing a commitment to offer **Oracle Premier Support through at least 2031**.

- JD Edwards EnterpriseOne 9.2

JD Edwards EnterpriseOne Tools 9.2.4.3

Announcing JD Edwards EnterpriseOne Tools 9.2.4.3, released on April 9, 2020 with new capabilities and maintenance

Digital Transformation
- Orchestration Debugger
- Business Function as an Orchestration Step

User Experience
- Navigation / Page Composer Improvements
- Form Extensibility Improvements
- Learning path for Mobile Apps

Platform Certifications
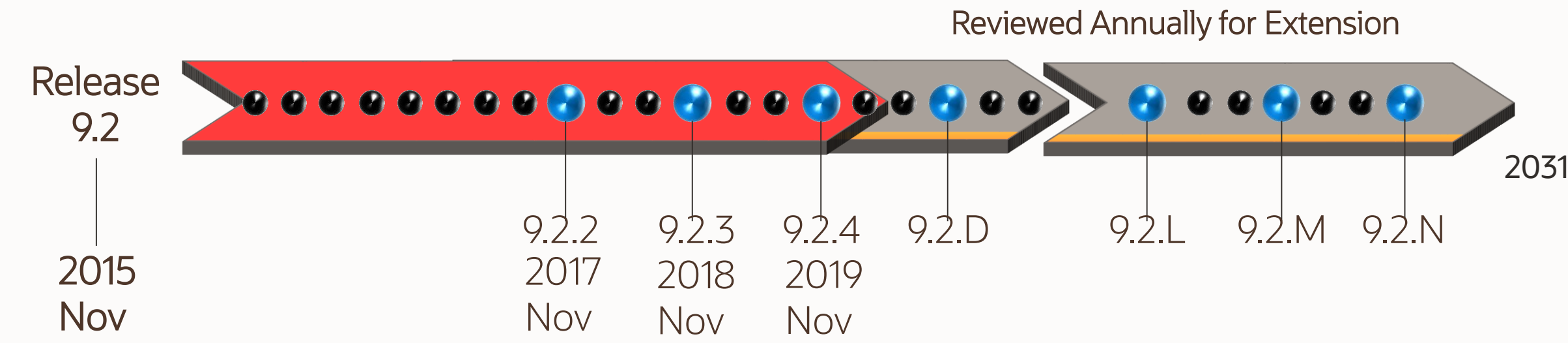
JD Edwards EnterpriseOne Application Enhancements

Announcing JD Edwards Applications for 9.2 released on April 9, 2020

- 58 Enhancements delivered as a direct result of customer requests
- #1 Financials SIG enhancement Request
- #1 & #2 M&D SIG Enhancement Requests

Committed to Customers, Innovation, and Products

JD Edwards Roadmap: Continuous Innovation on 9.2

Continued Investment and Support without Major Upgrade

Reviewed Annually for Extension

Release 9.2

9.2.2	9.2.3	9.2.4	9.2.D	9.2.L	9.2.M	9.2.N
2017	2018	2019				
Nov	Nov	Nov				

2015 Nov

2031

- ⚫ Feature Packs
- 🔵 Updates

As of April 20, 2020

Roadmap subject to change without notice. The above is intended or information purposes and may not be incorporated into a contract.

Future EnterpriseOne 9.2 Solutions
Highlights of Planned and Research Features

Planned

Planned → **Research**

Simplify - Automate
- **Automated Troubleshooting support for Kernel failures**
- **JD Edwards Reference Architecture Automation for OCI**
- **Elastic Container Deployment**
- **Virtual Batch Queues**
- **IDCS Certification**
- **Enhanced Security with Complex DB Password Support**
- **Web Enable OMW**
- **Development Client Simplification**

ERP Optimization
- **Apply Tax on Landed Cost**
- **Lot Date Selection for Requirement Planning**
- **Order Level Pricing in Procurement**
- **Pay Type Exemption by State**
- **Override Price on Order from Quote**
- **Supply Demand with Forecast Consumption**
- **Include Safety Stock in Time Series Header**
- **Ability to Edit Block Type on Active Blocks**

Digital Transformation
- **Assertion Framework for Orchestrations**
- **Queue Control for AIS Requests**
- **Extend E1 Session to Hosted Web Apps**
- **Inventory Availability and Customer Search Sample Mobile App**
- **Enhanced Search Criteria and Actions**
- **Extensibility: Create Form & Row Exits**
- **Improved User Sign-on Auditing**

Simplify - Automate
- **Automated Package Build and Deployment**
- **Server Manager Scalability & Performance**
- **Offline monitoring and notification**
- **Simplified Patching**
- **Diagnose n Heal (DnH) Tool**
- **Automated SSL configurator**
- **Autonomous Linux**
- **Next Gen Cloud Management and Monitoring**
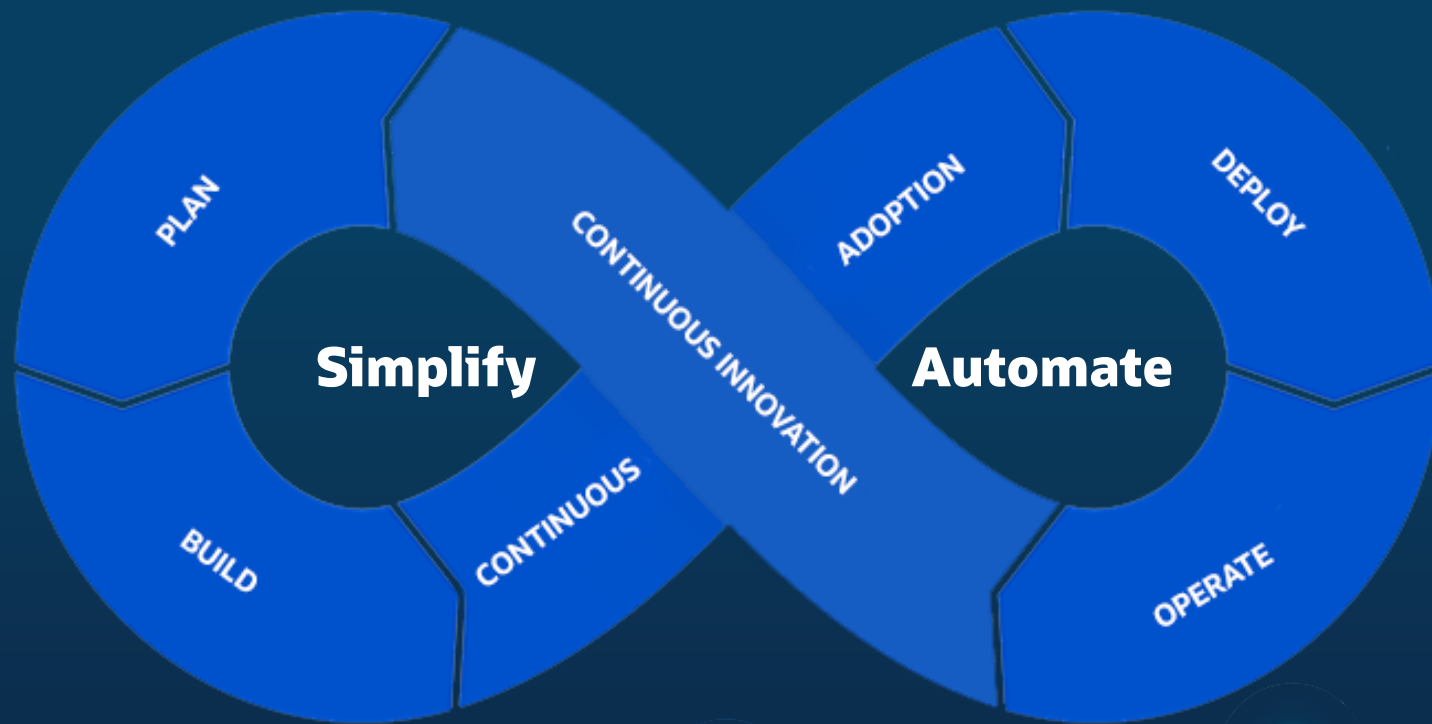
ERP Optimization
- **Global Lot Master**
- **NACHA Data Security for US Payments**
- **Expand LPN Commitment Swap**
- **Enable Lot Location During Receipt Route**
- **Volume Level Pricing in Procurement**
- **Landed Cost at Time of PO Receipt**
- **Manufacturing Planning**
- **Reverse Ship Confirm**
- **Time Sensitive Pricing**
- **RMA Simplification**

