Journey to Continuous Innovation

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Safe Harbor

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Program Agenda

1 ▶ Continuous Delivery and Adoption Considerations

2 ▶ Oracle JD Edwards Investments in Continuous Delivery

Program Agenda

1 Continuous Delivery and Adoption Considerations

2 Oracle JD Edwards Investments in Continuous Delivery

Continuous Innovation Drivers

Business

Reimagined, Process standardization, Consolidated Visibility, Security, Workforce Engagement, Global Expansion, Cost Reduction, Agility

Technology

Robotic Process Automation, Personalization Framework, Internet of Things, Mobile, Chatbots, Autonomous Database, Predictive Analytics, Oracle Cloud Infrastructure, SaaS applications, Hybrid, Elasticity
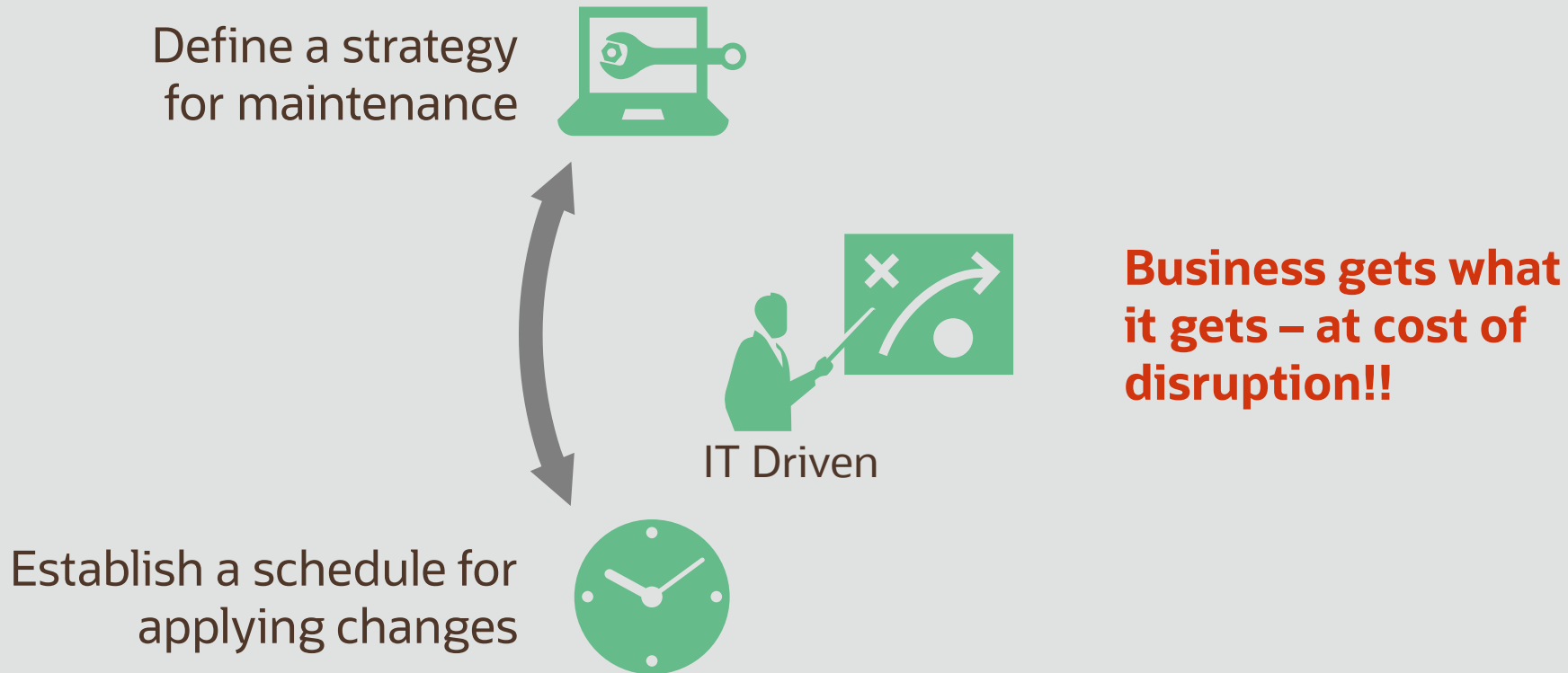
Competition

Rapid Time to Market, Customer Centric, Digitally Enabled, Non-traditional, Progressive, Rule Breakers, First Mover

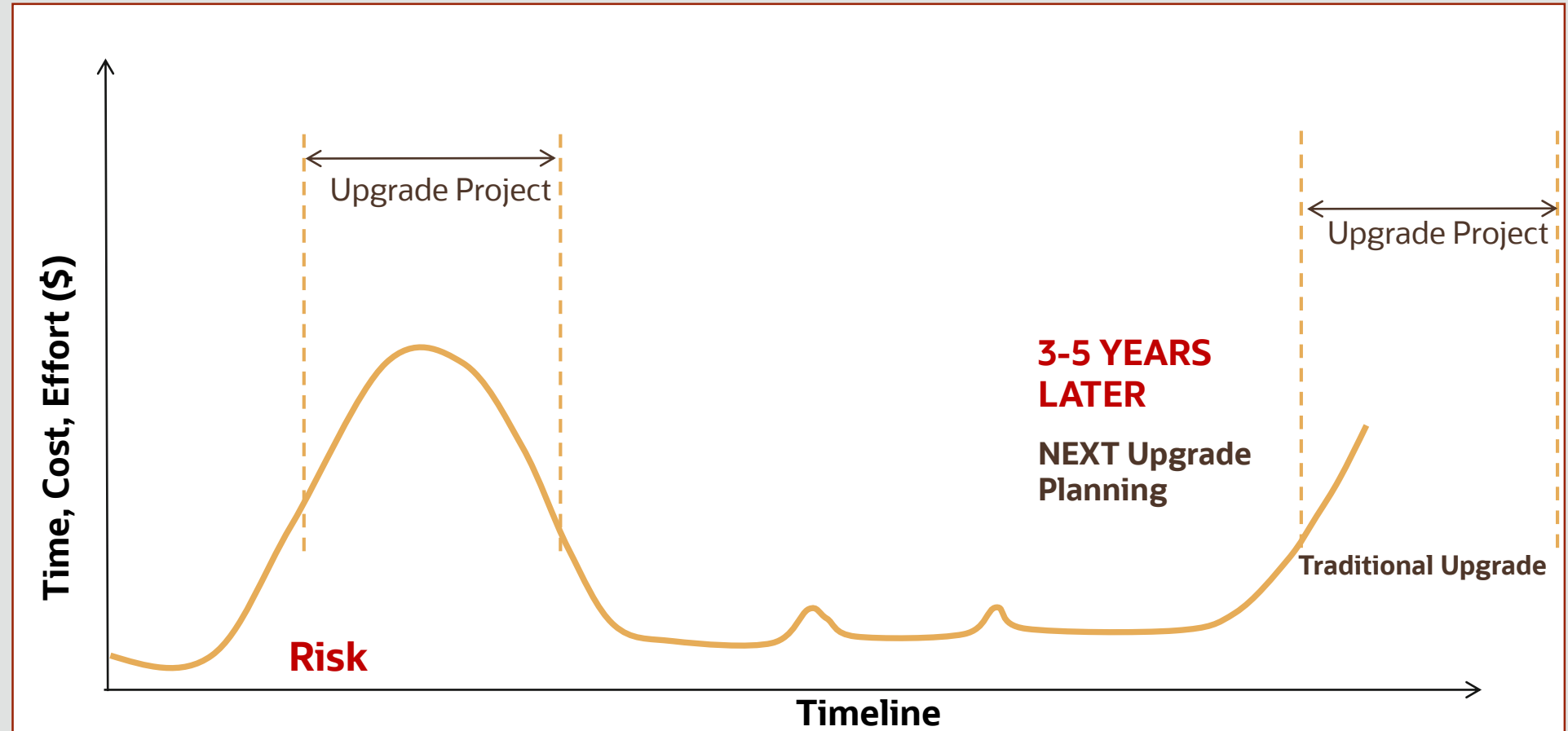# Continuous Adoption: IT and Business Collaboration
Traditional Approach

