JD Edwards Update

Investment Strategy, Roadmap & Continuous Innovation

Robert Monahan
Vice President, JD Edwards Product Management

Paul Houtkooper
Senior Director, Product Development

November 16, 2017

Copyright © 2017, Oracle and/or its affiliates. All rights reserved. |

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, and timing of any features or functionality described for Oracle's products remains at the sole discretion of Oracle.

Copyright © 2017, Oracle and/or its affiliates. All rights reserved. |

Program Agenda

1. Support Timelines, Continuous Innovation, Roadmap Overview
2. Investment Strategy
3. Recent Innovations & Roadmap Details
4. JD Edwards & Cloud
5. JD Edwards Resources

Copyright © 2017, Oracle and/or its affiliates. All rights reserved.

JD Edwards Support Timelines, Continuous Innovation and Roadmap Overview

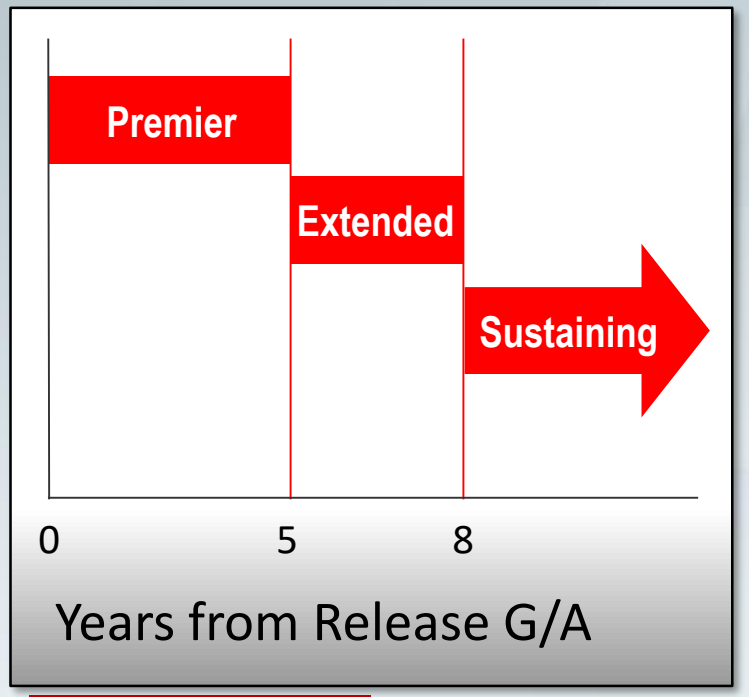
ORACLE

Copyright © 2017, Oracle and/or its affiliates. All rights reserved.

Your Confidence in our Commitment

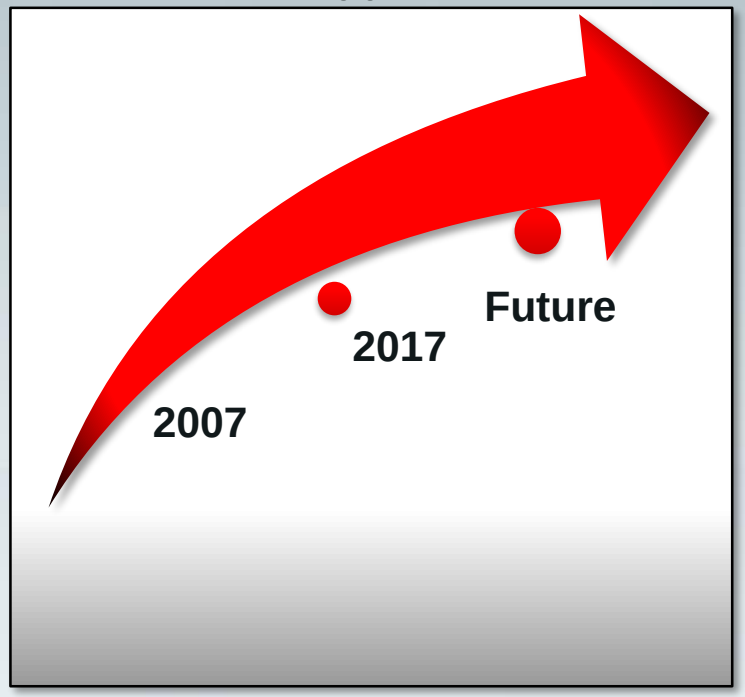
Lifetime Support

The most comprehensive support policy available.



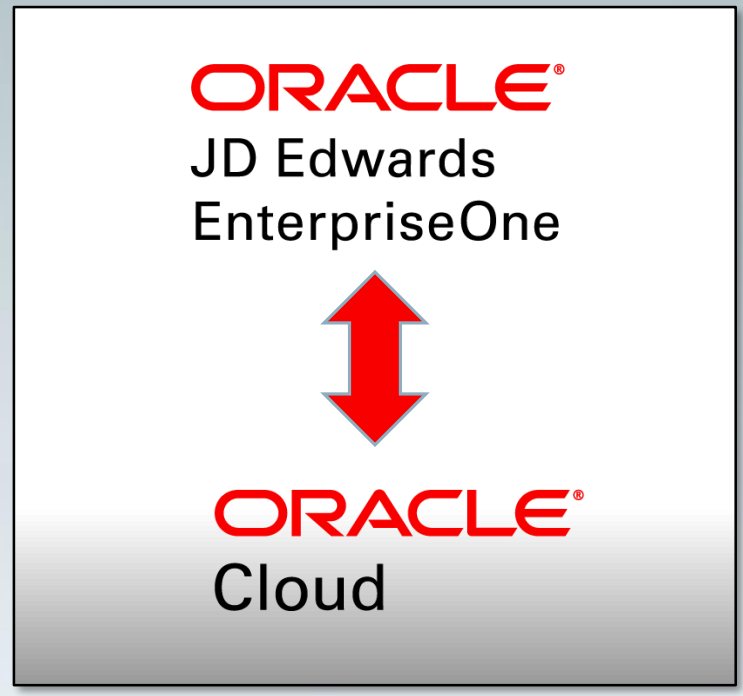
Applications Unlimited

Commitment to ongoing enhancements and support of Oracle Applications.



Coexistence

Apps designed to add value and to work with existing investments.



ORACLE

Copyright © 2017, Oracle and/or its affiliates. All rights reserved.

EnterpriseOne Support Timeline

Recently announced for EnterpriseOne 9.2

2028

10 + 3 Years

Copyright © 2017, Oracle and/or its affiliates. All rights reserved.

World Support Timeline

Recently announced for World A9.4

2025

7 + 3 Years

Copyright © 2017, Oracle and/or its affiliates. All rights reserved.

Planned

JD Edwards EnterpriseOne Product Roadmap

The above 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 and timing of any features or functionality described for Oracle's products remains at the sole discretion of Oracle.

Copyright © 2017, Oracle and/or its affiliates. All rights reserved.

As of November 7, 2017

JD Edwards EnterpriseOne Releases

2016 Feature Highlights – 8 Releases since 9.2 Code Line General Availability

Applications and Tools 9.2
October 2015

Feb 2016

- IoT Studio
- Page Composer
- REST Data Access
- Customization Workbench
- Affordable Care Act
- New World to EnterpriseOne Migration

Apr 2016

- JDE Trial Edition on Oracle Public Cloud
- Health & Safety Task Management
- Outbound Inventory Management
- Global Revenue Recognition
- Mobile Customization and Extension

Jul 2016

- JDE Multi Tier for Oracle Public Cloud
- Data Base Cloud Service
- Mobile Cloud Service
- JDE Integration Cloud Service Adapter
- Mobile Expense Receipt Matching
- List View Grid

Nov 2016

- UX One Foundation
- UX One Roles (32)
- Mobile Barcode Scanning
- Mobile Proximity Search
- EnterpriseOne Search
- Sales Order Entry Guide
- Form Personalization
- Attachment Manager
- Objects in Database

Platform Certifications, Security, Legislative & Regulatory Enhancements

Visit LearnJDE.com for details

ORACLE

Copyright © 2017, Oracle and/or its affiliates. All rights reserved.

JD Edwards EnterpriseOne Releases

2017 Feature Highlights – 8 Releases since 9.2 Code Line General Availability

Applications and Tools 9.2
October 2015

Feb 2017

- One-Click Provisioning
- UX One Roles (+6)
- Maps and Gantt Charts with ADF
- Sales Order Lines in Transit
- Service Management Usability

Apr 2017

- Clustering & Scalability for Oracle Public Cloud
- Object Usage Tracker
- Revenue Recognition for Real Estate
- Enterprise Search 2.0
- Simplified Orchestrated Transactions
- Attachment Preview and Search
- Social Conversations within EnterpriseOne

Jul 2017

- Tools 9.2.1.4
- EnterpriseOne Orchestrator Licensing
- Media Object Storage
- Batch Load Confirm
- UX One Analytic Components
- Enhanced Enterprise Search
- Service Management UI
- Capital Asset Management UI

Oct 2017

- Tools 9.2.2
- UX One Analytics
- Mobile Time Entry
- EnterpriseOne Manufacturing Execution
- Grower Blend Inventory Commitments
- Straight Line Rent Accounting
- Address Book Alternate Language
- Joint Venture Management

Platform Certifications, Security, Legislative & Regulatory Enhancements

Visit LearnJDE.com for details

ORACLE

Copyright © 2017, Oracle and/or its affiliates. All rights reserved.

Continuous Innovation for JD Edwards

EnterpriseOne 9.2 Continuous Delivery

- Product innovation delivered by Oracle in smaller updates
- Delivered on a more frequent basis
- Released rapidly to deliver value to the market faster

EnterpriseOne 9.2 Continuous Adoption

- New releases adopted by customers to realize the value delivered by Oracle
- Updated @customer on a regular basis
- Reducing the requirement for costly, disruptive upgrades

Copyright © 2017, Oracle and/or its affiliates. All rights reserved.

JD Edwards Investment Strategy

Copyright © 2017, Oracle and/or its affiliates. All rights reserved.

Digital Business is…Real-Time

Pervasive digital technologies
Location & device independence
Process & business change
Breakthrough performance
Strategic opportunities

1. Digitize Operations
2. Digitize Products
3. Digital Delivery, Decision Support

Copyright © 2017, Oracle and/or its affiliates. All rights reserved.