Digital Transformation
- **Modern Workflow**
- **Automation for Batch & Queue Management**
- **Logic on the Glass**
- **Batch on the Glass**
- **Integration on the Glass**
- **Rich Text Messages**
- **Alternative UX:**
  - **Conversational Experience: Chat bots**
  - **Digital Assistants**
  - **Embedded Web Applications**
- **Grouped Arrays from CSV Files**

Zones of Investment
Driving innovation at your organization

|	Disruptive Innovations	Existing Innovations
Revenue Performance	Transformational Process • Mobile / Digital Assistant • Internet of Things	High Performance Process • Process automation with JDE orchestrator • Process simplification with UX One
Enabling Investments	Incubate Future Innovation • AI / Machine Learning • Blockchain	High Efficiency Process • Automated testing • IT DevOps automation • Cloud infrastructure

Cost shift

JD Edwards - Simplify and Automate
Increased Innovation at a Lower TCO

Global, Enterprise Class infrastructure at a lower cost than On-premises
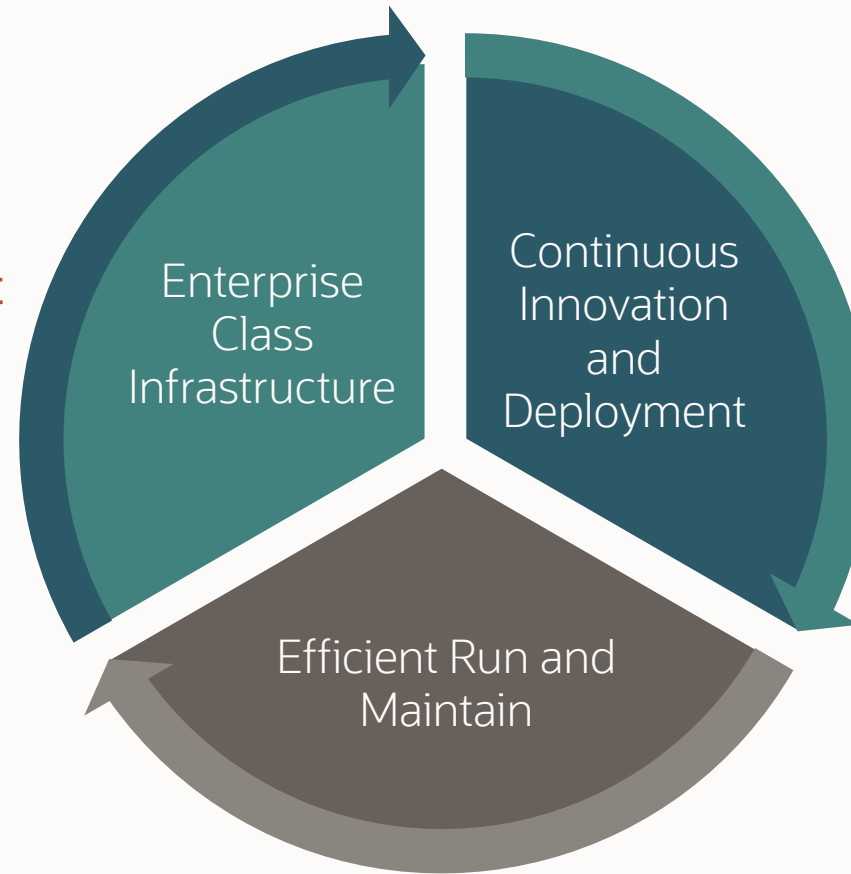
Easily stay current to leverage new capabilities to transform business processes

Enterprise Class Infrastructure

Continuous Innovation and Deployment

Efficient Run and Maintain

Automate common IT activities to deliver the highest quality of service

Enterprise Class Infrastructure
Innovative Solutions to Real World Challenges

Infrastructure Challenges

- Dated system architecture practices
- Need to size for peak workloads
- Disruptive and costly to refresh system
- Difficult to implement HA/DR
- Running an outdated or non-mainstream platform that requires specialized skills

Automation

Elasticity

Cloud Infrastructure

Proven system architecture
Automates best practices architecture and migration from On-premises to Cloud

Pay for what you use
Workload and policy driven scalability at all layers of the architecture

Next gen infrastructure
Cutting edge, High performance, majority platform, with managed infrastructure at a low TCO

Continuous Innovation and Deployment

Continuous Adoption Challenges

- High Effort to Upgrade
- Time and Effort to Retrofit Customizations
- Ongoing Cost to Validate changes
- Potential impacts to existing Business Processes
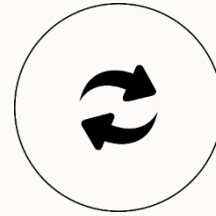
Upgrade

Extensibility

Validation

Simplified Upgrade
Reduces time and effort required to get code current and retrofit customizations

Retire Customizations
Business analyst tailor user experiences and process on the glass

Ongoing Testing
Focus testing on impacted business processes

Efficient Run and Maintain

Challenges

- Time consuming manual system administration activities
- IT resources are focused on supporting systems instead of innovation
- System maintenance interrupts business processes and activities

System Admin

Troubleshooting

Patching

Simplified System Admin
Automation of repetitive system upkeep requirements, Reimagined Server Manager

Automated Problem Detection
System self-monitoring, Dev-ops technologies for simplified troubleshooting

Lower System Admin Costs
Automation and simplified tools for package build and deployment of JDE

JD Edwards – Simplify and Automate Strategy
Increased Innovation at a Lower TCO

Efficient Run and Maintain

- *User Defined Object LCM*
- *REST Enabled Server Manager*
- *Health Checks*
- *Virtual Batch Queues* `Planned`
- *Dev Client Simplification* `Planned`
- *Web Enable OMW* `Planned`
- *Blue-Green Deployment* `Planned`

ORACLE®
JD Edwards
EnterpriseOne

Simplify   Automate

PLAN | CONTINUOUS INNOVATION | ADOPTION | DEPLOY
BUILD | CONTINUOUS | OPERATE
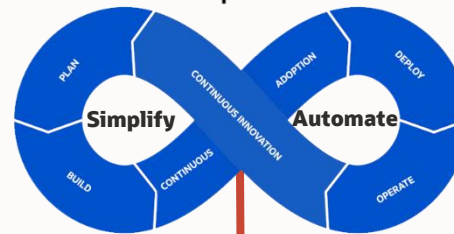
Enterprise Class Infrastructure

- *One-Click Automation*
- *On-Prem to Cloud Migration*
- *Reference Architecture*
- *Upgrade JDE to Cloud Target*
- *Elasticity Capabilities*
  - White Paper – Auto Scale
  - Autonomous DB `Planned`
  - Elastic Deployment `Planned`

Continuous Innovation and Deployment

- *Simplified Upgrade/Update*
- *Object Tracking with Impact Analysis*
- *Low-Code/No-Code Digital Platform*
- *De-Customizer*
- *Automated Testing Framework* `Planned`

Roadmap subject to change without notice. The above is intended or information purposes and may not be incorporated into a contract.

Simplify and Automate the Administration of Oracle JD Edwards EnterpriseOne 9.2

Simplify and Automate the ongoing maintenance of JD Edwards to ensure that the product's total cost of ownership remains low while taking advantage of the significant innovation opportunities available in the Oracle JD Edwards ecosystem.

February 3, 2020 | Version 1.00
Copyright © 2020, Oracle and/or its affiliates
Confidential: Public

Link to Whitepaper

Circle K
Reduces OPEX costs with JD Edwards on OCI

Key Drivers

- High number of customizations & high volume of recurring incidents

- Improve system stability

- Reduce maintenance costs & staying code current

Solution & Results

- EnterpriseOne 9.2 on OCI – Financial Management, Real Estate Management, Manufacturing Management, Distribution & Logistics, Capital Asset Management

- Automation of Procure-to-Pay, Sourcing & Order-to-cash

- Stable log term fixes – 14% decrease in total open incidents YoY and growing

- 48% of super users can solve most or all incidents

- Availability of domains within region for smarter DR

- Reduce OPEX costs in future

"We chose JD Edwards because we deemed it to be the best solution to automate procure-to-pay, sourcing, order-to-cash, and other essential facets of our operation."