Define a strategy
for maintenance

**Business gets what
it gets – at cost of
disruption!!**

IT Driven

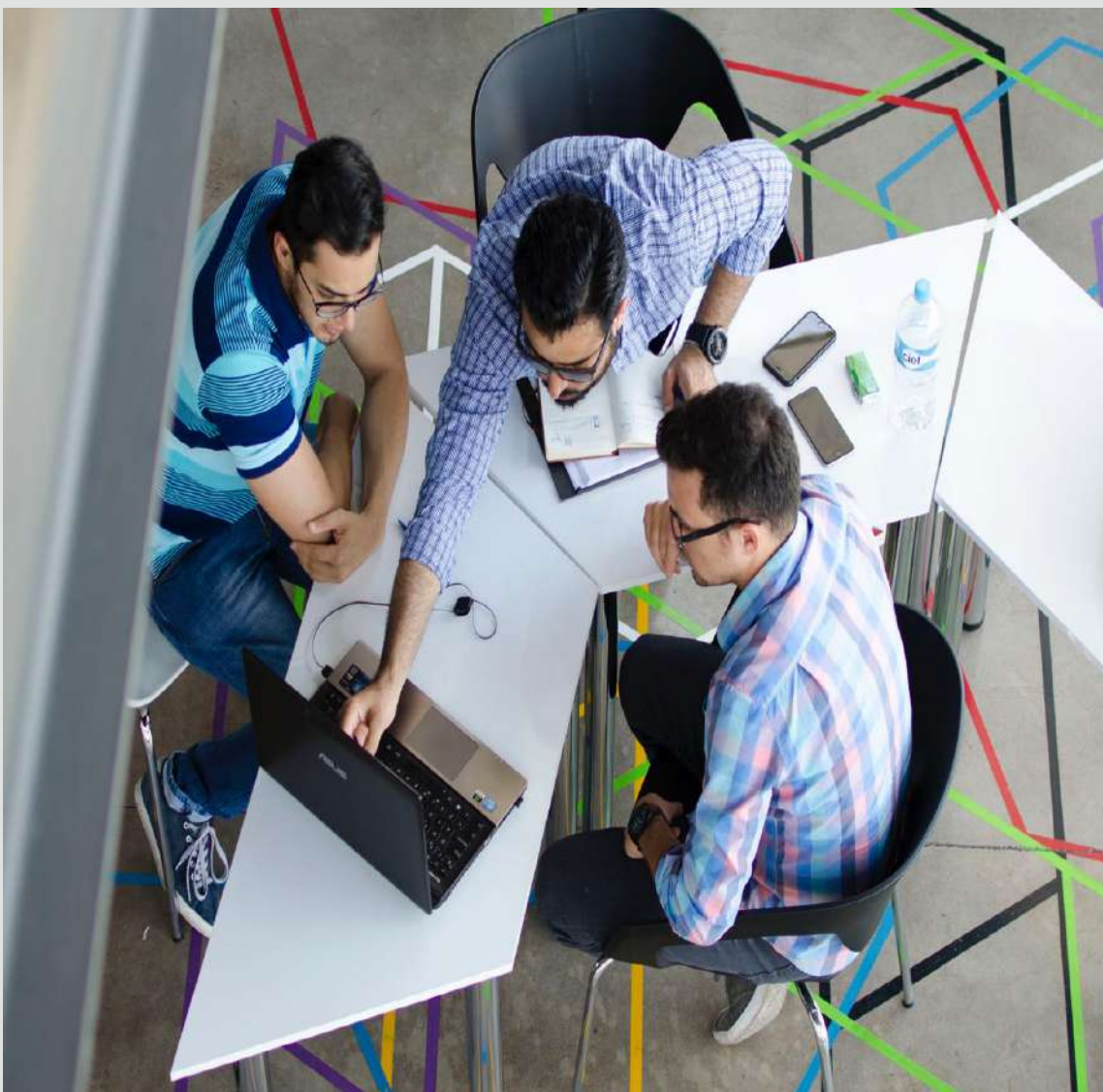Establish a schedule for
applying changes

Legacy Upgrade Model

Why

- Current upgrade process not adding value when the business demands

- Can't quickly adapt to market changes

- Building technical "debt"

- Risk profile grows exponentially over time

Upgrade Project

Upgrade Project

3-5 YEARS LATER

NEXT Upgrade Planning

Traditional Upgrade

Risk

Time, Cost, Effort ($)