JD Edwards is Investing for your Future

Enabling the Customer Journey into a Digital Enterprise

ERP Modernization

UX Innovation

Digital Transformation

Operational Simplification

- **ERP innovation that Differentiates your Business**
  - Rich Industry Functionality
- **Personalized User Experience**
  - UX One
- **Digital Technologies for Business Transformation**
  - Mobility, IoT, Collaboration
- **Cloud Enablement**
  - IaaS, PaaS, SaaS

ORACLE

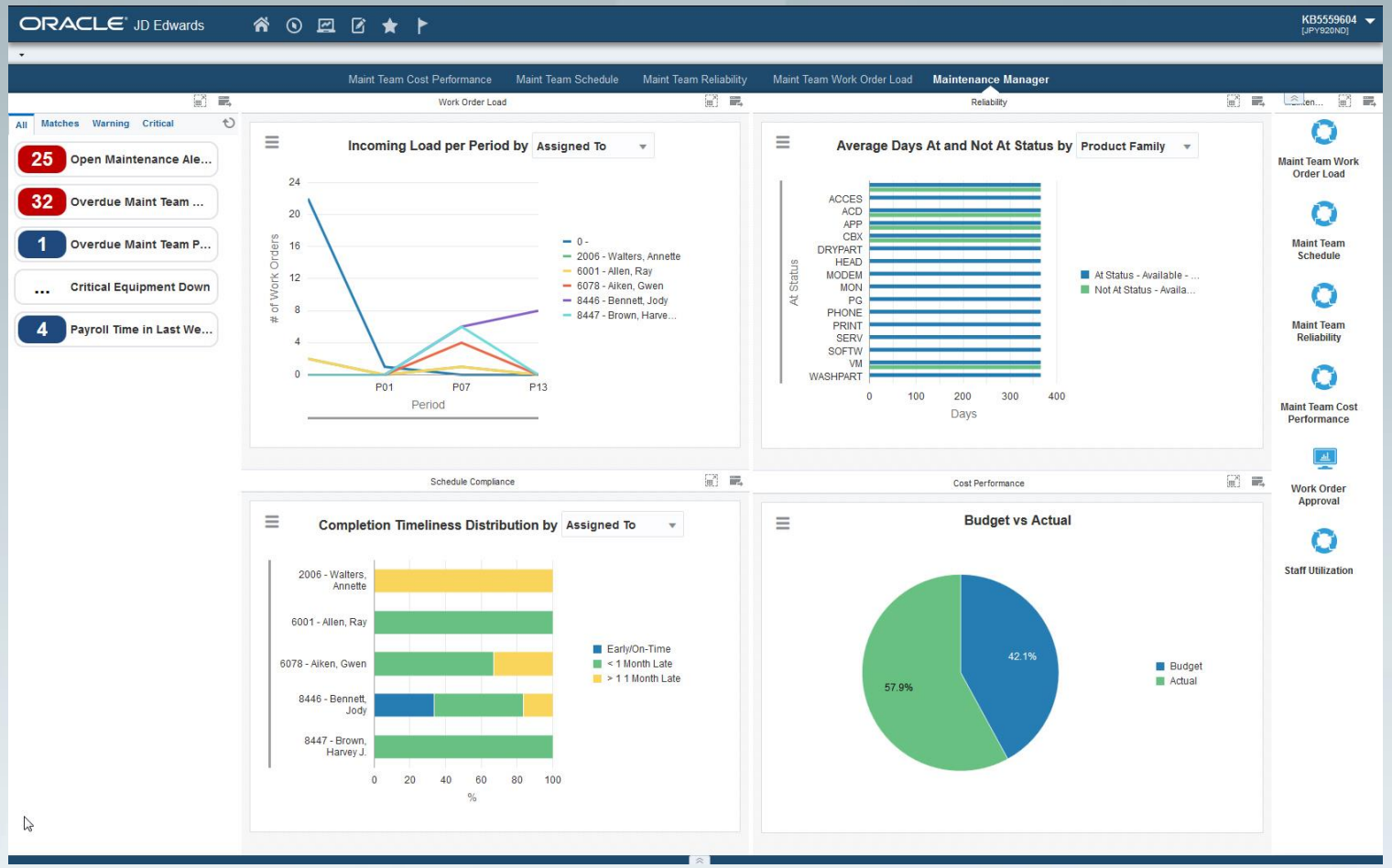
Copyright © 2017, Oracle and/or its affiliates. All rights reserved.

JD Edwards Recent Innovations & Roadmap Detail

Copyright © 2017, Oracle and/or its affiliates. All rights reserved.

UX One User Experience

UX One Delivers Role-Based Content



50

Roles Shipped

Across 23 Functional Areas

Alert, Analyze, Act

PLUS!

On the Glass

Low Code, No Code Form

Personalization

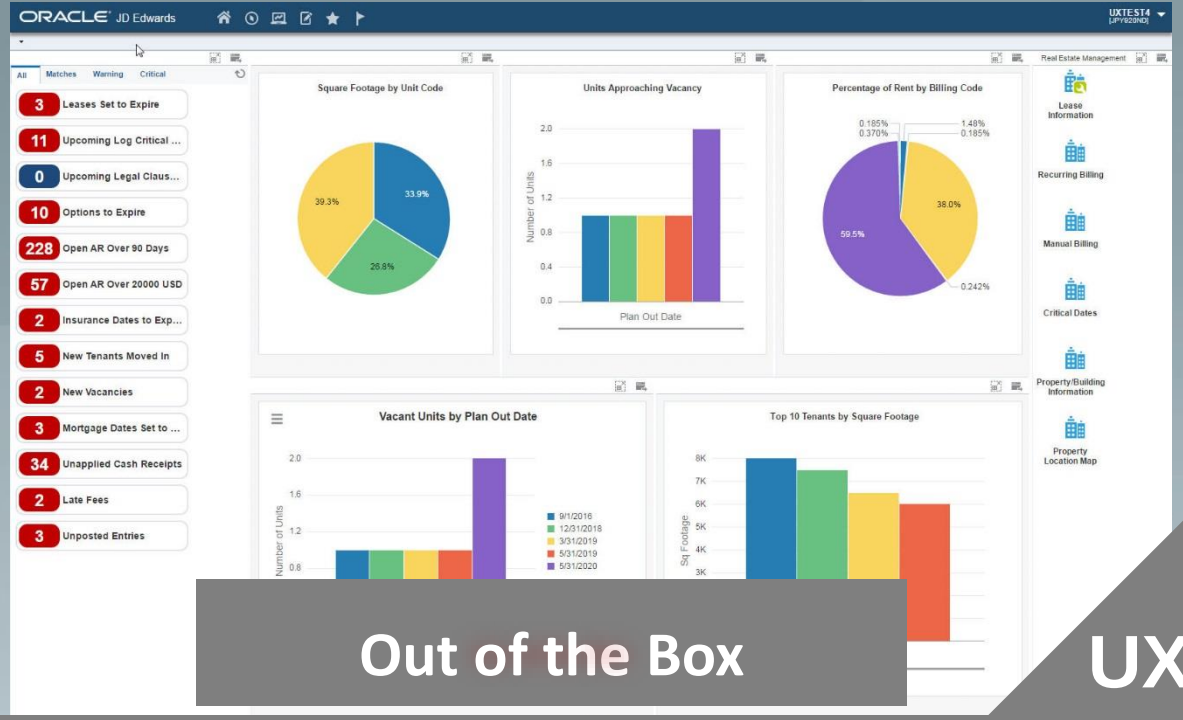
Composed Pages

JDE + Other Content

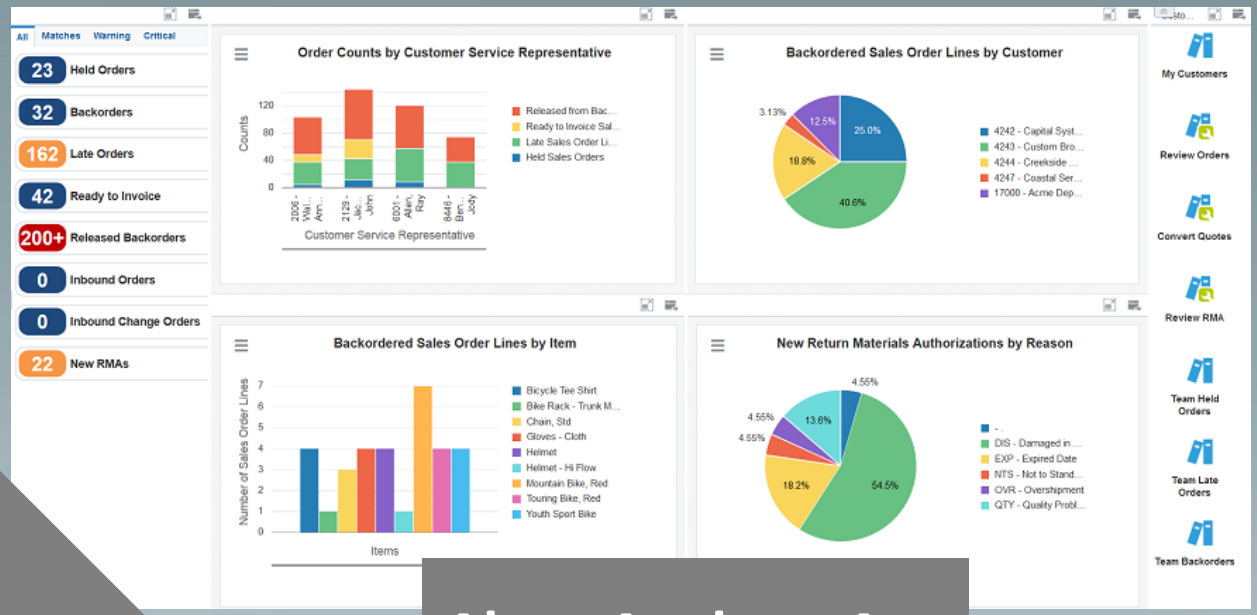
JDE Search

Copyright © 2017, Oracle and/or its affiliates. All rights reserved.