- Vegar Bøthun, previous CIO at SFR

JD Edwards – ERP Optimization
High performing processes for your business

Improved user productivity through process efficiency and visibility to pertinent business data
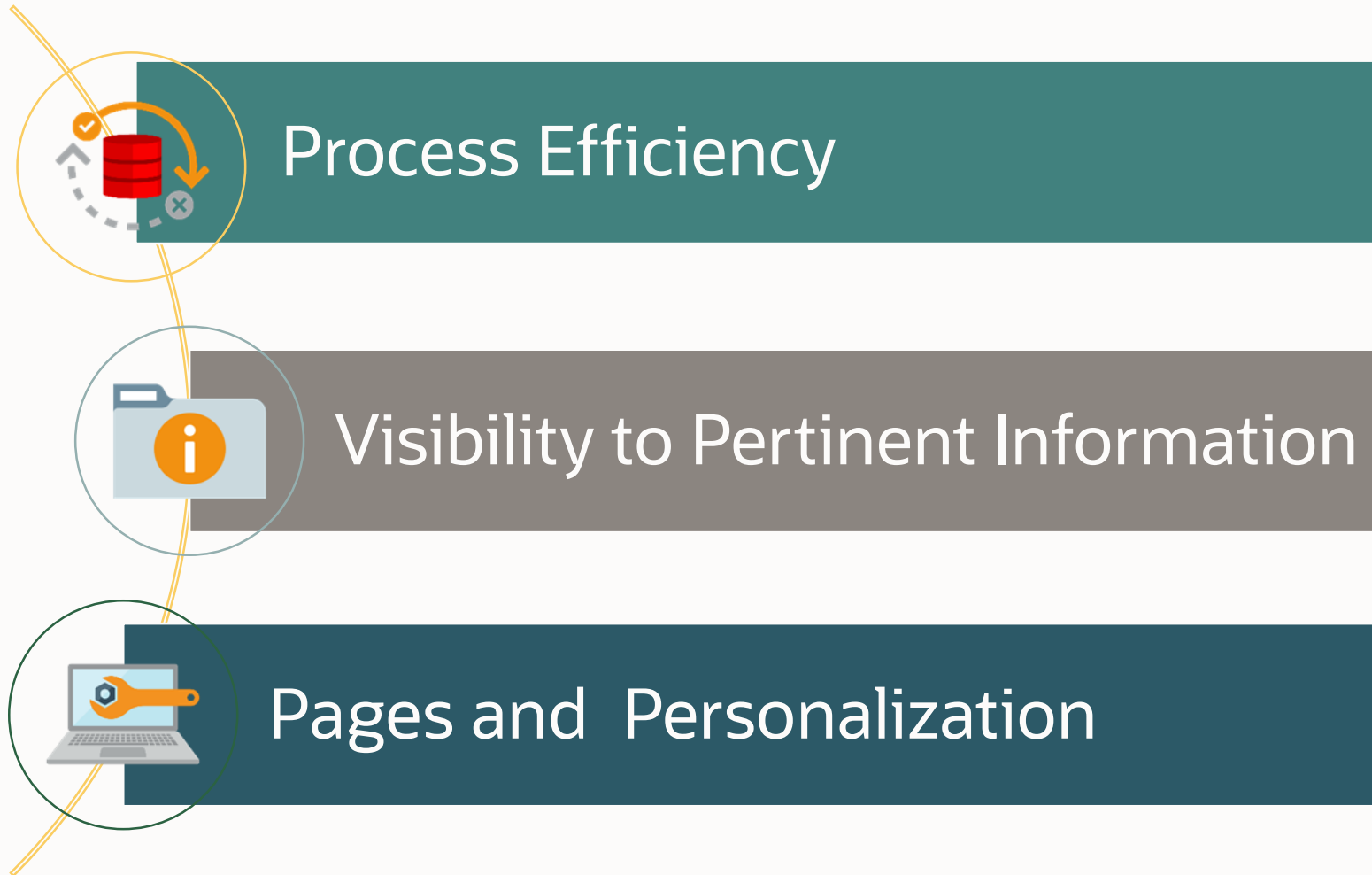
Customer Driven Productivity

Enhance Existing Business Processes

Regulatory Compliance

Enable regulatory compliance for global, country, and industry processing and reporting requirements

Horizontal and Industry enhancements to extend and deepen business processes

Customer Driven Productivity

Process Efficiency

Visibility to Pertinent Information

Pages and Personalization

Customer Driven Productivity
April 2020 release at a glance

Financials

A/R Specialists can

- view important details on the printed invoice
- choose the pay status for invoice with zero amounts
- experience an improved transaction integrity for Invoices, Receipts and Drafts

A/P Specialists can

- use the G/L bank account from the PB AAI or from the selected vouchers when creating a manual payment

Manufacturing

Production Planners/Buyers can

- generate and review Work Order Component Shortage Report that considers inventory quantities from all locations

Production Engineers can

- more easily review the history of bill of material changes

Quality Managers can

- generate Certificate of Analysis which now includes important lot information

Distribution

Inventory Managers can

- set default display options such that the 'Summary Only' or the 'Omit Zero Quantities' check box is selected when accessing the Item Availability form

Customer Service rep can

- Automatically populate backorder line pick date from Supply /Demand CATP

Scale Operators can

- receive weigh tags for a block or harvest with the item UOM instead of the block default UOM

Customer Driven Productivity Examples
April 2020 release at a glance

Real Estate Management

Real Estate Accountants can

- review the results of the Sales Order Generation process prior to it being finalized, this ensures data accuracy prior to generating the transactions

Lease Administrators have

- consistent access to attachments for various types of lease data and are now able to print them on additional reports

Asset Management

Asset Managers have

- warnings issued when obsolete part numbers are added to a work order
- validation available in CAM-Manage Equipment Work Orders, Work Order Revisions, and CRM-Manage Service

Service Managers

- will not be able to create service work orders or service contracts to equipment marked as inactive

Human Resources

Payroll Professionals

- now have the ability to reset a specific payment from a payroll run without impacting the rest of payroll

Managers and Supervisors

- will find it easier to access time cards for a specific employee and easier to identify employees with missing time
- have an easier method of finding specific leave requests

Enhanced Business Processes

Horizontal Processes

Industry Processes

Process Compression
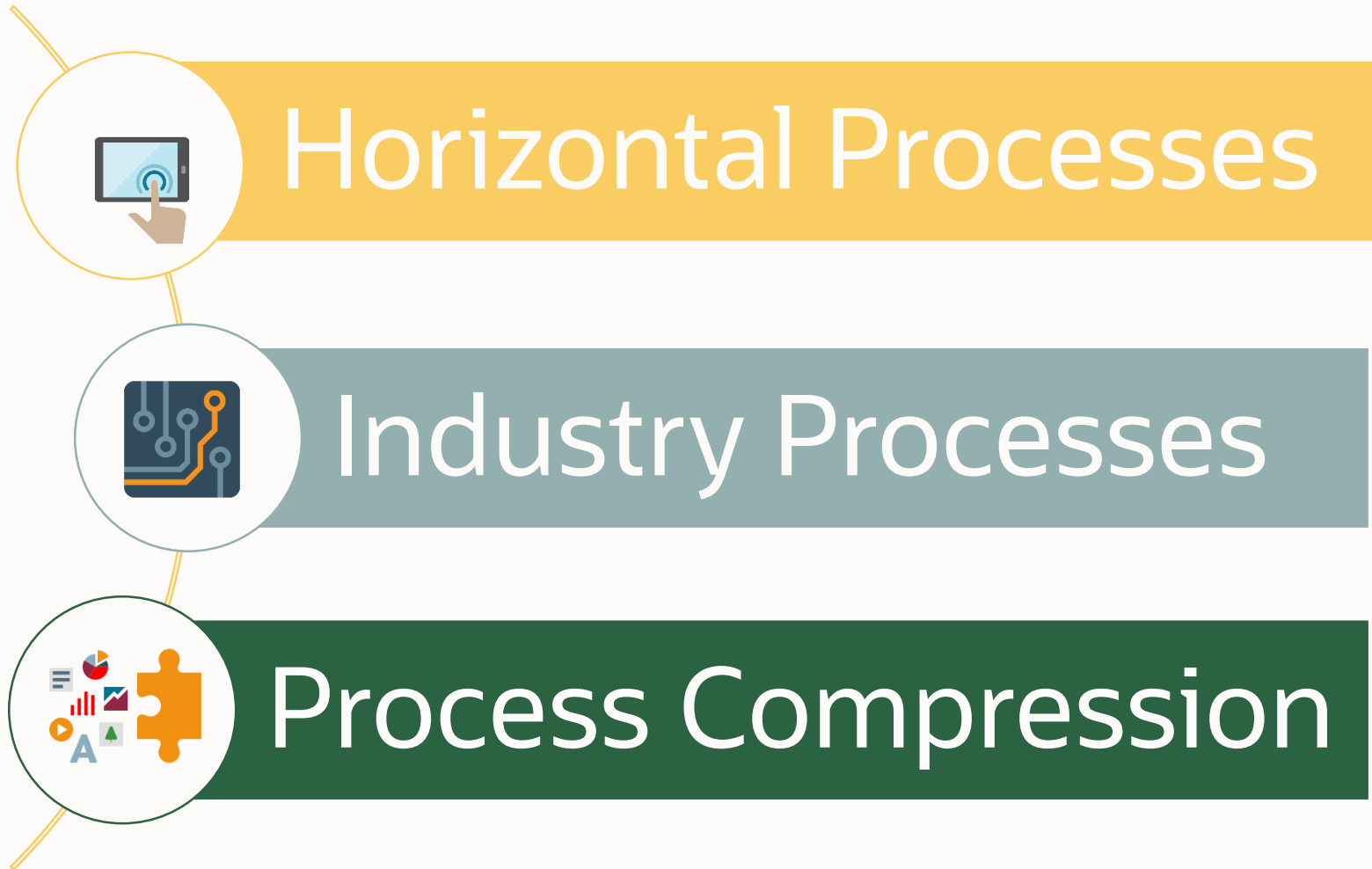
G/L Batch Status History
All industries – New Audit and Compliance Capability