Timeline

The Paradigm Shift
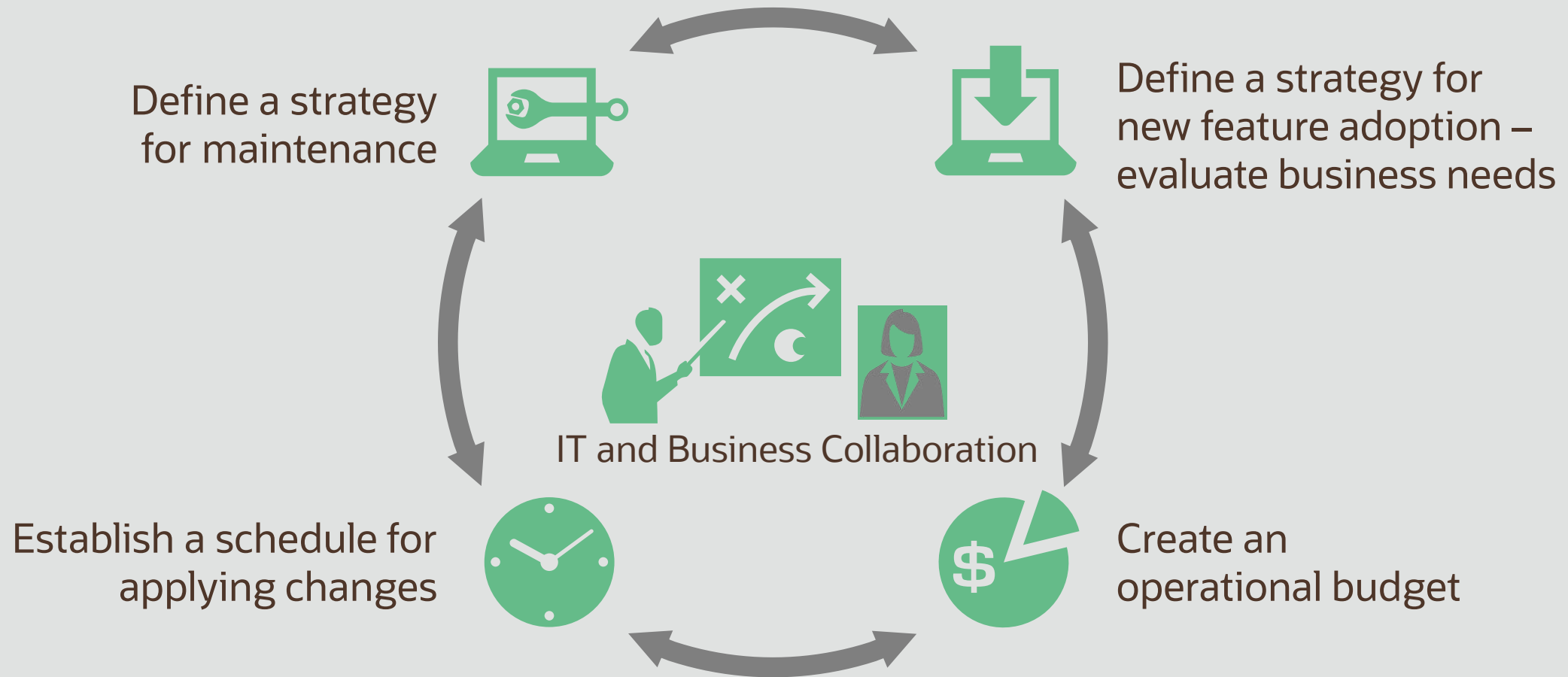
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Agile Mindset of Business and IT Leaders

Oracle JD Edwards 9.2 is a modern, dynamic, digital platform, that enables business process automation, personalization, cutting edge cloud and database technology and creates a competitive advantage for businesses. This is no longer just the backend system of years past.

Transform your business with collaboration of IT and Business Leaders!

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Continuous Adoption: IT and Business Collaboration

Business Transformation

Define a strategy for maintenance

Define a strategy for new feature adoption – evaluate business needs

IT and Business Collaboration

Establish a schedule for applying changes

Create an operational budget
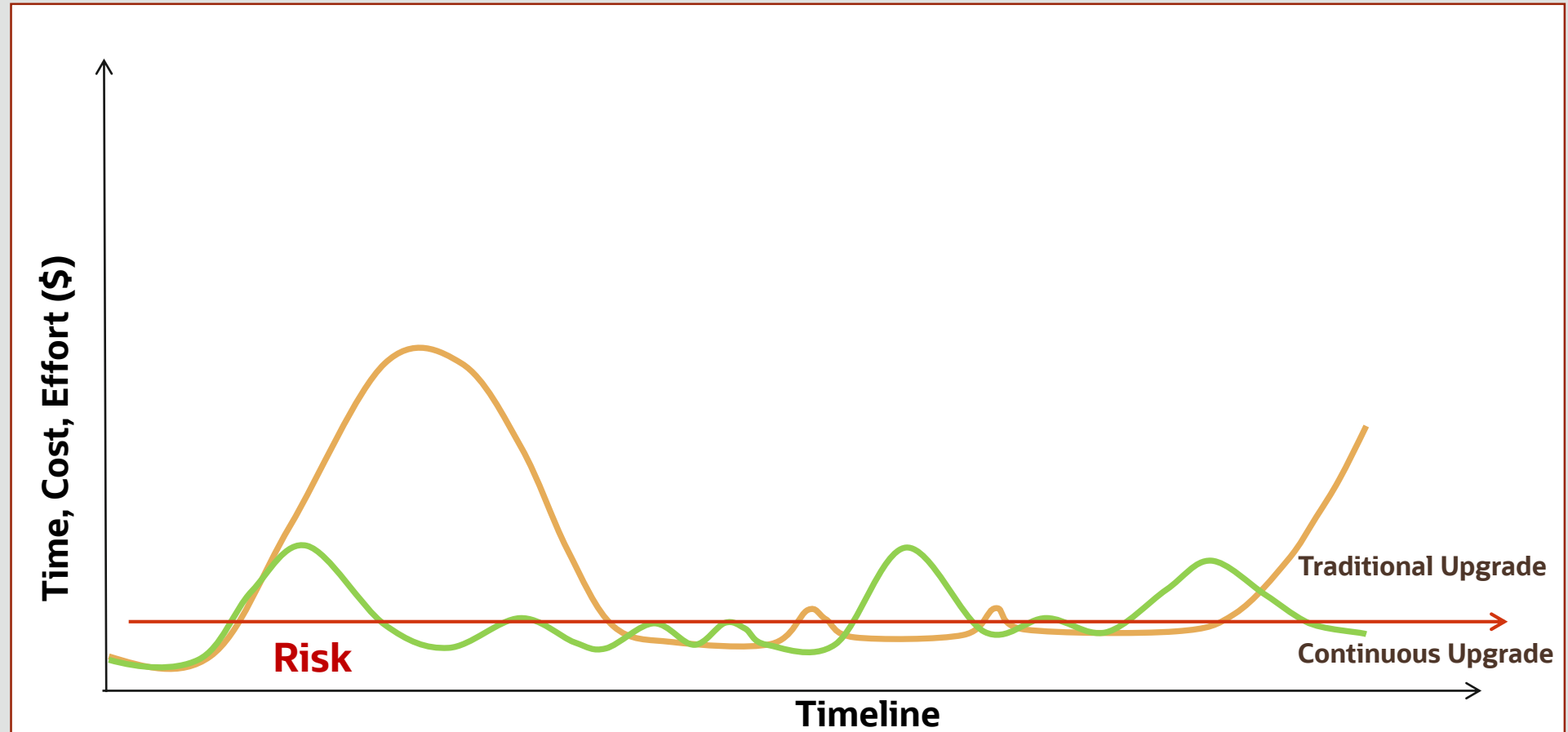
Upgrade to EnterpriseOne 9.2 and Innovate

- **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

JD Edwards Digital Platform

Continuous Product Innovation

Rapid Adoption to meet Business Requirements

Reduced Security Risk and Improved Compliance

Continuous Innovation Model

Why

- Organization reacts to market changes when needed
- Quicker Return on Investment
- Avoids technical "debt" and security risks
- Continuous adoption increases the value of JD Edwards

Continuous Adoption: IT and Business Collaboration

Making it Happen!