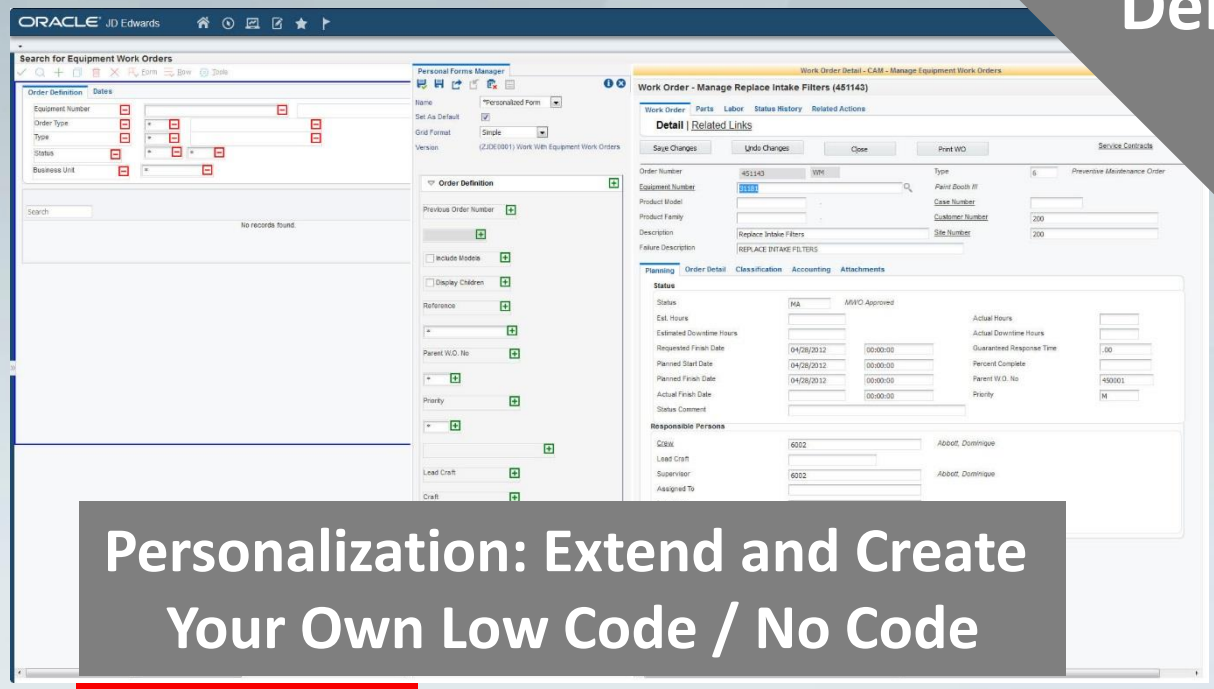
UX One Delivers



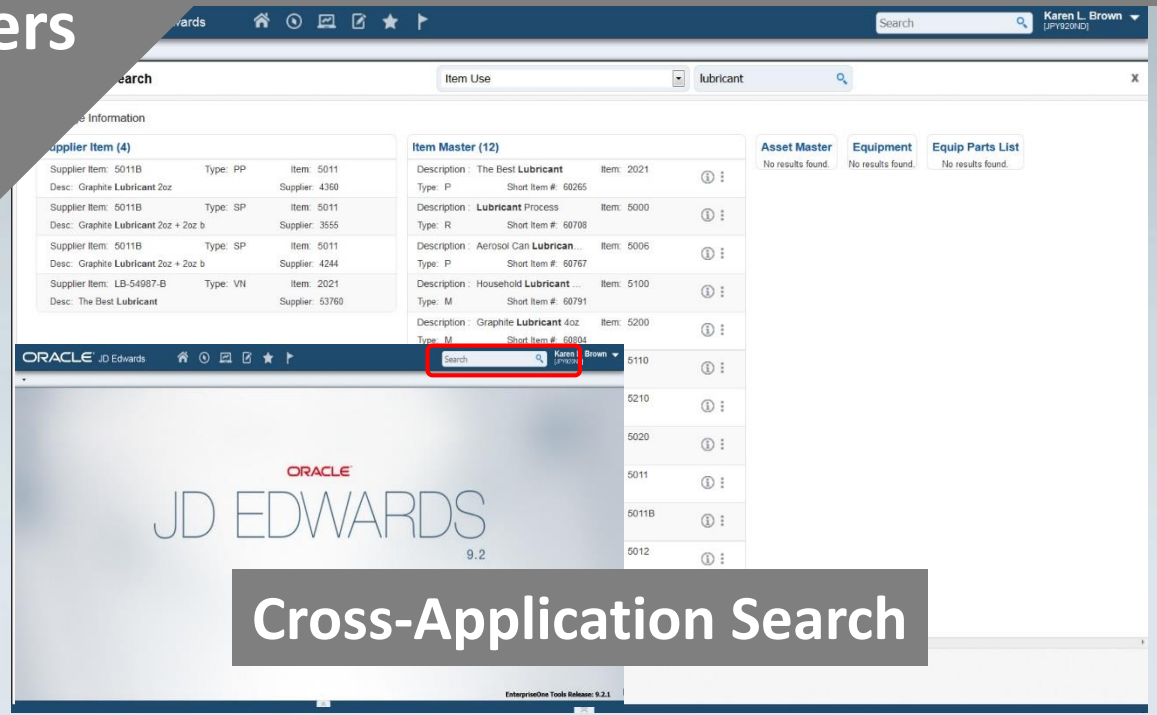
Out of the Box



Alert, Analyze, Act



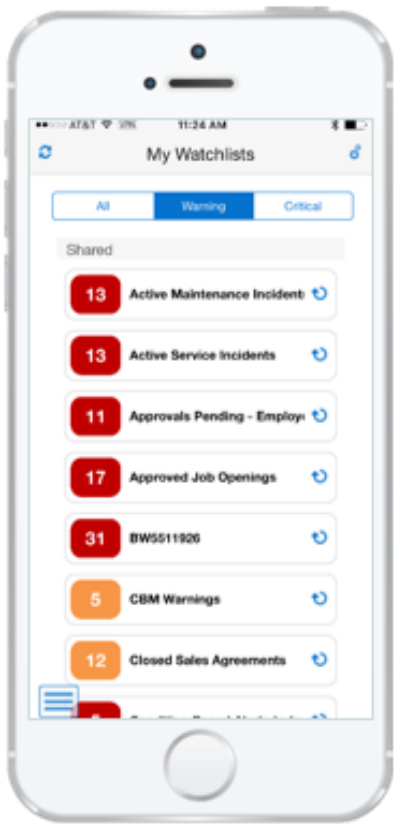
Personalization: Extend and Create Your Own Low Code / No Code

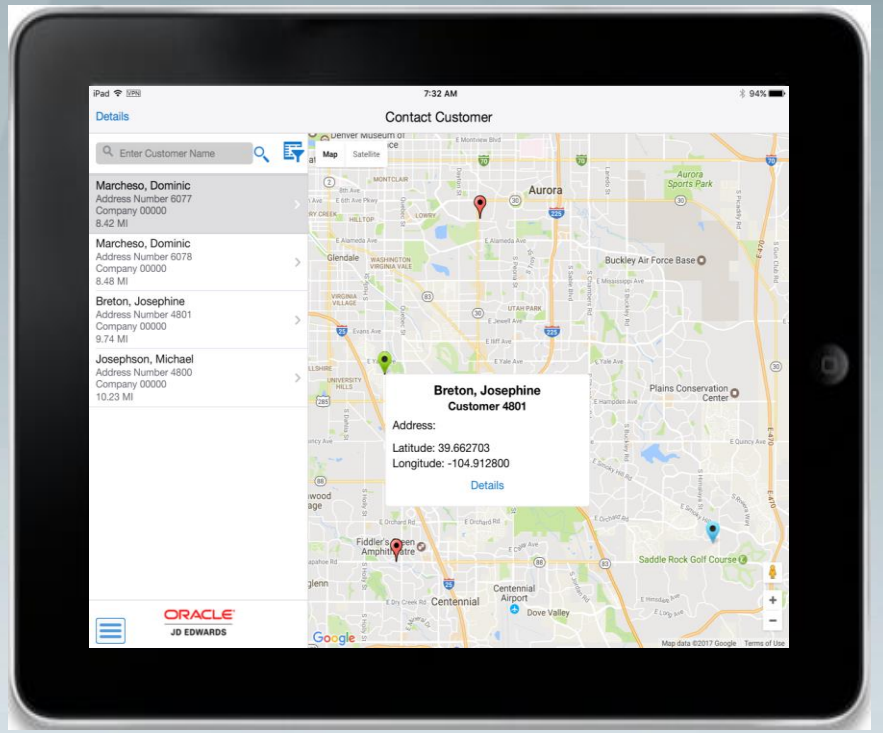


Cross-Application Search

EnterpriseOne Mobile

Over 80 Mobile Enterprise Apps Available





Recent Updates

- Mobile Watchlists
- Barcode Scanning
- Location Services
- Mobile Cloud Service Integration

ORACLE

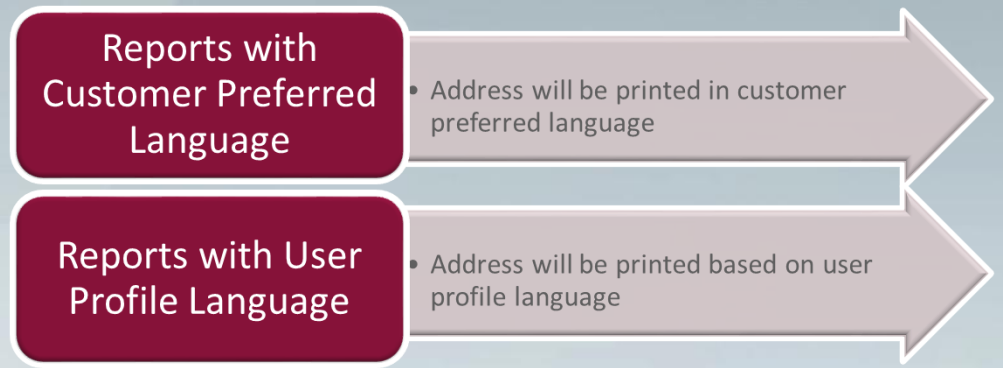
Copyright © 2017, Oracle and/or its affiliates. All rights reserved.

GA

Alternate Language Descriptions

Support for Additional Description Fields

- **Ability to store and display alternate language descriptions based on your language preference**
  - **Address Book**
    - **Alpha Name**
    - **Mailing Name**
    - **Mailing Address**
  - **Payment Terms**



Copyright © 2017, Oracle and/or its affiliates. All rights reserved.

Basket Pricing for Procurement

GA

Leverage Discounts and best Pricing for Products Purchased

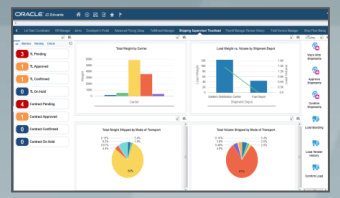
- Automated structured method of discounting product purchases for related category items.
- Avert loss of savings
- Eliminate manual maintenance
- Maintain data integrity between purchase order and price history

ORACLE

Copyright © 2017, Oracle and/or its affiliates. All rights reserved.

Orchestrator - Path to Digital Transformation

Mobile Applications



JDE UX One

Process Automation

Internet of Things

Oracle Cloud

Third-party systems

Your App Here

Application Interface Services

Orchestrator

JDE Apps

Business Logic

Business Data

Orchestrator Studio

ORACLE
JD Edwards EnterpriseOne

The Digital Economy

The Digital Gold

ORACLE

Copyright © 2017, Oracle and/or its affiliates. All rights reserved.