General Ledger Batch

- Approve
- Post
- Re-Open
- Void
- Create
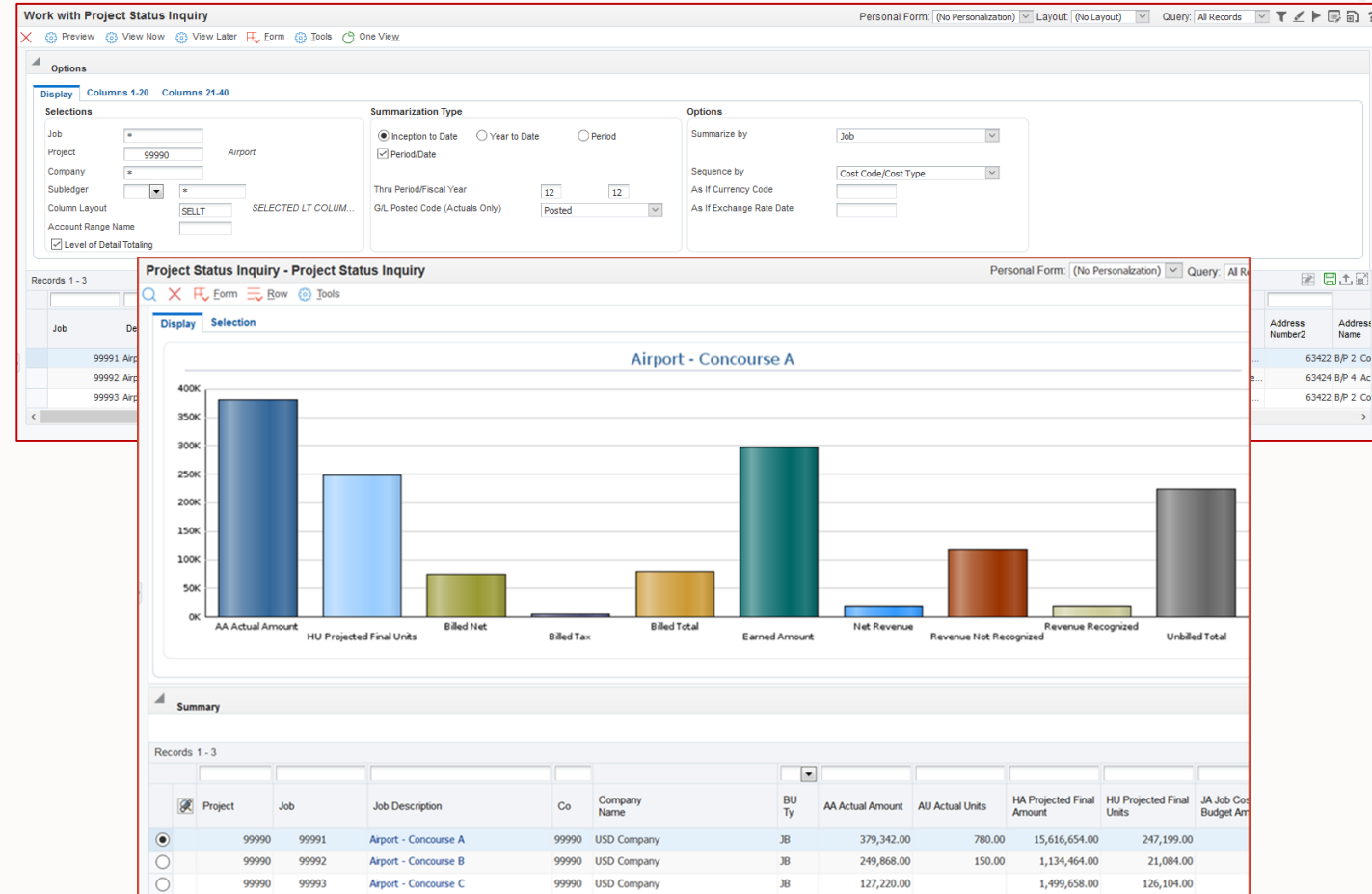- Delete
- Who - When - What