1 **Consider Business Process Standardization**
Do our processes really need to be different than base functionality? Network with customers, approval process for customization

2 **Continuous Education of JDE Features**
LearnJDE, Product Catalog, Oracle by Example, Social Media Communications

3 **Educate and Collaborate with Stakeholders on Digital Platform Capabilities**
Understand orchestrator automation and UX personalization capabilities

4 **Start Small, Adapt, Evolve**
Solve a business challenge, work through the process, show positive business results, demonstrate what is possible, generate user excitement

5 **Implement a Test Automation Strategy**
See best of breed tools, invest now to reduce risk and expense as you move forward – one time cost versus ongoing cost

6 **Remove Customizations – Get to Vanilla**
Automate processes and replace custom BSFNs with Orchestrations, Replace UX custom with Personalizations, reduce ongoing retrofit burden where possible

The Continuous Innovation Partnership

Continuous Delivery – The agile delivery model that provides incremental quarterly innovations to the JD Edwards application and releases on the most current code-line.

Continuous Adoption – The regular cadence established by customers and partners to consume the innovations being delivered to quickly realize business benefits and transform your digital business.

Global Upgrade to 9.2 in 6 Months

Single Instance of EnterpriseOne 9.2 with Multiple Time Zones and Languages

Edwards Lifesciences
Irvine, CA ● United States

➢ 9.0 to 9.2 upgrade

➢ Used Simplified Upgrade

➢ 3,500 users and 7 manufacturing locations globally

➢ Implemented Lease Management

➢ Exploring E1 pages

➢ Researching One View Reporting

➢ Implementing Mobility

Roy Jorgensen Associates

Eliminating Mods for Continuous Adoption of 9.2 Features

Key Drivers:

- Reduce customizations

- Access to all the latest fixes

- Take advantage of new 9.2 features

Solution & Results:

- New paradigm – no customizations

- Customization Object Analyzer used to research customizations

- UX One and Personalization framework used to eliminate final modifications

- Incremental updates annually to the applications in production

- Reduced risk of potential disruption from a future major upgrade

JORGENSEN

Program Agenda

1 ▶ Continuous Delivery and Adoption Considerations

2 ▶ Oracle JD Edwards Investments in Continuous Delivery

Digital Transformation

ERP Modernization

User Experience

Operational Simplification

Practical Implementation

- **Move and Improve to OCI**
- **Apps 9.2.4 Tools 9.2.4**
- **(CODE CURRENT)**

UPGRADE

Digital
Transformation

Orchestrating Digital Success

- Rapid Process automation
- Create New UI with 6000+ JDE apps as a service
- Real-time machine to machine data
- Cloud/Third Party Integrations
- Emerging technologies

Continuous Adoption Strategy Facilitates Real-Time Notification of Key Business Events

The Value:

- Accelerate business process cycles

- Ease burden on employees

- Improve customer service

- Mitigate issues before they escalate

Customer Use Case:

- **Industrial Manufacturer** Leverages Notifications in Customer Service and Accounts Receivable.

- Real time awareness of tasks that need to be acted upon for Customer Service and Accounts Receivable Managers.

- Alerts provided on landing pages ensure timely action on critical tasks.

Continuous Delivery of JDE Orchestrator Enables Process Automation of Routine Business Activities

The Value:

- Keep JDE and non-JDE application data in sync near real time

- Reduce integration costs

- Standards based to easily fit into your IT infrastructure

- Agility to quickly respond to business needs

Customer Use Case:

- **Equipment Leasing Company** integrates and automates JDE 9.2 FMS, Job Cost and WMS with Cloud CPQ, CX, IDCS and ATG.

- Reduce integration costs with standards based architecture.

- Automated 20-step quote to job process, "Magic Button".

- Real Time data visibility.

- Data Entry reduced from 60 hours to seconds.

Orchestrator and Notifications

Continuous Delivery of Feature Rich Innovations

2015	2016	2017	2018		2019

2015
- Form service
- Rules
- White list
- Cross-reference
- Custom Java

2016
- Studio
- Studio home page
- Transformations
- Where used
- Import/Export
- Orchestration UDOs

2017
- Studio 6.0.2
- Data service
- AIS Version 2
- Output format
- Message service
- Outbound REST
- Groovy
- Nested orchestrations
- OAuth 2.0
- Iterate over steps
- Database connector
- Watch List as a step
- Notifications

2018
- Studio 6.1.0
- Process Recorder
- Report as a Step
- File Transfer
- Confirmed Completions
- Studio Enhancements
- Resilient Scheduler
- Assigned Subscriptions

- Real Time Orchestrations
- Message Center
- Orchestrator Monitoring
- Health Monitor
- Error Handling
- Input from CSV

2019
- Support for the OpenAPI specification
- Enhanced control of orchestration output
- Support for XML input and output
- Required inputs for orchestrations
- Paging for high-volume data