JD Edwards Notifications

GA

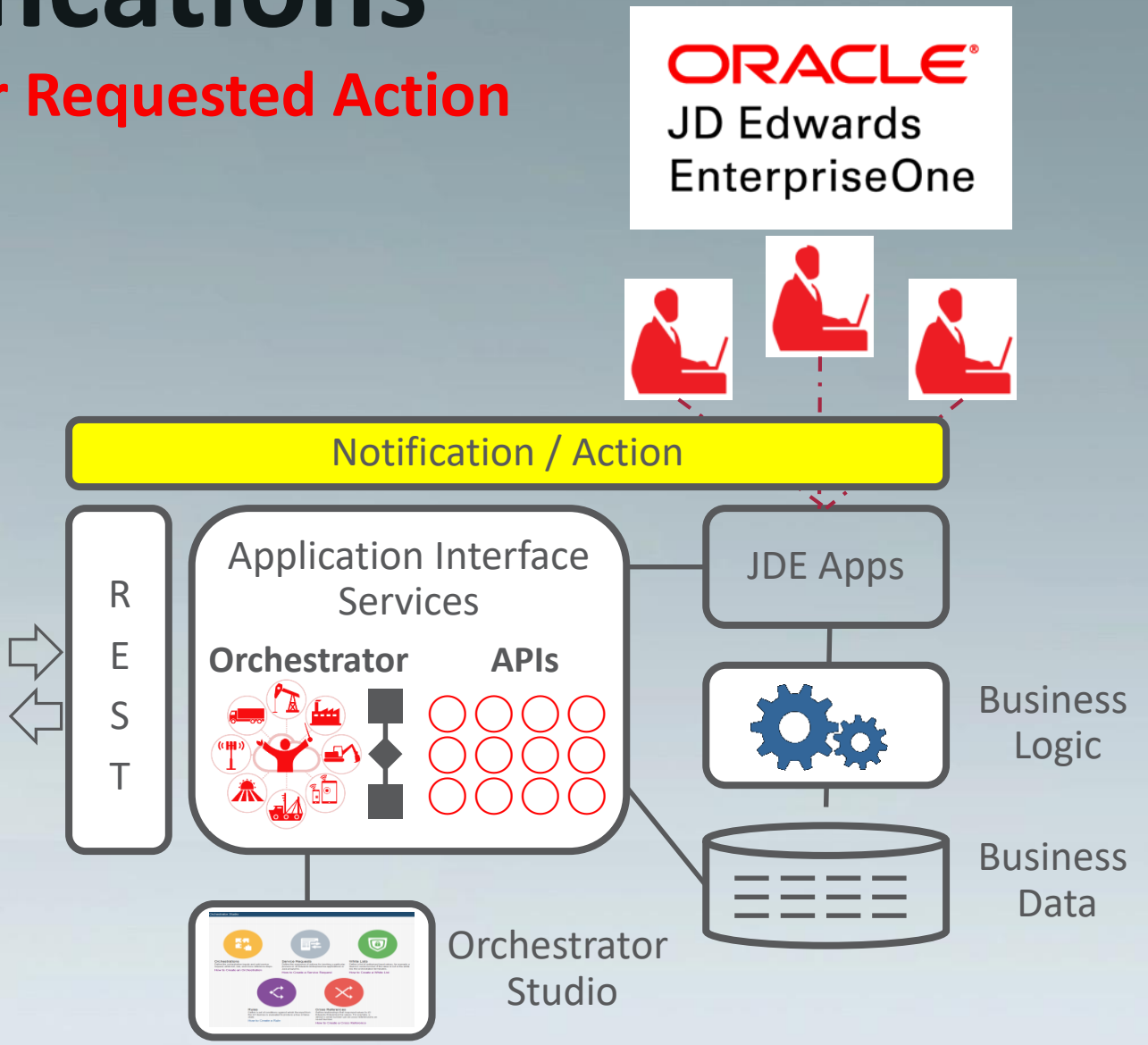
Proactive Push of Information or Requested Action

Capability

- Evaluate conditions
- Subscription model
- Recommend action
- Scheduler

Significance

- Untethered awareness
- Management by exception
- Simple workflow
- Scheduled automation



ORACLE

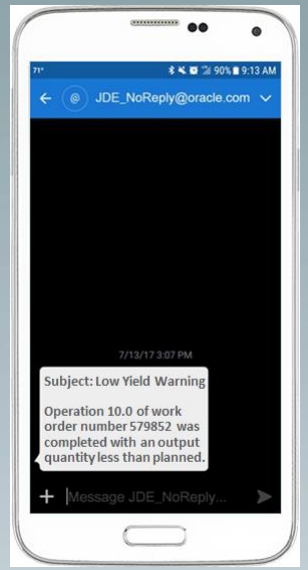
Copyright © 2017, Oracle and/or its affiliates. All rights reserved.

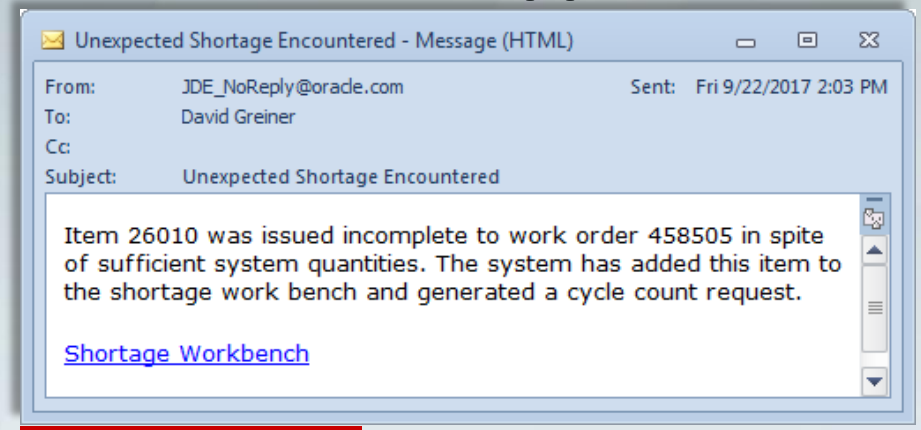
Manufacturing Production Execution

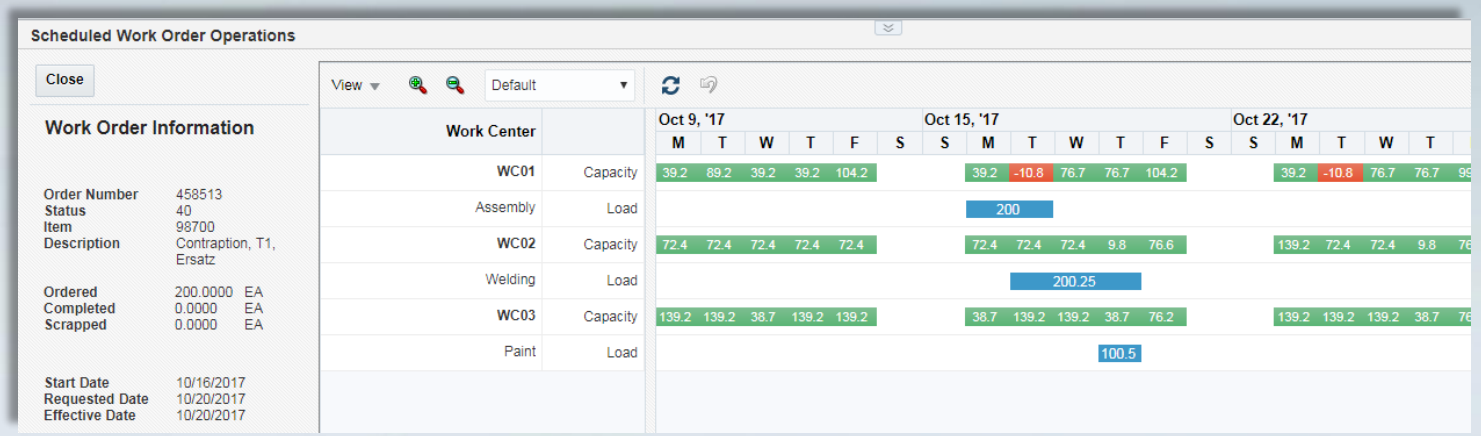
GA

Process Modernization

- Gantt style graphical display of all work order operations
- Drag & drop work order scheduling
- Unexpected shortage triggers cycle count and notifications
- Warning notifications when operational yield is lower than expected
- Notifications of test/inspection failures awaiting disposition
- New mobile applications for Cycle Count and Inventory Transfers





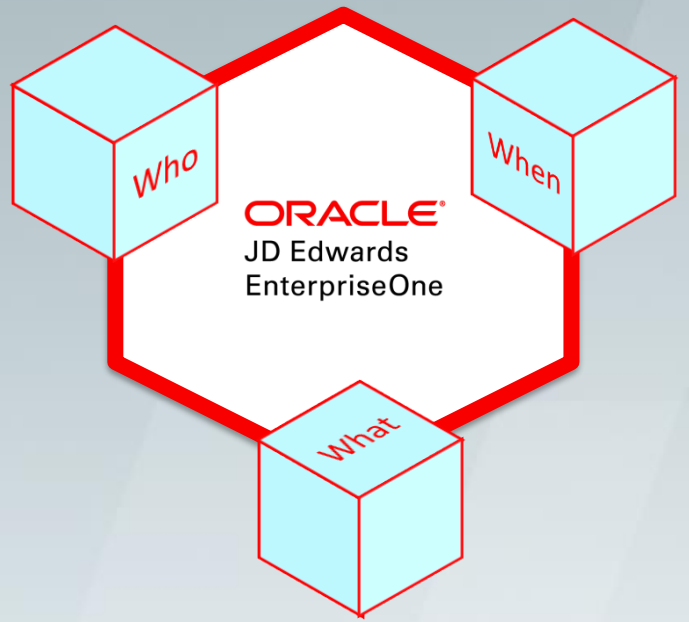


Copyright © 2017, Oracle and/or its affiliates. All rights reserved.

Object Tracking and Impact Analysis

GA

The Who, What and When of EnterpriseOne application usage
Discover the object usage and understand the impact of EnterpriseOne updates



- Which Customizations are being used or no longer used?
- What is the impact of an EnterpriseOne update on my users?
- Which Objects are being accessed and how often?
- Who is accessing EnterpriseOne object?
- When do I have Peak Load on my system?

I want to know which EnterpriseOne users are using which applications and the frequency in order to understand EnterpriseOne usage in my business and identify opportunities to optimize the system.

ORACLE

Copyright © 2017, Oracle and/or its affiliates. All rights reserved.