G/L Batch Status History
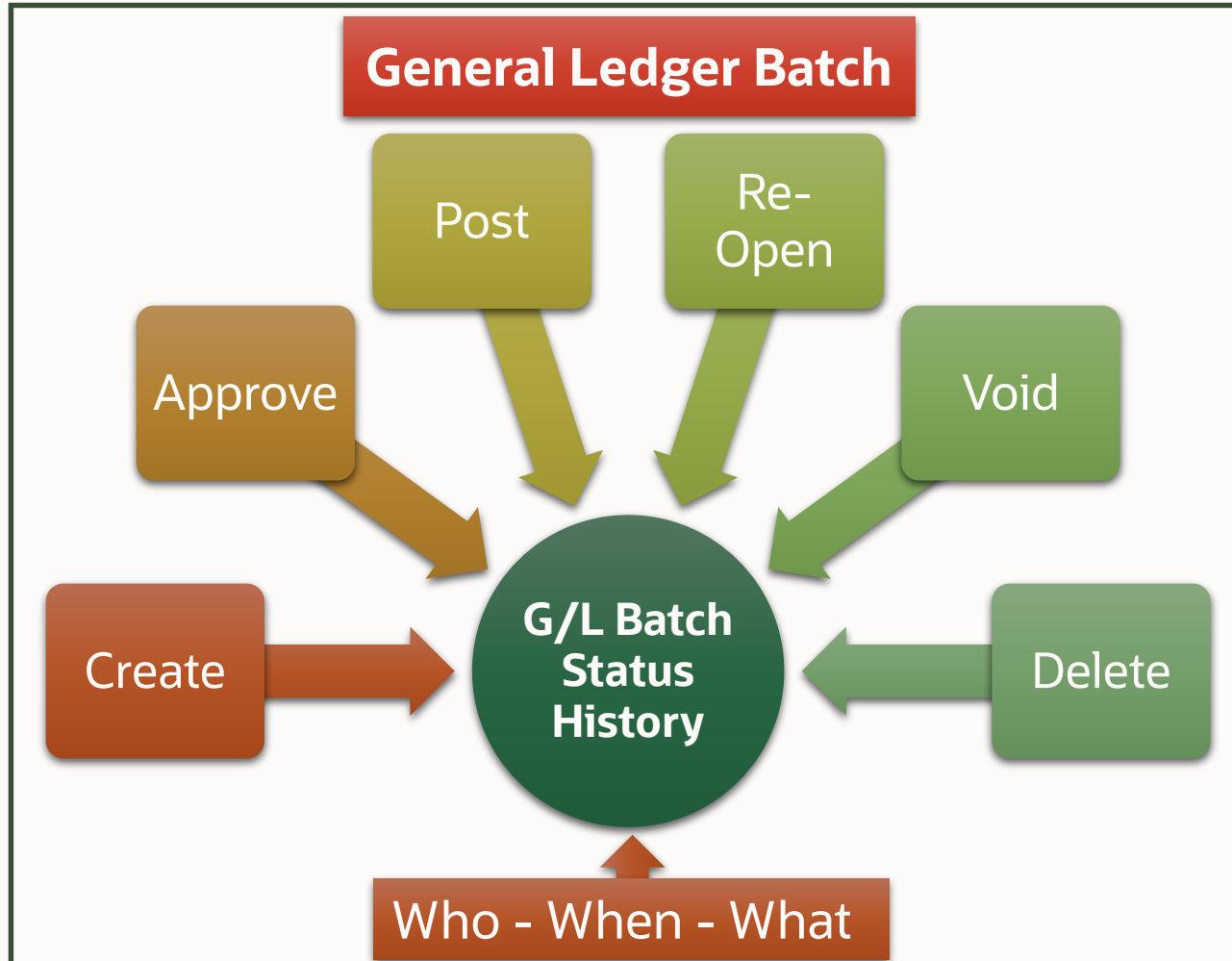
- #1 request from customers and the Quest Financials SIG
- Tracks the history of a batch of G/L transactions
- Supports financial and segregation of duties audits
- Strengthens internal financial controls
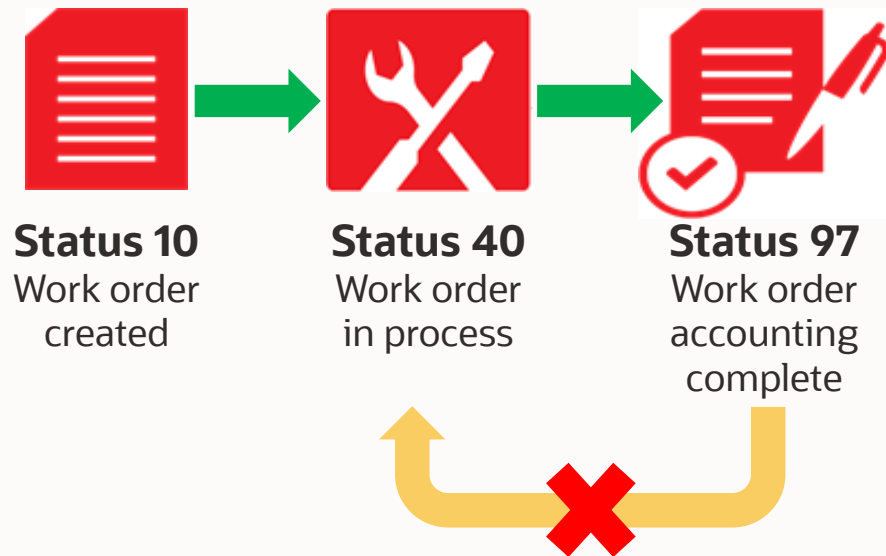
Project Status Inquiry
For Project based industries

- Project based assessment of multiple jobs status
- Includes budgets, actuals and forecasts
- Level of Detail rollup
- Projected final costs

Activity Rules and Ledger

For Manufacturing companies

Status 10
Work order created

Status 40
Work order in process

Status 97
Work order accounting complete

- #1 and #2 requests from customers and the Quest Manufacturing SIG
- Ensures adherence to an established process flow
- Provides consistency with Maintenance Work Order, Sales Order, and Purchase Order processing
- Track work order changes to satisfy auditing requirements.

License Plate Picking Optimization

For Distribution companies

- Enhanced pallet picking rules for breakdown logic and partial pallets
- Optimized location picking logic to provide additional sequencing options for units of measure and location quantity
- Maximizes location and staff utilization

The Weitz Company

## Weitz Improves Processes after Upgrade to EnterpriseOne 9.2

Key Drivers

- Eliminate manual processes
- Improve performance of custom processes
- Embrace continuous adoption and innovative features

Solution & Results

- Simplification of existing month end processes from 20 hour run times to minutes
- Mobile solutions eliminated manual processes for Paystub view and Delivery Tickets
- Custom code for Projected Final Cost was removed for new JD Edwards Job Cost feature eliminating customization
- Continuous adoption now possible with fewer customizations

Enabling Regulatory Compliance

Country

Global

Dynamic
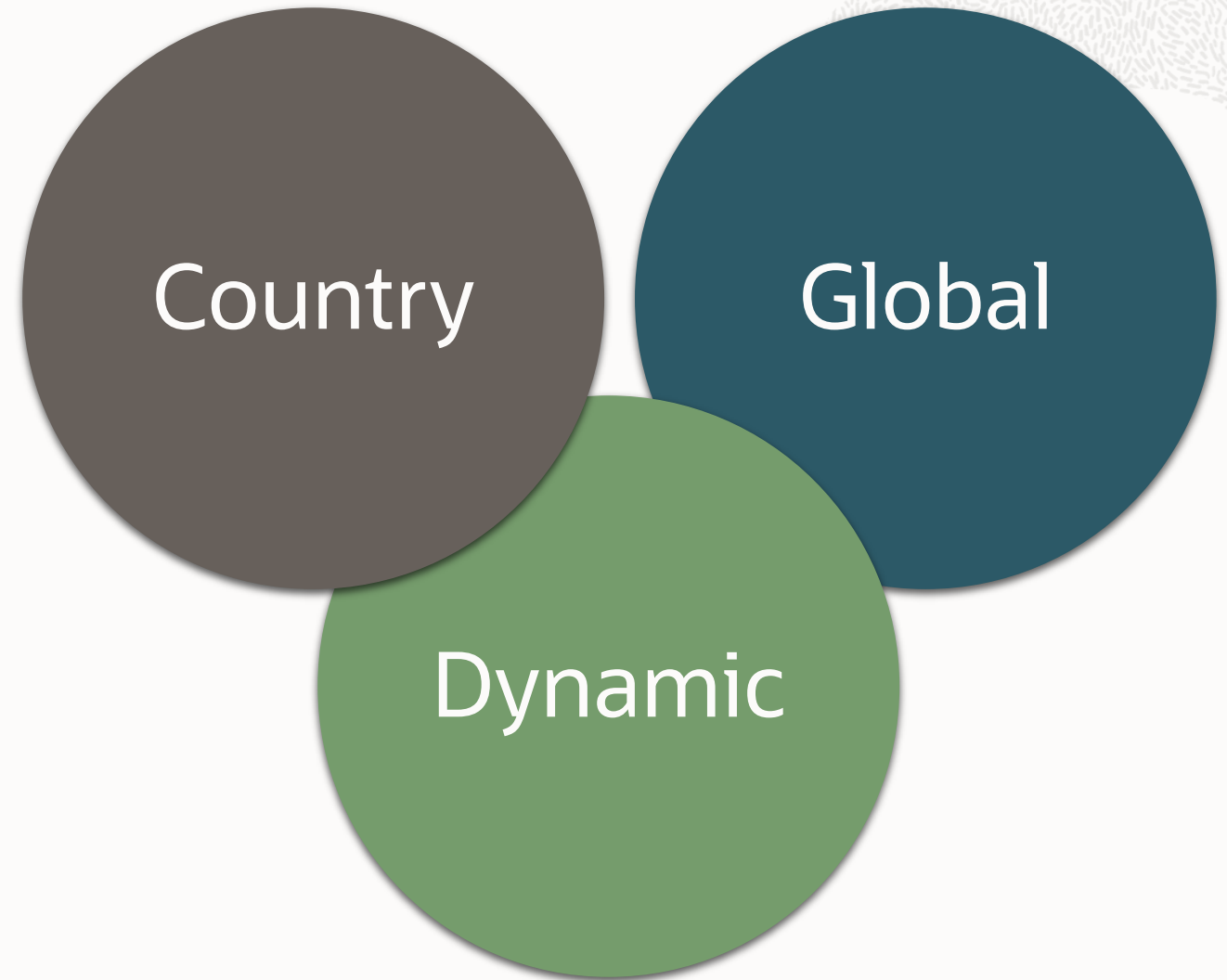
Enabling Regulatory Compliance

April 2020 release at a glance

North America

- United States
  - Payroll - Year End 2019
  - Financial Year End 2019 1099
  - Support Families First Coronavirus Response Act
- Canada
  - Payroll - Year End 2019