Practical Implementation

- Move and Improve to OCI
- Apps 9.2.4
  Tools 9.2.4
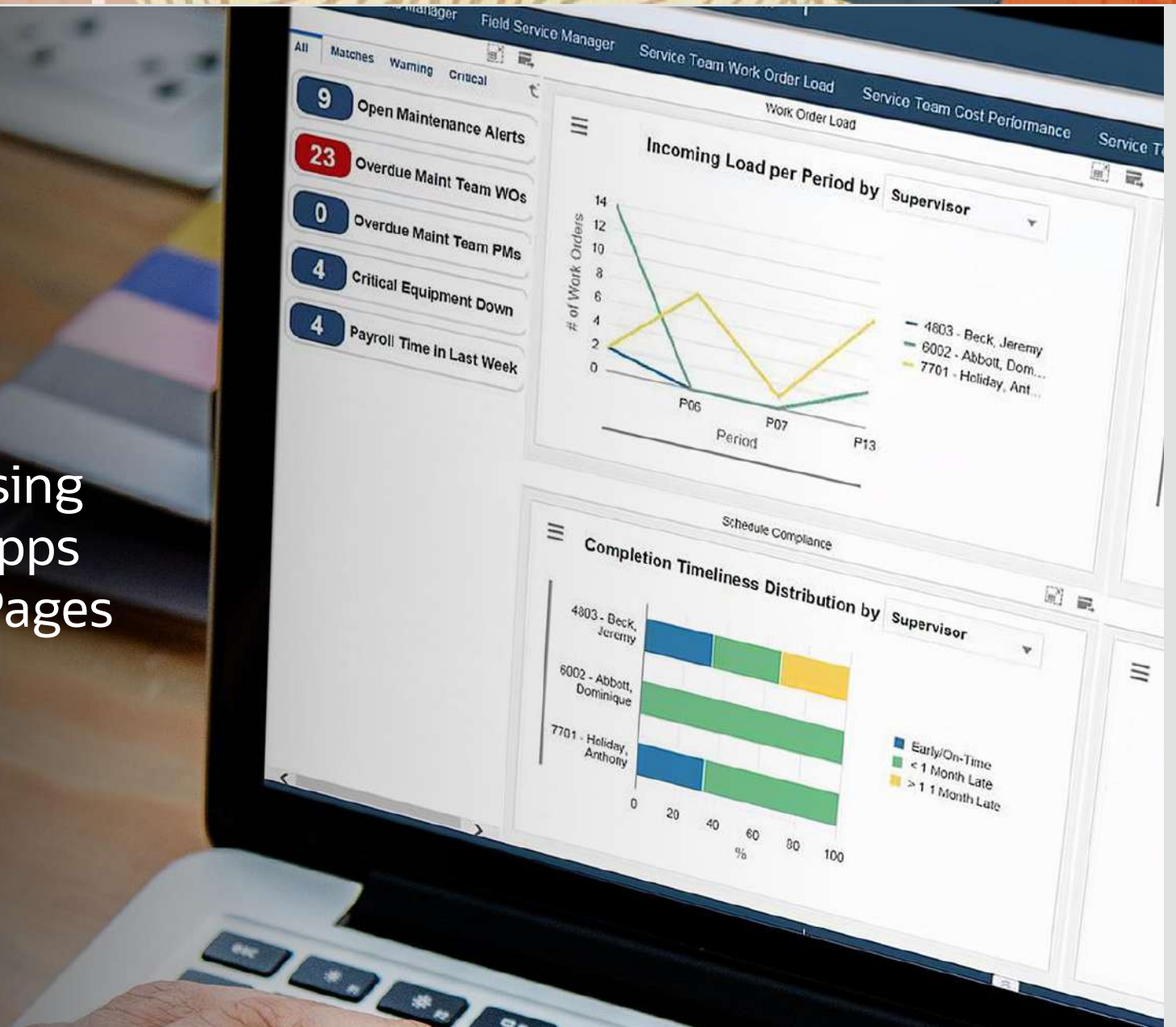- (CODE CURRENT)

Leverage Notifications

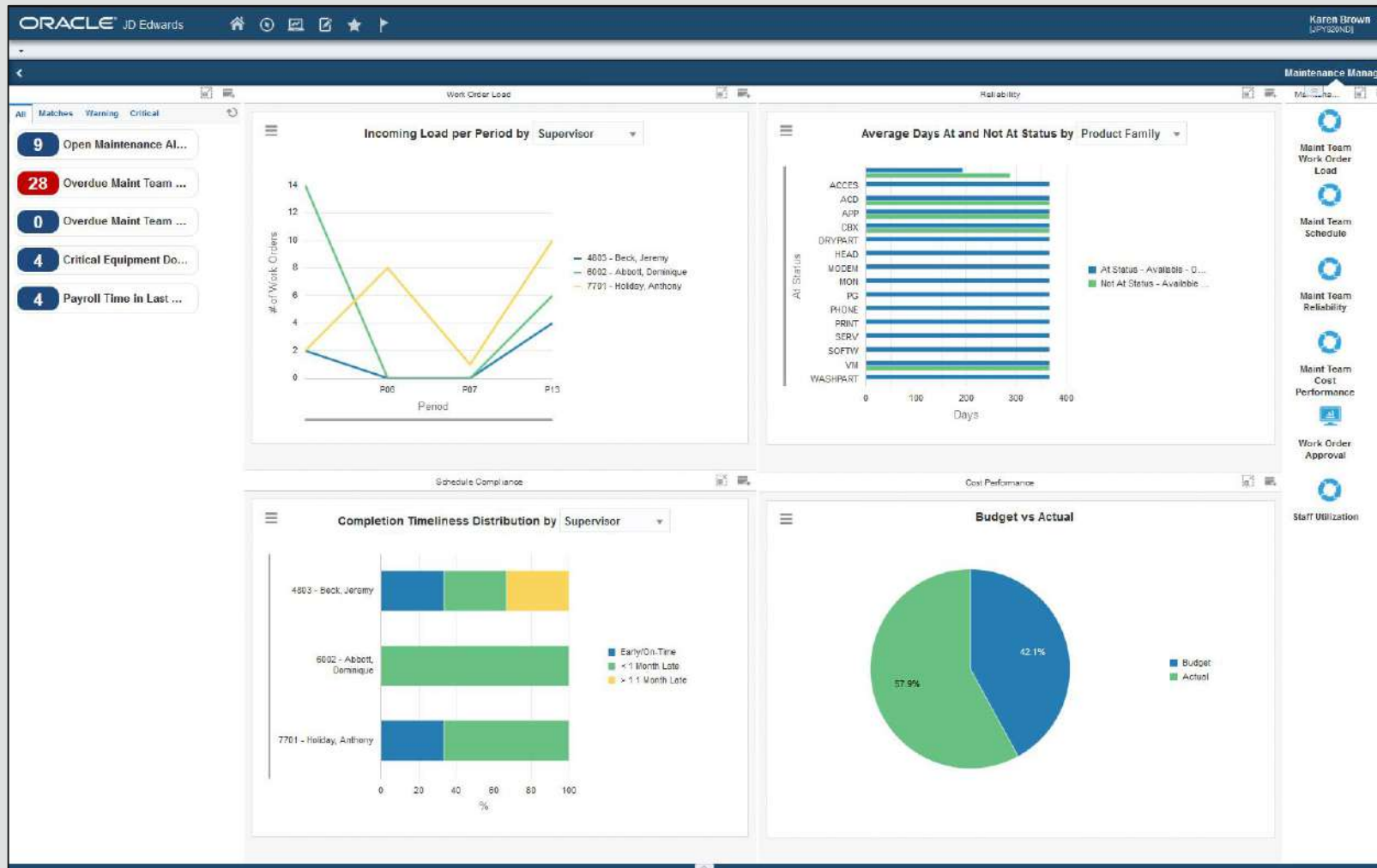**Use Orchestrator to replace a legacy integration**

UPGRADE

UX One enables Digital decisions

- Personalize Applications
- Alert, Analyze, Act
- Exception Based Processing
- Drill Down to Relevant Apps
- 52 Role Based Landing Pages

JD Edwards UX One – Maintenance Manager
Improve Equipment Maintenance Through Greater Visibility

- Optimize maintenance with greater visibility of your workload and staff utilization.