24

GA

Server Manager Foundation & REST API Enhancements

Diagnostic APIs
- All Servers
- Useractivity
- configsummary

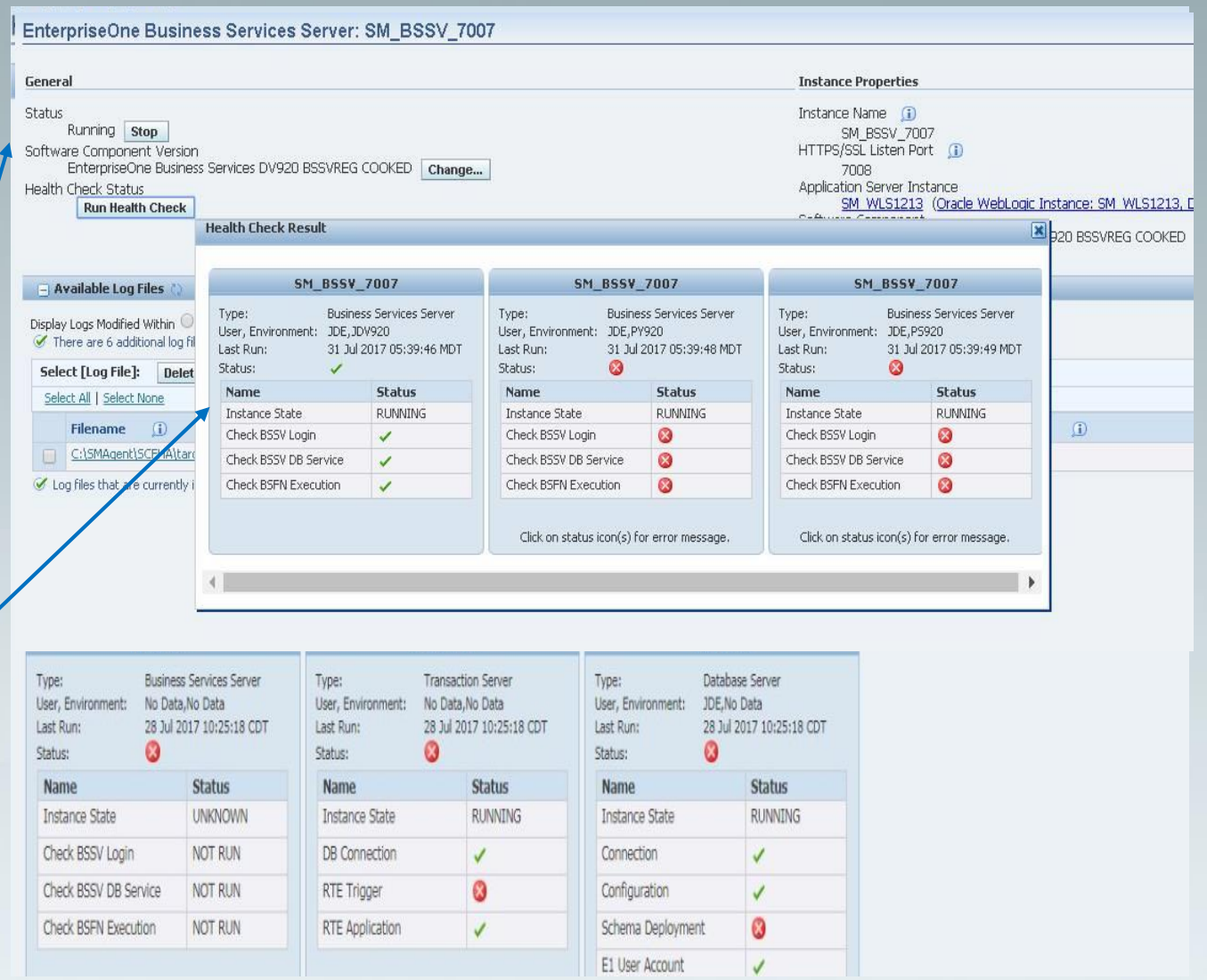
- HTML Server
- instanceinfometric
- javamemoryusage
- callobjectstats
- jdbjpooledconnections
- rungc
- updateloglevel
- jdbjdatabasecaches
- clearjdbjdatabasecache

- Enterprise Server
- entserverinstanceinfo
- entserverprocessmetric
- cleartablecache

SM Health Check APIs
- DB Health Checks
- Enterprise Server
- HTML & OVR
- AIS Server
- BSSV
- RTE

ES/DB Provisioning APIs
- Enterprise Server on WIN
- Oracle DB on WIN
- SQL Server on WIN

Health Check UI
- Instance level
- Filter By
- All Servers



Copyright © 2017, Oracle and/or its affiliates. All rights reserved.

25

Future EnterpriseOne Solutions

Planned and Research Highlights on 9.2 Code Line

Planned

ERP Modernization
- Lessee Accounting for Real Estate
- Lease Accounting – non Property
- Lease Term changes
- JVM Indirect Cost Management
- Override Billable Unit Price to Zero for Service Parts
- Context Navigation for Analytic Components
- Electronic Submission of OSHA Injury and Illness
- Mobile Employee Time Entry Phone App

UX Innovation
- Form Personalization: Override Grid Labels
- Form Extensibility: Form/Row Exits
- Form Extensibility: Business View Columns

Digital Transformation
- Administrator subscriptions
- Confirmed orchestrations & messages
- Orchestration Recorder
- Complex workflows: escalation, delegation, etc.
- Modernize Work Center
- Scheduler Enhancements

Operational Simplification
- Platform Neutral Provisioning for Windows
- Simplified Upgrade on One-Click Provisioned Target
- Guided Special Instructions
- Delivery of JD Edwards Trial Edition as a Container
- Platform Neutral Provisioning for iSeries
- Platform Neutral Scale out

Platforms
- Microsoft Windows 2016 - Final phase
- Apple iOS 11
- Visual Studio 2017 & Windows SDK 10
- Oracle WebLogic Server 12.2.1.3
- Oracle ADF 12.2.1.3

Research

- Adaptive Intelligence
- Picking Intelligence (Picking Optimization)
- Auto Replenishment for LPN Branch/Plant
- License Plate Support – PO Receipts
- Expanded Delivery Methods
- Expand LPN Commitment Swap Capability
- License Plate Workbench
- License Plate Support – Work Order
- License Plate Support – Ship Confirm
- Mobile Attachments
- One View Scheduler
- Reverse Ship Confirm
- Shipment Numbers for Direct Shipments
- Expand Shipment Consolidation Capability
- WO Activity Rules for Manufacturing
- Impact Analysis for Multiple ESUs
- Compiler Uplift for Tools Build

Platform Certifications, Security, Legislative & Regulatory Enhancements

The above 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 and timing of any features or functionality described for Oracle's products remains at the sole discretion of Oracle.

Copyright © 2017, Oracle and/or its affiliates. All rights reserved.

Future EnterpriseOne Solutions

Research Highlights on 9.2 Code Line (continued)

Research

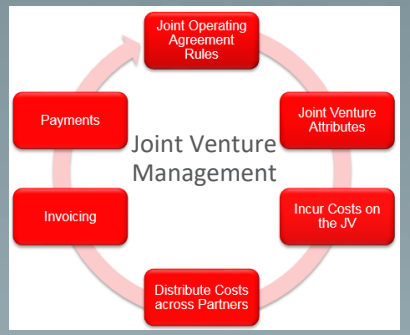
- Graphical Maintenance Scheduling Application
  - Current and Future Maintenance Requirements
  - Resource Availability and Utilization
  - Parts Availability
  - What if Analysis
- Process Simplification - Work Initiation
  - Status changes
  - Work Order and Equipment Information available to technician
- Convert Monthly Forecast to Weekly
- Shop Floor Calendar Generator
- Extract Item Ledger History
- Smart Grid
- Smart/Computed Fields
- OVR Scheduler
- Parameterized Query
- Enhanced Drill back
- Cognitive Applications
- Guided UX Tour
- Responsive Forms
- Logic Extensibility
- Grower and Blend Inventory Commitments for Sprays, Additives, and Consumables
- Visual Dependency Chain of Operations
- Blend Management – Import Barrels into a VBT
- Platform Neutral Provisioning
  - Server Manager
  - Development Client
  - All Server Components
- Extend Voucher Match Automation Capabilities
- Enhance UX for Requisition Self Service
- Enhance UX for Purchase Order Entry
- Automated Load based Scale out/Scale in
  - Simplified Update using One-Click Target
  - Customization Converter
  - Automated Testing for Patching

The above 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 and timing of any features or functionality described for Oracle's products remains at the sole discretion of Oracle.

Copyright © 2017, Oracle and/or its affiliates. All rights reserved.

Joint Venture Management

New Capabilities Within JD Edwards Financials



Manage joint ventures to account for reported cost, revenue and infused cash in order to distribute net amounts to joint venture partners

Available

- ✓ Legal Entities
- ✓ Joint Venture Approvals
- ✓ Date Effective Percentage of Ownership (Division of interest)
- ✓ Extract JV costs from general ledger
- ✓ Calculate and manage distributions (pro rata share of each JV partner
- ✓ UX One

Planned

- Manage requests for cash from JV partners
- Calculation of overhead, management and other fees charged to a JV
- Manage AFE's
- Create net amounts for Invoicing/vouchering JV partners
- Financial visibility including role based dashboards
- Notifications

ORACLE

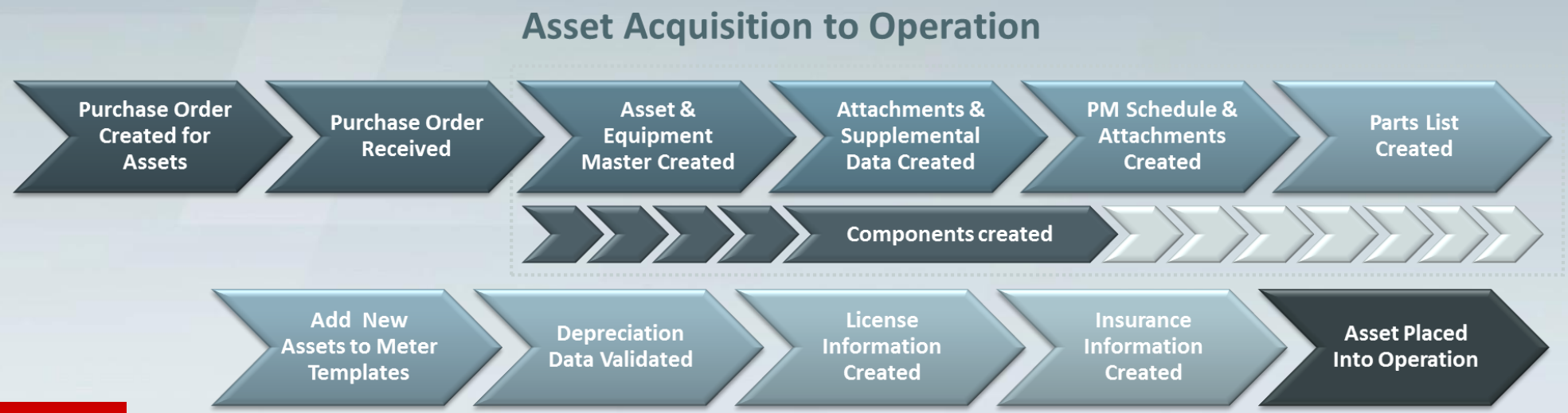
Copyright © 2017, Oracle and/or its affiliates. All rights reserved.