EMEA

- European Union
  - Customer/Supplier Balance Report Updates
  - eInvoice for Accounts Receivable - XML Response Consumption (B2G)

LATAM

- Argentina
  - General Resolution AFIP 4245/2018
  - General Resolution 4523 (SIRE and SICORE VAT Withholding and VAT Perception Changes)

JAPAC

- India
  - Central Goods and Service Tax (GST) Amendment Rules 2019
  - GST Electronic Tax Invoice Reference Number (IRN)
- Taiwan
  - e-GUI (Government Uniform Invoice) 2020 & Reporting

Lease Accounting For Lessors and Lessees

Meeting Your Global Lease Accounting Requirements

Key Features

- ✓ Lessee accounting for property and non-property assets
  - ✓ Simplified lease management
  - ✓ Lease terms change management
  - ✓ Multi-currency lease processing

- ✓ Lessor accounting for property leases
  - ✓ Straight line rent
  - ✓ Revenue recognition for lease management companies

Lessee Accounting

Establish Lease → **Create Leased Assets** → **Generate Amortization Schedules** → **Create Lease Commencement Journal Entries** → **Create Monthly Amortization Journal Entries**

Martin Marietta
Achieves Compliance with Lease Accounting Standards

Key Drivers

- Compliance with the new IASB/FASB accounting standards for Lease Accounting
- Avoided use of 3rd party or custom solution

Solution & Results

- JD Edwards EnterpriseOne 9.2 Lease Management
- Compliant with the new IASB/FASB accounting standards for lease accounting
- Track leases and lease term changes with JDE Lease Management

"The new Lease Accounting solution in JD Edwards EnterpriseOne 9.2 saved the day for us. We were going down a different path with a different solution until we realized that wasn't going to work for us. We only had 3 months before we had to become compliant. We had to immediately change course and after having conversations with the JDE product team we went with the new Lease Management solution. In under 12 weeks, we were able to get the new solution implemented, fully configured and generate 10K reports to become compliant. The JDE product team helped us throughout the process to make sure we were successful."

- **Krishna Muthuperumal**, Director, Enterprise Applications

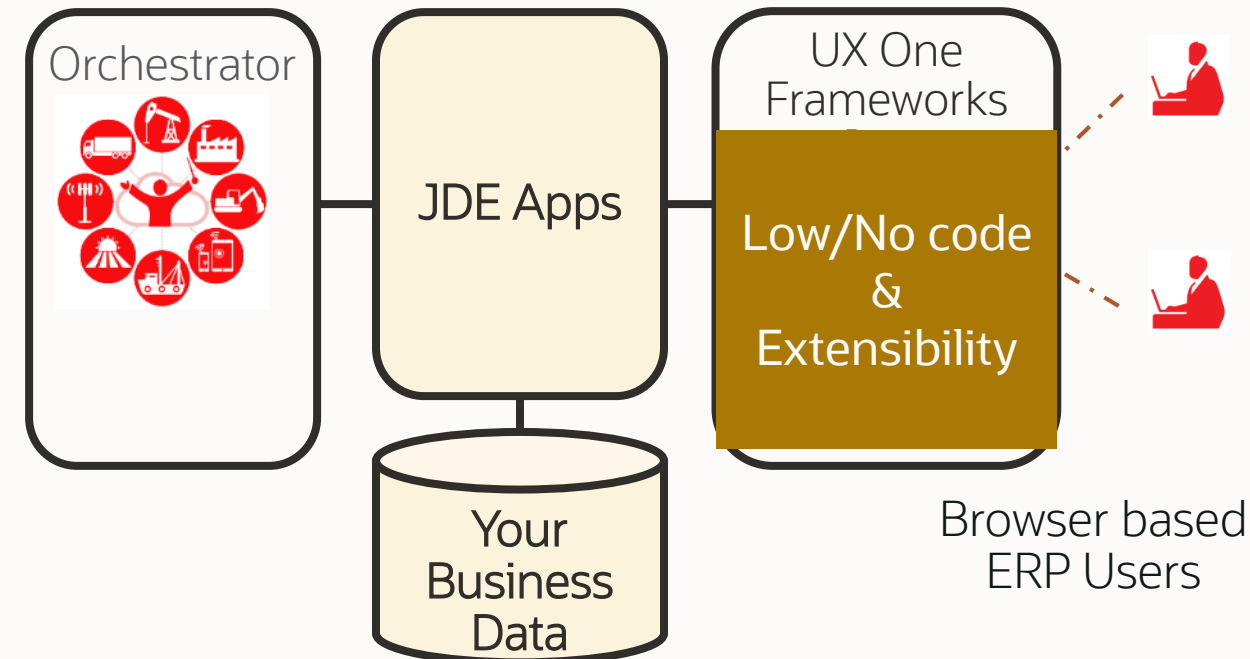Martin Marietta

Digital
Transformation

JD Edwards Digital Platform
Transform Your Processes with Digital Technologies

Use cases to realize the value of your enterprise data

Mobile User interface	
Low / No Code User Interface	Low/No code Alternate UI
Digital Assistants / Chatbots	
Enterprise Process Automation (RPA)	
JD Edwards Process Automation	Process Automation
Business logic extensibility	
Machine to machine integration (IoT)	
Cloud Integration (SaaS, PaaS)	Integration and Extensibility
Third Party Integrations	
Emerging technologies	

ORACLE®
JD Edwards
EnterpriseOne

Orchestrator — JDE Apps — UX One Frameworks / Low/No code & Extensibility

Your Business Data

Browser based ERP Users

Your JDE Assets: Applications and Business Data

JD Edwards Low/No Code
Fit for purpose UI using tool of your choice

Choose Your Low/No Code Development Tool

+

Orchestrations to Connect to JD Edwards

=

Rapid Application Development to enable Mobile Access, Chatbots, IoT, Collaboration…

VBCS

React

Xamarin

Visual Builder Cloud Service

Angular

mx mendix

outsystems   PEGA

AppGyver

ORACLE®
JD Edwards EnterpriseOne
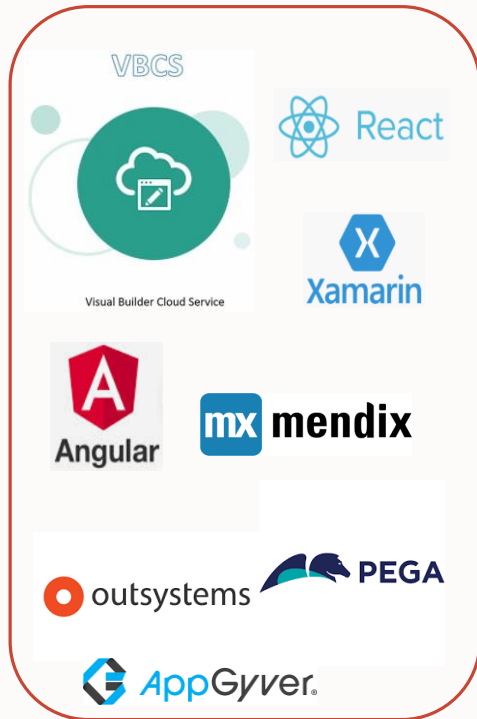
New! Learning Path for using Visual Builder Cloud Service (VBCS) and orchestrations to create mobile apps

Digital Assistants and Chatbots
Expose EnterpriseOne applications in natural human dialog