- Increase equipment reliability by knowing what equipment needs to be proactively maintained.

- Reduce your maintenance costs by understanding and managing your variances.

JDE and Mobile

Apps at Your Business Process

Digital Platform Uptake by Applications

2017	2018	2019

2017

- UX One: Role-Based Solutions for:
  - Financial Management
  - Order Management & Advanced Pricing
  - Procurement & Subcontract Management
  - Inventory Management
  - Project Management
  - Capital Asset Management
  - Service Management
  - Transportation Management
  - Warehouse Management
  - Requisition Self-Service
  - Real Estate Management
  - Homebuilder Management
  - Grower Management
  - Rental Management
- Orchestrations for CAM

2018

- Additional UX One Roles
- Oracle Content and Experience Cloud Service for JD Edwards
- One View Reporting for Outbound Inventory Management
- UX One Navigation and Context Menus
- Drag and Drop Rescheduling
- Business Process Models

2019

- Orchestrations for Procure-to-Pay Process
- Pre-Configured Notifications for:
  - Financial Management
  - Order Management
  - Procurement & Subcontract Management
  - Manufacturing Management
  - Transportation Management
  - Requisition Self-Service
  - Real Estate Management
  - Grower Management
  - Capital Asset Management
  - Change Management
  - Condition-Based Maintenance
  - Grower Pricing and Payments
  - Job Cost
  - Service Management

Practical Implementation

- **Move and Improve to OCI**
- **Apps 9.2.4 Tools 9.2.4**
- **(CODE CURRENT)**

Leverage Notifications

Use Orchestrator to replace a legacy integration

UPGRADE

- UX One (FIN)
- Mobile Apps (FIN)

- **UX One (SCM)**
- **Mobile Apps (SCM)**
- **PO Entry (Extensibility)**

Lease Accounting For Lessors and Lessees
Meeting Your Global Lease Accounting Requirements - FASB ASC 842 & IFRS 16

Key Features

- ✓ Lessee accounting for property and non-property leases
- ✓ Lease terms change management
- ✓ Simplified lease management

- ✓ Lessor accounting (FASB 13) for property leases - straight line rent
- ✓ Revenue recognition for lease management companies

Lessee Accounting

Establish Lease → Create Leased Assets → Amortization Schedules → Lease Commencement Transactions → Monthly Transactions

JD Edwards EnterpriseOne 9.1 & 9.2

Financial Management Product Improvements

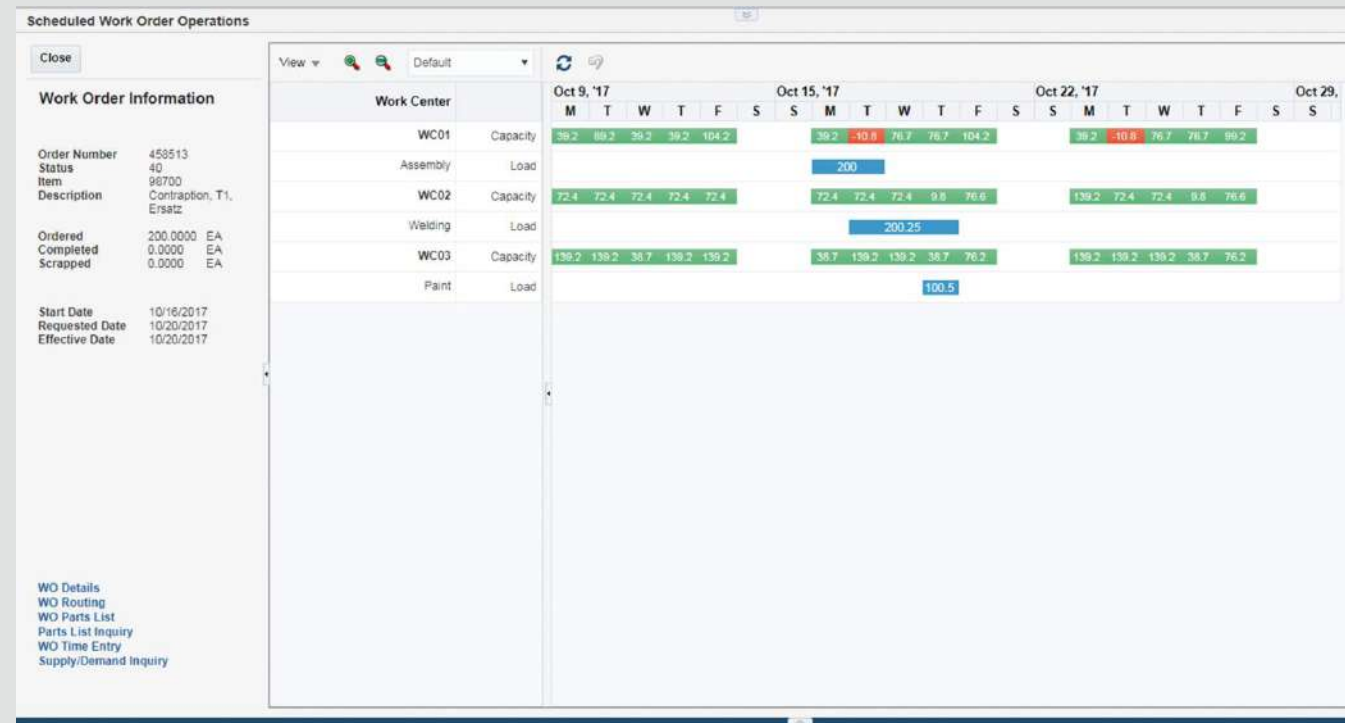| 2017	2018	2019
• UX One Role Based Content • UX One Navigation and Context Menus • Revenue Recognition • Revenue Recognition for Real Estate Management • Address Duplication Prevention • Alternate Language for Address Book and Payment Terms • Address Book Legal Entity • Expense Entry Improvements • Joint Venture Management - Percentage of Ownership and Distributions • Lessor Accounting	• Lessee Accounting for Property • Importing Lease Data • Lessee Accounting for Non-Property • Payment Control Group Report Improvements • Joint Venture Management - Overhead • Joint Venture Management - Billing • Joint Venture Management - Hierarchy • Lease Term Changes Leases • Lease Entry Simplification • Pre-Configured Notifications	• Calculating Discounts on Credit Vouchers • Invoice Print Report Improvements • Pay Status Code for Zero Amt Pay Items • Configurability of Delinquency Notices • JVM - Advanced Variable Numerator Allocations • Voucher Withholding Tax Flexibility • Restrict Payments to Posted Vouchers • Cash Calls for Joint Ventures • Lessee Accounting for Multi-Currency Leases • Lease Early Termination Improvements