Planned

Asset Acquisition to Operation

Process Modernization

- Simplification of the process of adding new assets
- Notifications to appropriate users throughout the process
- Mobile applications to capture information and images at the source
- Application Simplification



The above 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 and timing of any features or functionality described for Oracle's products remains at the sole discretion of Oracle.
Copyright © 2017, Oracle and/or its affiliates. All rights reserved.

Lease Accounting Standard

FASB ASC 842 and IRFS 16 Leases

What

- Revenue Recognition for lease management companies
- Lessor Accounting for property and non-property leases
- Lessee Accounting for property and non-property leases

Available

- ✓ Revenue Recognition for Real Estate
- ✓ Lessor Accounting (FASB 13) for Real Estate - Straight Line Rent

Planned

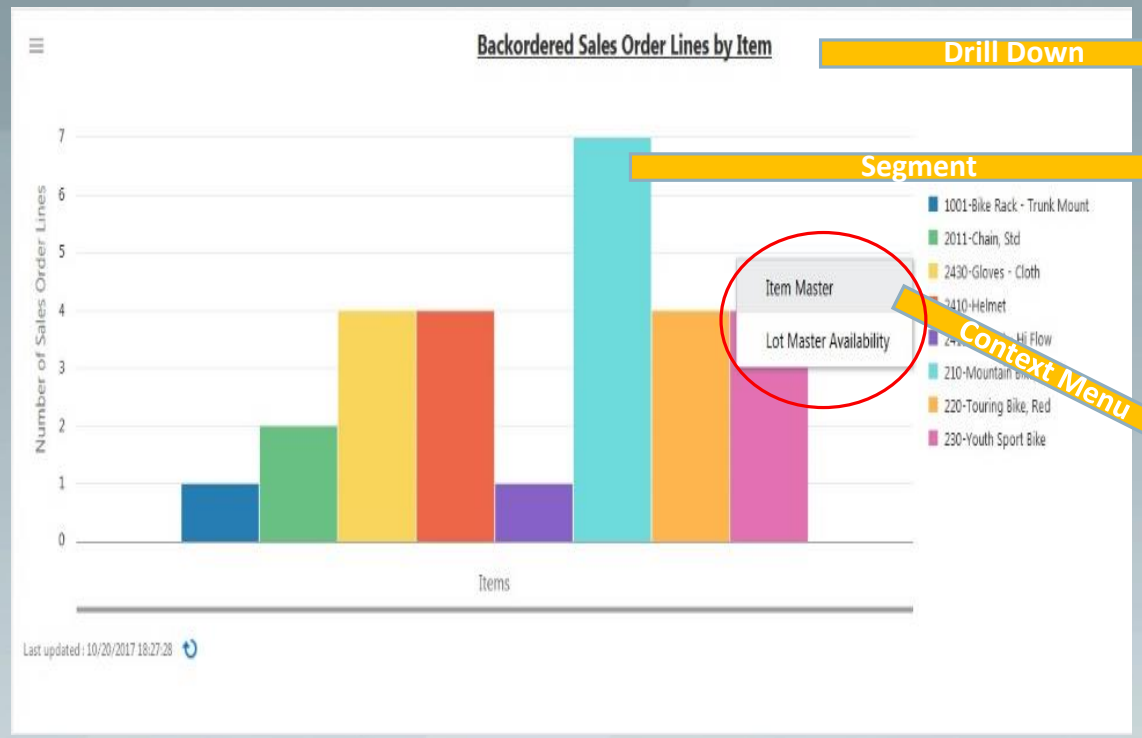
- Lessee Accounting for Real Estate
- Lease Accounting for non-property
- Lease Term Change Management
- Lease Conversion (Finance to operating or operating to finance)

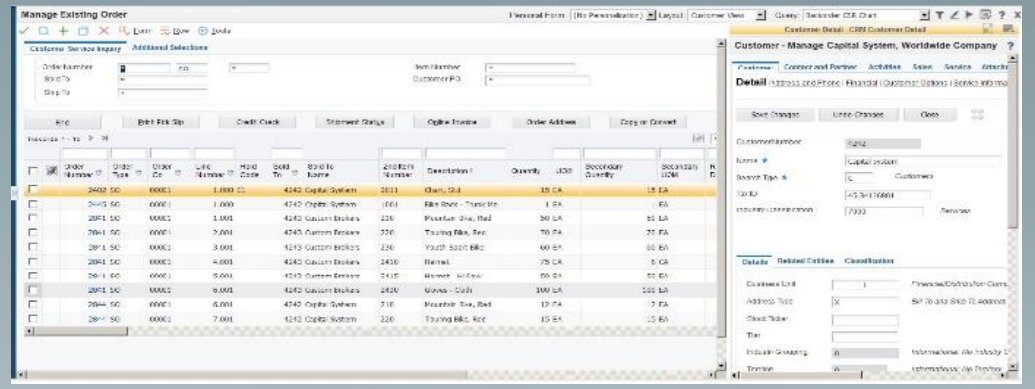
The above is intended to outline our general product direction. It is intended for information purposes only, and may not be incorporated into any contract. It is not a commitment to deliver any material, code, or functionality, and should not be relied upon in making purchasing decisions. The development,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

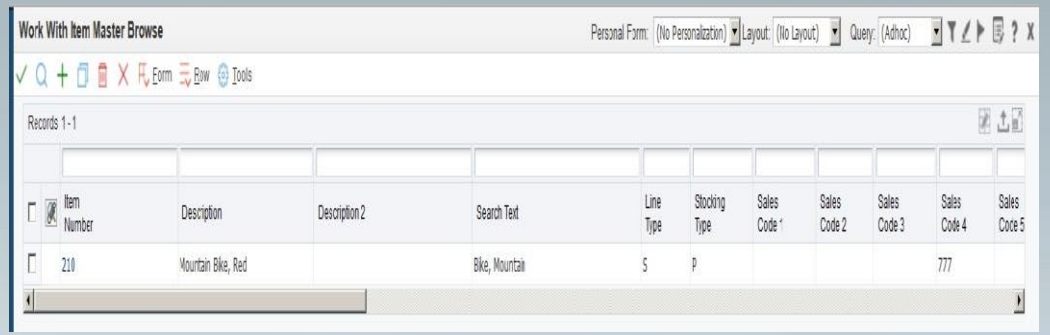
Copyright © 2017, Oracle and/or its affiliates. All rights reserved.

UX One Analytic Component Navigation

Planned







- Drill down to a detailed list of all data that fed the chart to explore business conditions in more detail
- Drill down to pre-filtered data based on a chart segment
- Context Menus allow users to quickly navigate to related master and transactional applications for further investigation and action

The above 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 and timing of any features or functionality described for Oracle's products remains at the sole discretion of Oracle.

Copyright © 2017, Oracle and/or its affiliates. All rights reserved.

Planned

Mobile Employee Time Approval

- Review and approve anytime, anywhere
- Increased efficiency and productivity in the time collection process
- Real-time visibility into submitted time cards
- Delegate approval authority
- Configurable columns and display order simplifies users experience

Tablet

Phone

ORACLE

The above 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 and timing of any features or functionality described for Oracle's products remains at the sole discretion of Oracle.

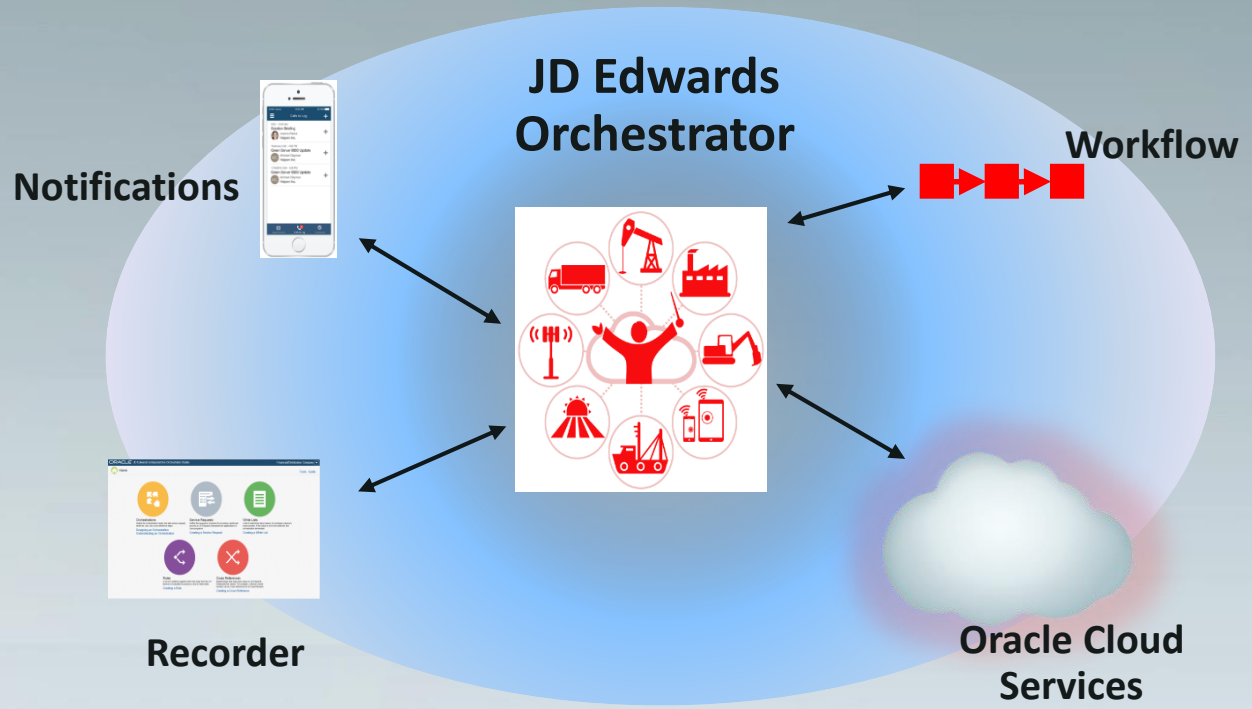
Copyright © 2017, Oracle and/or its affiliates. All rights reserved.

Planned

Orchestrations > Notifications > Workflow

Continued Innovation

- Confirmed Completion of Orchestrations
- Integration Cloud Service - Orchestrator
- Orchestrator Form Request Recorder
- Assigned Subscriptions
- Modern Work Center
- Complex workflow & process automation



The above 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 and timing of any features or functionality described for Oracle's products remains at the sole discretion of Oracle.

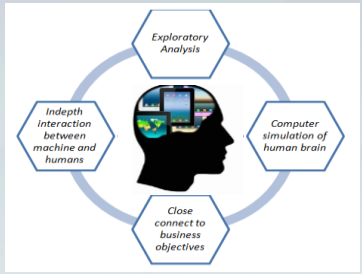
Copyright © 2017, Oracle and/or its affiliates. All rights reserved.