Browser UI
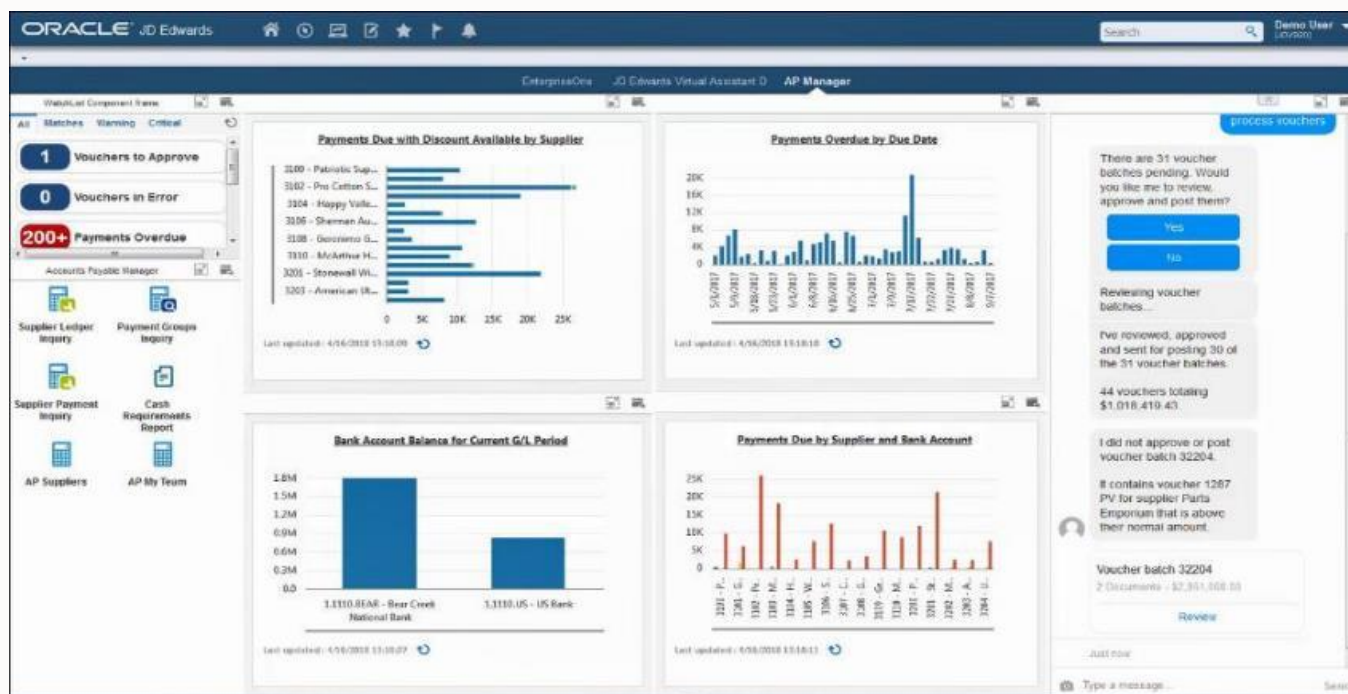
Mobile UI
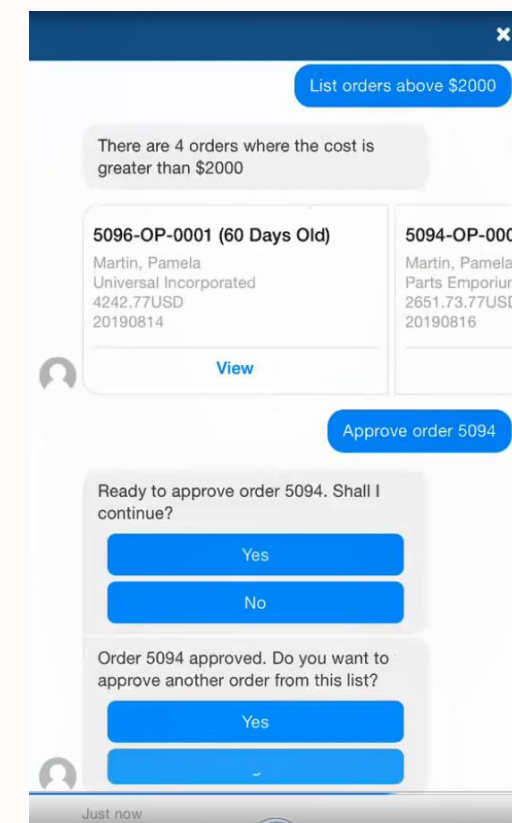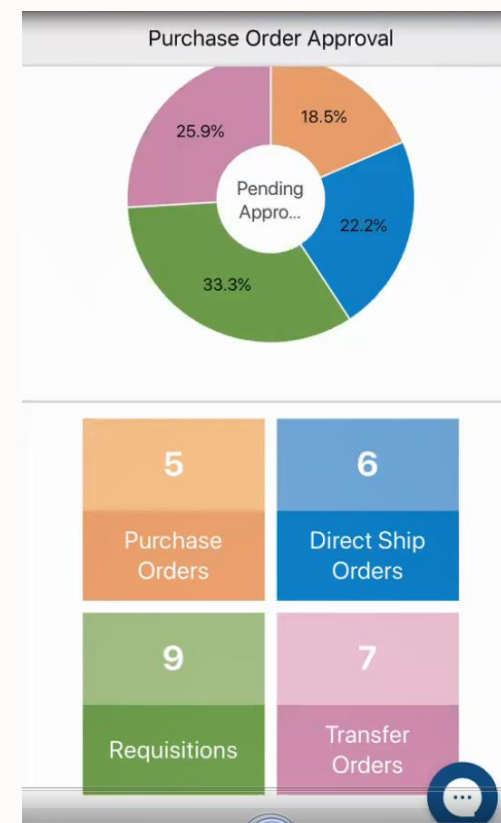
See the prototype in action:
https://www.youtube.com/embed/VGbKR6AiJro?autoplay=1&mute=1
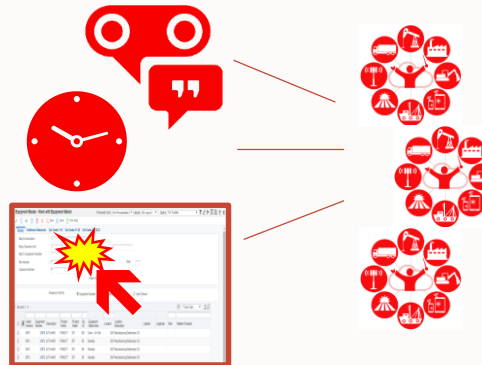
Orchestrated Process Automation
Simplify or eliminate tedious tasks

Challenges

- Repetitive transactions are a burden to human users

- Humans make mistakes

- ERP data is missing, erroneous, or late

Use the Tools You Have
Use orchestrations as automated transactions.

Simplify and Eliminate
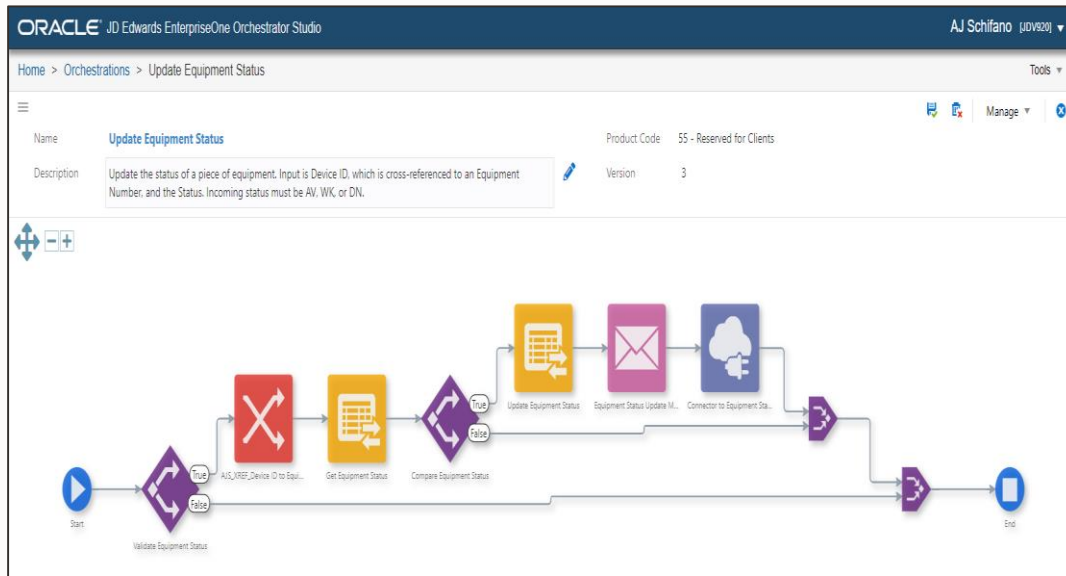A single orchestration can encompass many manual steps.

Initiate from Anywhere
Invoke orchestrations from RPA tools, schedulers, chatbots, and JDE forms.