Visual Work Order Scheduling

- Access new app from the Work Center Load Review Calendar, Dispatch List, Shop Floor Workbench, or as a Café One pane
- Gantt style display of work order operations along with work center capacity – over capacity conditions displayed in red
- Drag and Drop any operation to automatically update the work order requested date, all operations, and parts list
- Reset button to return work order to original state
- Convenient exits to work order and work center related applications

Manufacturing and Distribution Product Improvements

2017	2018	2019
• UX One Role Based Content • UX One Navigation & Context Menus • Outbound Inventory Management • One View Reporting for Outbound Inventory Management • Sales Order Guides • Sales Order Lines In-Transit Accounting • Refresh Inventory Commitments • Blend Barrel Import • Operations create inventory commitments • Automatic Parts List and Routing Attachment • Global Order Promising Integration • Basket Pricing for Procurement • Drag and Drop Rescheduling	• Batch Load Confirm Supported in R49500 • Manufacturing Accounting Decimal Precision • Automatically Return Pick Date • Print Pick Slips by Requested Date • Record Reservation - Print Delivery Notes • Sales Proposal Generation Simplification • Voucher Match Web Service Tax Improvements • Soft Rounding of Taxes in Voucher Match • Orchestrations for Procure-to-Pay Process • Pre-Configured Notifications	• Activity Rules for Manufacturing Work Orders • View of Bill of Material Changes • Copy Bill of Material Functionality

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User Defined Data for Health & Safety Incident Management
Data Extensibility Using Flexible Fields!

Providing users a way to define and capture additional information related to a health and safety incident, for:

- ✓ Safety Inspections
- ✓ Safety Audits
- ✓ Risk Assessments (Root Cause Analysis)
- ✓ Witness Statements
- ✓ Safety Observation Checklists
- ✓ . . .

Define, collect, personalize, and search & report on the user defined data. Limited only by your imagination!

Risk Assessment example (root cause analysis) using User Defined Data with Form Personalization

Asset Lifecycle Management & Projects & Services Product Improvements

2017

- UX One Role Based Content
- UX One Navigation and Context Menus
- Default for Responsible Business Unit
- Customer and Site Search Option
- Category Codes in Job Cost Original Budget Entry
- PM Schedule Copy Usability
- CAM Usability Improvements
- Void Invoice Lines for Prepaid Rent
- Service Usability Improvements
- PM Schedule Copy Usability
- Search Fields in Contract Master
- Owner Address Search in Job Master
- Orchestrations for Capital Asset Management
- Print Incident Report
- Incident Entry - YTD Count Improvements
- Incident Entry - Usability Improvements
- Speed Incident - Usability Improvements
- Incident Entry and Speed Incident Entry - Simplification

2018

- Simplified Work Order Detail Copy and Labor Parts Visibility for CAM and Service
- PM Schedule - Routes and Associations Visibility for CAM and Service
- Pre-Configured Notifications
- Task Detail Form
- Health and Safety User Defined Data

2019

- Remove IGS from Release 9.2

HCM Configurability

Social Security Number Data Protection: Configu[...]s
- Mask as a default for protection
- Configure access for HR professionals whose ro[...]it

Flexibility in populating 'Effective On' date
- What is the 'Effective On' date based on for an employee who was rehired? For an employee who returns from an extended leave? For an employee who is on boarded from an acquisition?
- Choose between system date and employee date started

Human Capital Management Product Improvements

2017

- UX One Role Based Content
- UX One Navigation and Context Menus
- Delete Job/Pay History from Employee History
- Update date in current job - mass updates
- ACH Deposit flexibility
- Time card explanation improvements

2018

- Benefits Preview
- Manager Change for Time Card Approval
- PDBA Rollover Flexibility
- Open Enrollment Improvements
- PDBA Filter and Search
- Allow Employee Level Tax Exemption
- DBA and DBA Detail Review Improvements
- Flexibility in Discretionary Withholding
- Pre-Configured Notifications

2019

- Delegation of Leave Request Approval
- Simplified Leave Request Review & Approval
- Manager Review and Approval Grid Sort
- Missing Timecards Grid Sort
- Daily Time Entry Manager Review and Approval Usability
- Reset a Single Payment for a Payroll Run
- Payroll Gross to Net Process Improvement
- Corporate Tax ID Integrity
- View Full Social Security Number in Employee Master
- Flexibility in Quick Hire

EMEA Localization Product Improvements

2017	2018	2019

2017
- Italy: Business-to-business (B2B) electronic invoice
- Poland: Unified Audit File
- France: Business-to-government electronic invoice
- UK - Construction Industry Scheme
- EU - CGI Format
- Poland - 2017 JPK Updates to Sales and Purchases VAT Registers
- Portugal SAFT Layout Changes
- Italy Electronic Invoice Listing
- Spain Online VAT (SII) - Intra Community
- Spain Online VAT (SII) - Received Invoices

2018
- Poland JPK Purchase and Sales VAT Register Updates
- Poland Split VAT
- Spain SII VAT Annual Tributary
- Spain Online VAT (SII) - Investment Goods
- Spain SII XML for First Semester of 2017
- EU - Batch Booking Processing for SEPA Direct Debit
- EU - SAF-T Generic Reporting for European Union Countries
- EU - SEPA XML Credit Transfer
- Germany - Deferred Invoice and VAT
- Hungary - Real-Time Data
- Italy - Business to Business (B2B) Electronic Invoicing
- Portugal - Legal Number Requirement
- Swiss - ESR Payments XML Upload

2019
- EU - Customer/Supplier Balance Report Updates
- EU - eInvoicing for Receivables (B2G)
- Portugal - Spares Consumption Data Section 4.3 - SAFT
- Spain - Issued Invoiced Register Updates
- Spain - Received Invoice Register Updates
- EU - eInvoice for Accounts Receivable - XML Response Consumption
- EU - Customer/Supplier Balance Report Updates
- Poland - JPK Audit File Modifications 2019

Practical Implementation

Upgrade:
Move and Improve
to OCI
Apps 9.2.4
Tools 9.2.4
(CODE CURRENT)