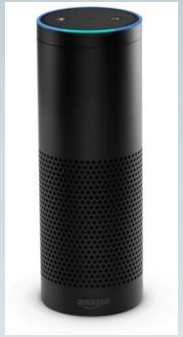
JD Edwards Labs

Research and Development team which works on pioneering technologies and their intersection with real world business problems

- **Incubate prototypes, working with early adopters**
- **Anticipate next generation business**
- **Position JD Edwards to deliver first**

Examples of technologies :





Copyright © 2017, Oracle and/or its affiliates. All rights reserved.

JD Edwards and Cloud

Copyright © 2017, Oracle and/or its affiliates. All rights reserved.

Oracle Cloud

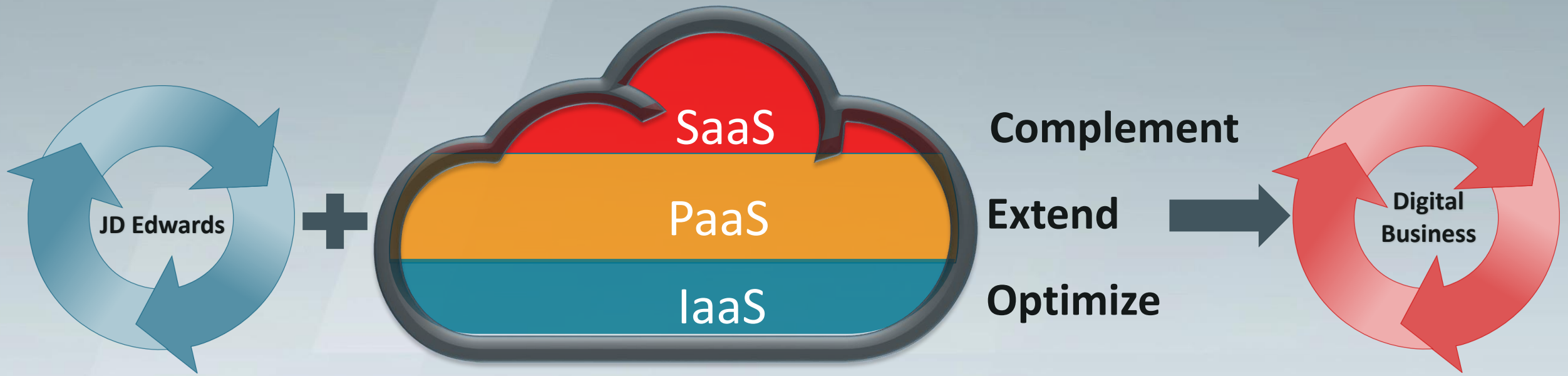
Oracle Cloud offers CHOICE and CONTROL, enabling your journey with complete, open, secure solutions for business transformation

ORACLE

Copyright © 2017, Oracle and/or its affiliates. All rights reserved.

JD Edwards Practical Paths to Oracle Cloud

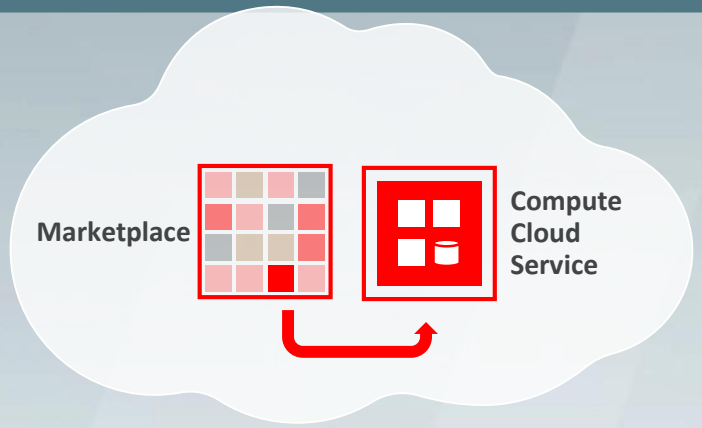
Hybrid by Design for CHOICE and CONTROL



Copyright © 2017, Oracle and/or its affiliates. All rights reserved.

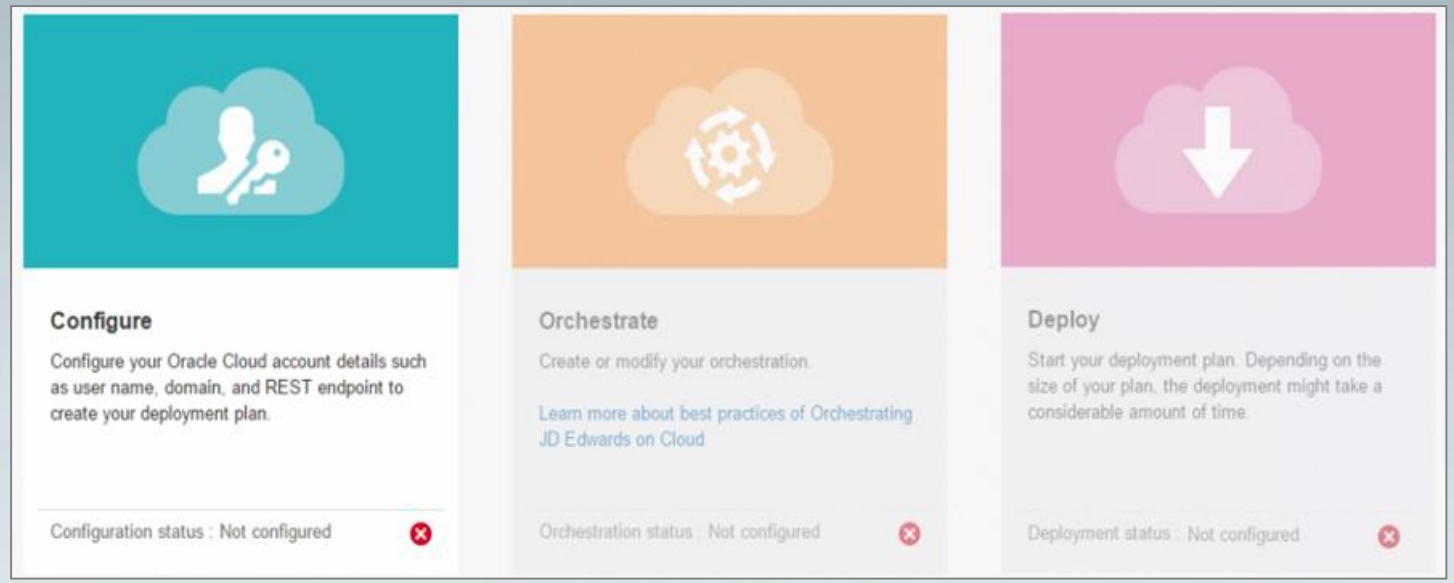
Automated Deployment from Cloud Marketplace