Redesigned EnterpriseOne Orchestrator Studio
Simple, Graphical and Intuitive

New in Tools 9.2.4

- Improved UX for technical and nontechnical users
- Graphical flow allows easier visibility to steps
- Top-level access to all orchestration components
- Add, move, or delete steps with ease
- Run and debug orchestrations within the Studio
- Intuitive interface for Scheduler
- Simplified management via AIS server; ADF server no longer required

Assertion Framework for Orchestrations
Using orchestrations as test cases

as·ser·tion: a confident and forceful statement of fact or belief

Ensuring your Orchestrations

- Execute without errors
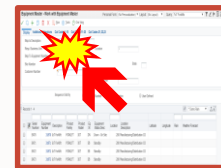- Produce the data that the creator expects
- At every step in the orchestration

Use the Tools You Have
Use orchestrations as test cases to validate business processes

Ensure that Data is Valid
Define the expected values ("assertions") for test cases and investigate deviations

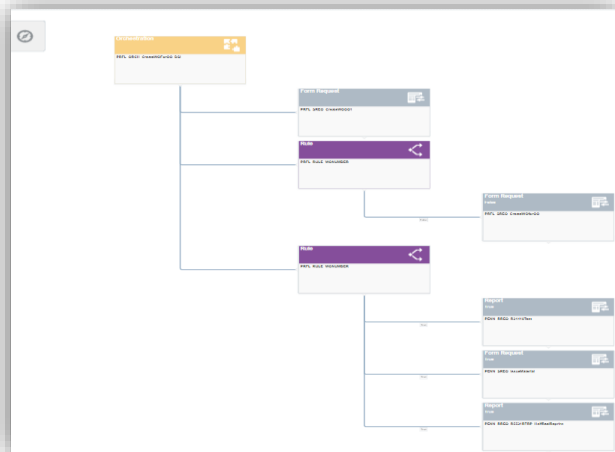**Simplified Capture of Tests**
Use the Orchestrator "Record a Process" feature to create tests and expected values

PennEngineering
Automates Processes with JD Edwards Orchestrator

Key Drivers

- 4-step manual process, 15X/day
- Eliminate human errors

Solution & Results

- All steps combined into a single orchestration
- Two hours to design; one day to develop and test
- Called from a form extension or a handheld scanner
- Process time reduced by 80%
- Elimination of human errors

"We're enabling the end user on the shop floor to focus on quality, safety and customer service instead of manually intensive system processes, AND we're improving data integrity within our ERP system."
Melody Bivona, Manager of Applications Architecture, PennEngineering

JD Edwards Integration and Extensibility

Challenges

- Time to deliver solutions to end users
- Unique skill sets required
- Rapidly changing technology options
- High cost to maintain customizations and integrations

On the Glass

Industry Tools

Standards Based

Personalization
Empower the business analysts to simplify the end user experience to increase productivity

Industry Standard Tools
Common tools reduces the cost of development and enable future technology trends

REST Services
Future proof integrations by leveraging industry standards

Dutch Valley Food Distributors, Inc.
Enabled Item & Shipment Tracking with JDE E1 UX One

Key Drivers

- Reduce customizations.
- Validate buyer addresses.
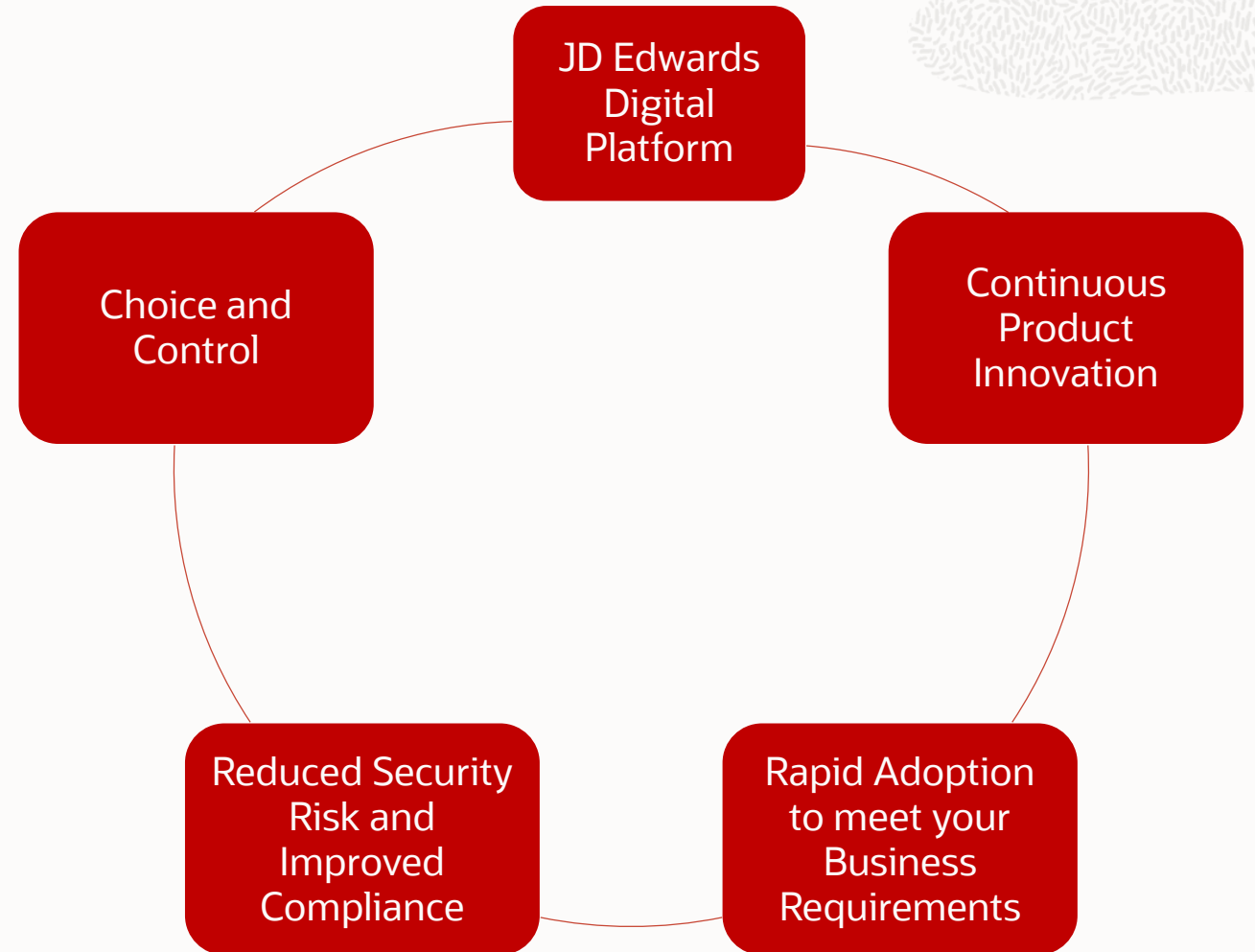- Accurately track items and shipments.

Solution & Results

- EnterpriseOne 9.2 – UX One
- Reduced customizations with the help of Personal Forms, Form Extensions & CafeOne.
- Personal Forms – 'Customer Category Codes' helps to match and maintain customer information; 'Item Shipping' helps track & ship every single item; 'PO Entry' keeps delivery date transparent for buyers & truckers.
- Form Extensions – Helps work with fields in tables associated with business views. Allowed them to increase number of rows & expand the grid box.
- CafeOne – Addresses are validated through external APIs, the address type is returned and is shown on a custom webpage. Location details are available through integration with Google Maps.

Summary and Call to Action

Innovate with EnterpriseOne 9.2

- **Digitally transform** your operations

- **Enable Innovation** with the latest JD Edwards application and technology features

- **React Rapidly** to new business trends, regulatory requirements and technology trends

- **Reduce Risk** with access to the latest updates for infrastructure, security and compliance updates.

- **Choice and Control** long term roadmap provides opportunity to fully leverage your Oracle investment

JD Edwards Digital Platform

Continuous Product Innovation

Rapid Adoption to meet your Business Requirements

Reduced Security Risk and Improved Compliance

Choice and Control

Get Involved in our Social Communications

JD Edwards
Professionals

The JD Edwards
Group (JDE)

Oracle JD Edwards

LearnJDE.com

@OracleJDEdwards

oraclejdedwards

Quest Oracle
Community

My Oracle Support
Communities

JD Edwards Week – June 8-11, 2020

https://questoraclecommunity.org/events/conferences/questforumdigitalevent/jd-edwards-week/

JD Edwards Week: June 8 – 11, 2020