Lease Accounting

Activity Rules for
Manufacturing
Work Orders

Leverage
Notifications

- Year end updates
- Legislative -
  Regulatory
  features

UX One (FIN)
Mobile Apps
(FIN)

UX One (SCM)
Mobile Apps (SCM)
PO Entry (Extensibility)

- Use Orchestrator to
  replace a legacy
  integration

LATAM Localization Product Improvements

2017

- Colombia: Additional tax and withholding rates for Accounts Payable and Purchasing
- Brazil: DANFE format update
- Mexico: Enhancements for mixed currency processing
- Brazil - NFe Email Response
- Brazil - BSSV to Provide Static URL
- Brazil SPED Layout 5
- Brazil NFE XML Layout 4.0 Update
- Peru General Ledger Book 6.1
- Peru Daily Book 5.1
- Peru Purchase Book 8.1 and 8.2
- Peru Sales Book 14.1

2018

- Argentina Replace PROV0517
- Brazil Correction Letter (CC-E)
- Brazil NFE XML 4.0 Groups I and K
- Brazil Nota Fiscal – Digital Signature in XML file
- Mexico Electronic Accounting Update Version 1.3 – Polizas
- Brazil - Nota Fiscal Technical Note 2016_002 V1.50 and End Consumer Nota Fiscal
- Brazil - PIS-COFINS Taxes Booked to Different Accounts
- Brazil - Technical Note - NT2016_1.30 and NT2016_1.41 and NT2016_1.42
- Brazil - Updated XML Tags for Outbound Nota Fiscal

2019

- Argentina - General Resolution AFIP 4290/2018
- Brazil - NFe 4.0 ICMS-ST Update
- Brazil - Nota Fiscal Technical Note 2016_002 v1.60
- Argentina - General Resolution AFIP 4245/2018
- Brazil - Annex IV of the Registered Nota Fiscal Information

APAC Localization Product Improvements

2017	2018	2019
• India - GST Setup Applications • India-GST Transaction Processing and Reporting – Foundation • India GST Transaction Processing and Reporting	• India GST Release 5 • India GST Release 6 - Phase 1 • India GST Release 6 - Phase 2 • India E-Way • India - GST Transaction Processing and Reporting - Release 7	• India - Place of Supply - SCST+CGST Instead of IGST • India - GST Electronic Tax Invoice Reference Number • Japan - Emperor New Era Name • Taiwan - e-GUI (Government Uniform Invoice) 2020

US, Canada, & Australia Legislative Product Improvements

2017	2018	2019

2017
- US Affordable Care Act Year-End Processing
- US Year-End 1099 Processing
- US and Canada Payroll Year-End Processing
- Payment Transparency
- OSHA regulatory reporting compliance
- EEO-4 Annual Report
- Australia/New Zealand Year-End

2018
- Health & Safety Management and Human Capital Management
  - Electronic submission of OSHA 300A Log
  - OSHA Reporting of Serious/Fatal Injuries
- Paid Sick Time Compliance
- Lock-in Letter Compliance
- Australia Payroll - Single Touch Payroll
- US Payroll - 2018 W4 Updates

2019
- Country Codes Update to ISO Standards
- Currency Codes Update to ISO Standards
- US Year-End 1099 Processing
- U.S. Payroll Year End 2018 (W2, EFW2, 1099)
- Canada Year End 2018 (T4, T4A, NR4, RL-1, RL-2)
- Changes and Corrections to Pennsylvania School District Codes
- US Equal Employment Opportunity (EEO-1) Updates for 2019
- Australian Tax Authority Updates for 2019-2020 Tax Year

Practical Implementation

Activity Rules for Manufacturing Work Orders

- Move and Improve to OCI
- Apps 9.2.4 Tools 9.2.4
- (CODE CURRENT)

Leverage Notifications

Use Orchestrator to replace a legacy integration

UPGRADE

Lease Accounting

- UX One (FIN)
- Mobile Apps (FIN)

- UX One (SCM)
- Mobile Apps (SCM)
- PO Entry (Extensibility)

- **Year end updates**
- **Legislative - Regulatory features**

To the Cloud

Extend JD Edwards with Oracle SaaS

- Leverage best in class SaaS applications
- Extend your business process beyond core JD Edwards
- Your Journey to the Cloud with Hybrid cloud solutions

CX	ERP	EPM	SCM	HCM
CRM CPQ Service	Accounting Hub Project Portfolio Management Procurement Purchasing for Indirect Procurement	Enterprise Planning and Budgeting Enterprise Performance Reporting Financial Consolidation and Close	In-Memory Cost Mgmt Transportation Management Global Trade Management Supply Chain Planning	Global Human Resources Recruiting Learning

Practical Implementation

Activity Rules for
Manufacturing Work
Orders

Cloud EPM

Leverage
Notifications

Use Orchestrator to
replace a legacy
integration

- Move and Improve to
OCI
- Apps 9.2.4
Tools 9.2.4
- (CODE CURRENT)

UPGRADE

Lease
Accounting

- UX One (SCM)
- Mobile Apps (SCM)
- PO Entry
(Extensibility)

- Year end updates
- Legislative - Regulatory
features

- UX One (FIN)
- Mobile Apps (FIN)

Retire a customization
with personalization
framework

Continue to Innovate

Practical Implementation

Activity Rules for Manufacturing Work Orders

- Apps 9.2.x
  Tools 9.2.z
- (CODE CURRENT)
- Technology Stack Update
- Use Orchestrator and UX One automate a key process.

- Move and Improve to OCI
- Apps 9.2.4
  Tools 9.2.4
- (CODE CURRENT)

Cloud EPM

Leverage Notifications

Use Orchestrator to replace a legacy integration

UPGRADE

Lease Accounting

CUM UPDATE

- UX One (SCM)
- Mobile Apps (SCM)
- PO Entry (Extensibility)

- UX One (FIN)
- Mobile Apps (FIN)

Retire a customization with personalization framework

- Year end updates
- Legislative - Regulatory features

Practical Implementation

Activity Rules for Manufacturing Work Orders

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Cloud EPM

Leverage Notifications

Use Orchestrator to replace a legacy integration

- Apps 9.2.x Tools 9.2.z
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- Technology Stack Update
- Use Orchestrator and UX One automate a key process.

Status Activity Rules for Manufacturing Work Orders

UPGRADE

Lease Accounting

- UX One (FIN)
- Mobile Apps (FIN)

Retire a customization with personalization framework

- UX One (SCM)
- Mobile Apps (SCM)
- PO Entry (Extensibility)

RPA

CUM UPDATE

CPQ CLOUD

- Year end updates
- Legislative - Regulatory features

Engage with us!

Share Success and Wins!!!

Thank You