Trial Edition
Ideal for Demo / Sandbox



All-in-One
Demo / Sandbox

JD Edwards One-Click Provisioning
Available for EnterpriseOne 9.2 Production



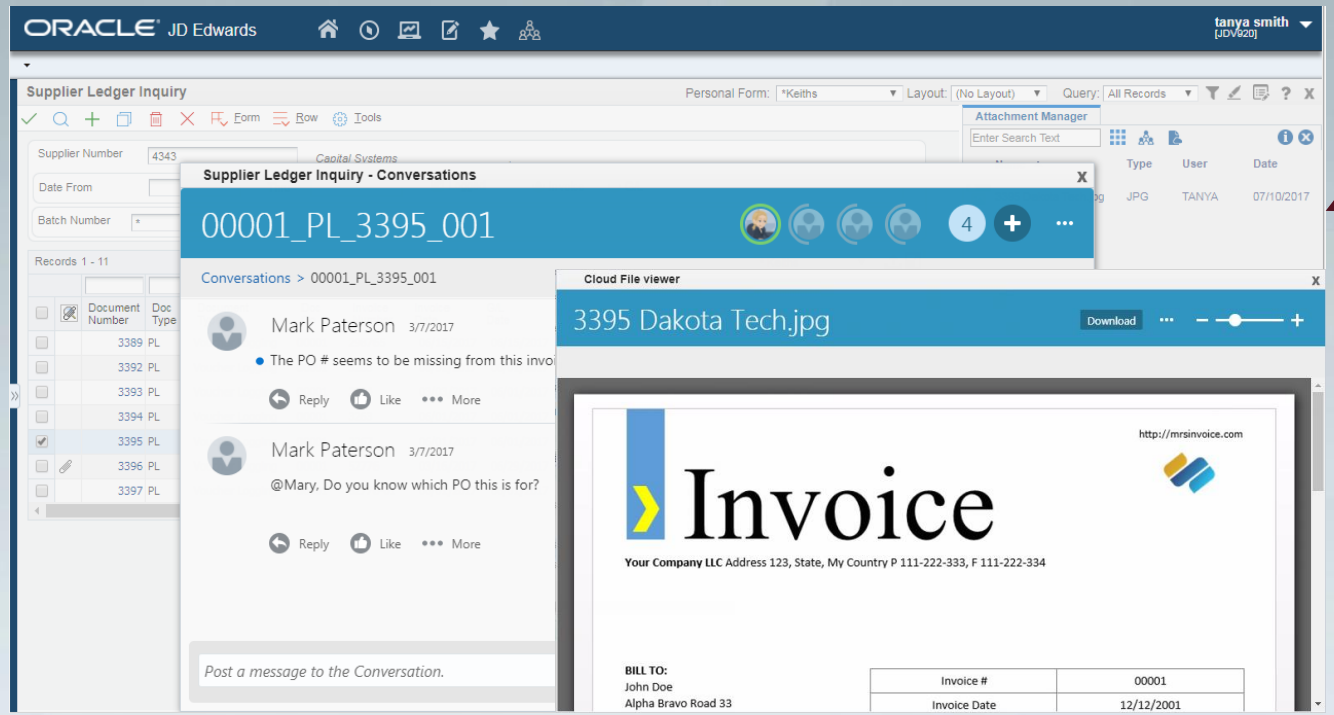
ORACLE

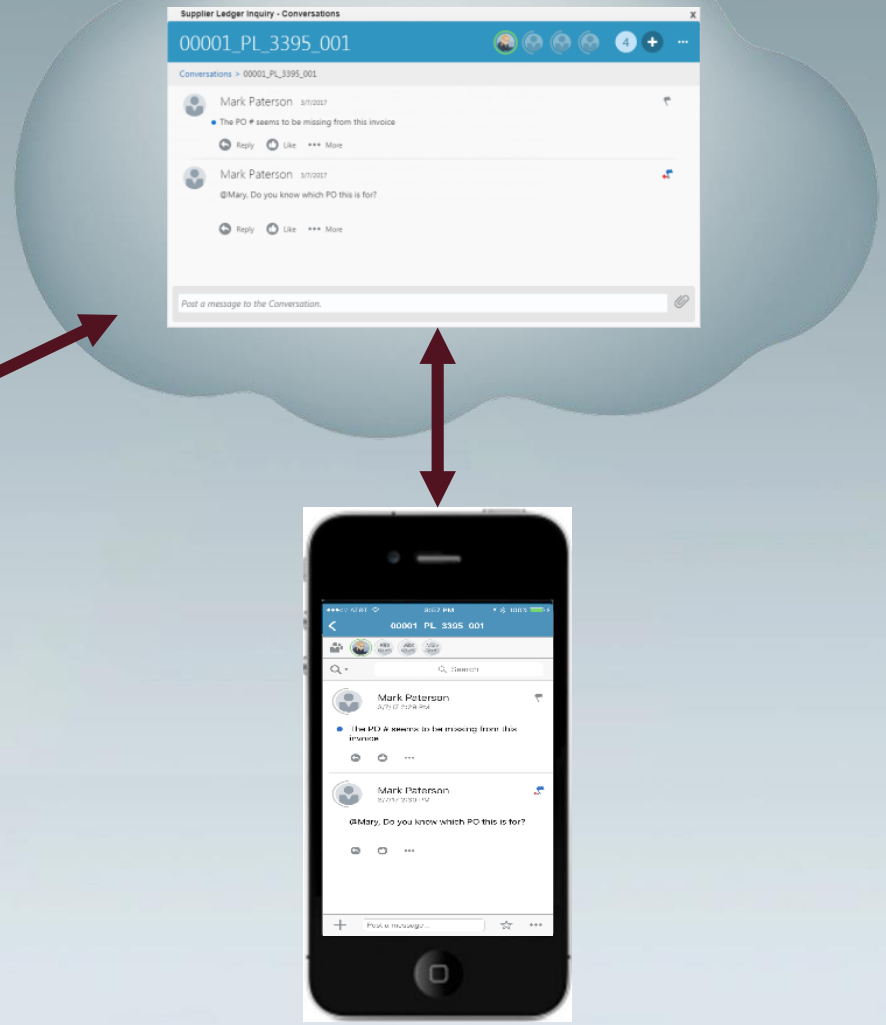
Copyright © 2017, Oracle and/or its affiliates. All rights reserved.

Content and Experience Cloud for JD Edwards

Out-of-the-box Integration

- In-context transaction related content and collaboration
- Collaborate inside and outside of JDE
- Engage with employees, customers, suppliers, partners

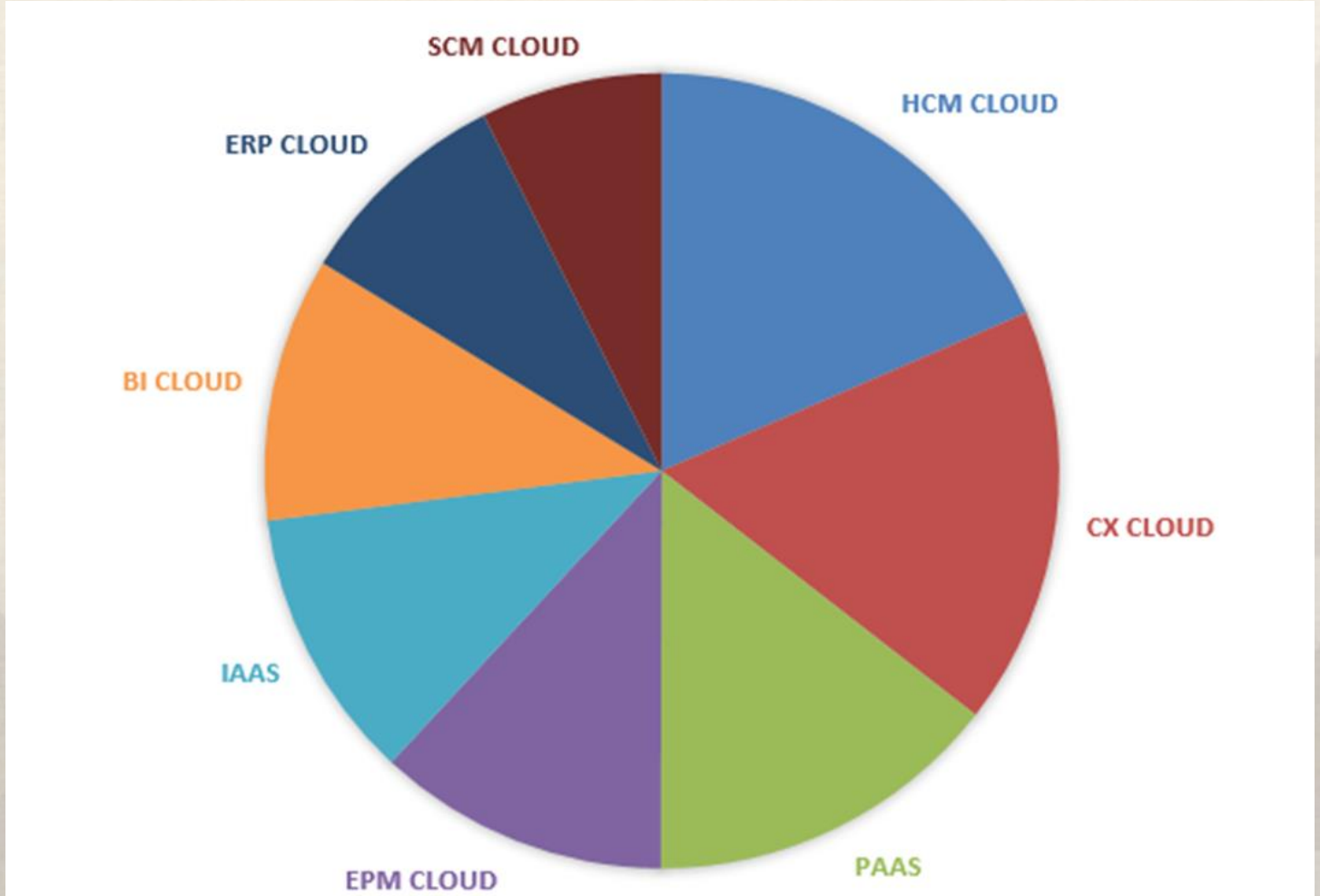




Copyright © 2017, Oracle and/or its affiliates. All rights reserved.

What are Customers Adopting in Oracle Cloud?

- CX Cloud
  - RightNow Contact Center
  - CRM Cloud Service
- HCM Cloud
  - Taleo Recruiting
- EPM Cloud
  - Planning & Budgeting
- ERP Cloud
  - Procurement Sourcing
- SCM Cloud
  - Transportation



Percentage of total cloud purchases from JDE customers by major cloud category

Copyright © 2017, Oracle and/or its affiliates. All rights reserved.

JD Edwards Resources

Copyright © 2017, Oracle and/or its affiliates. All rights reserved.

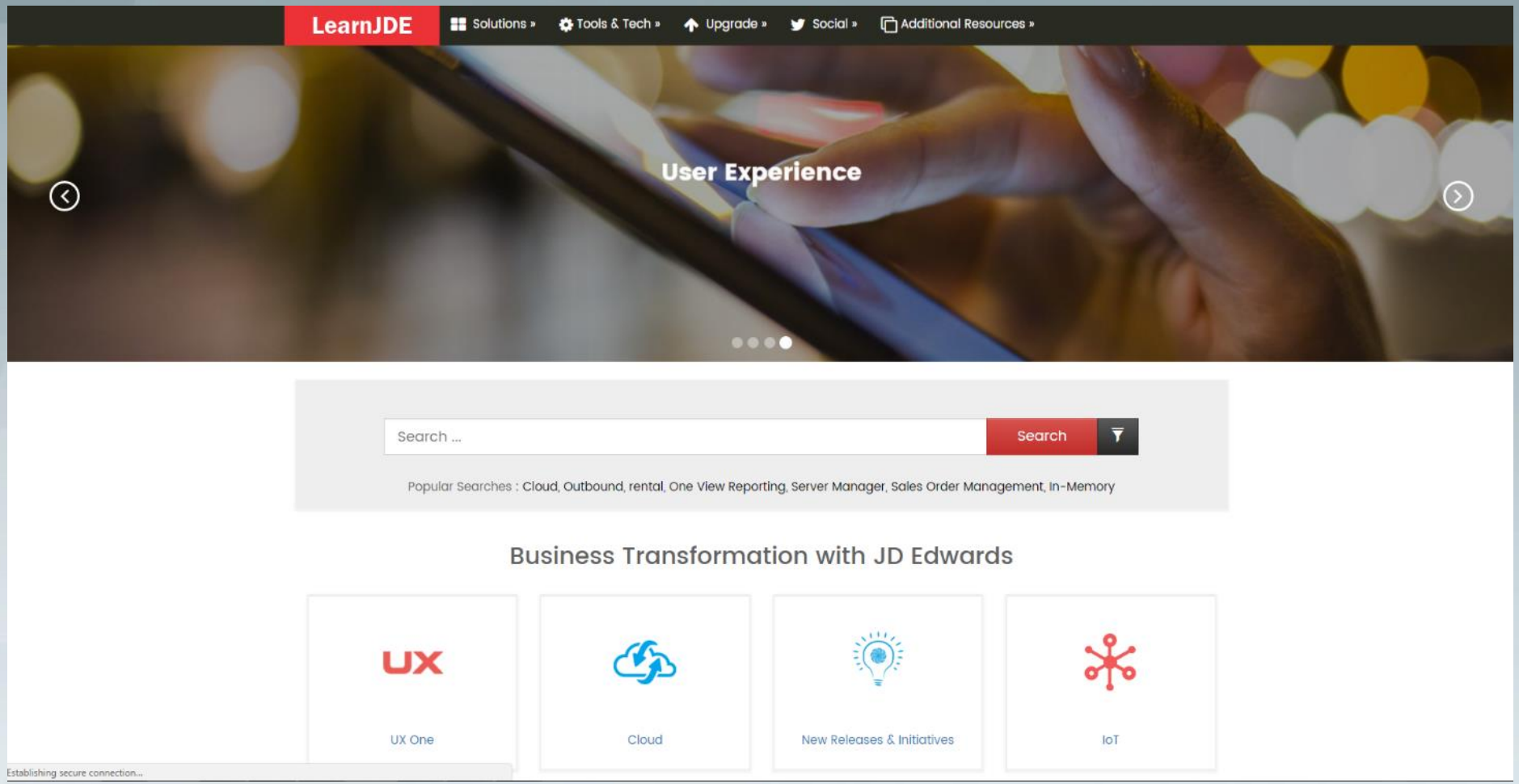
Introducing the New LearnJDE User Interface

New UI!

Improved Search!

Check it out TODAY!

www.LearnJDE.com
What has JDE done?

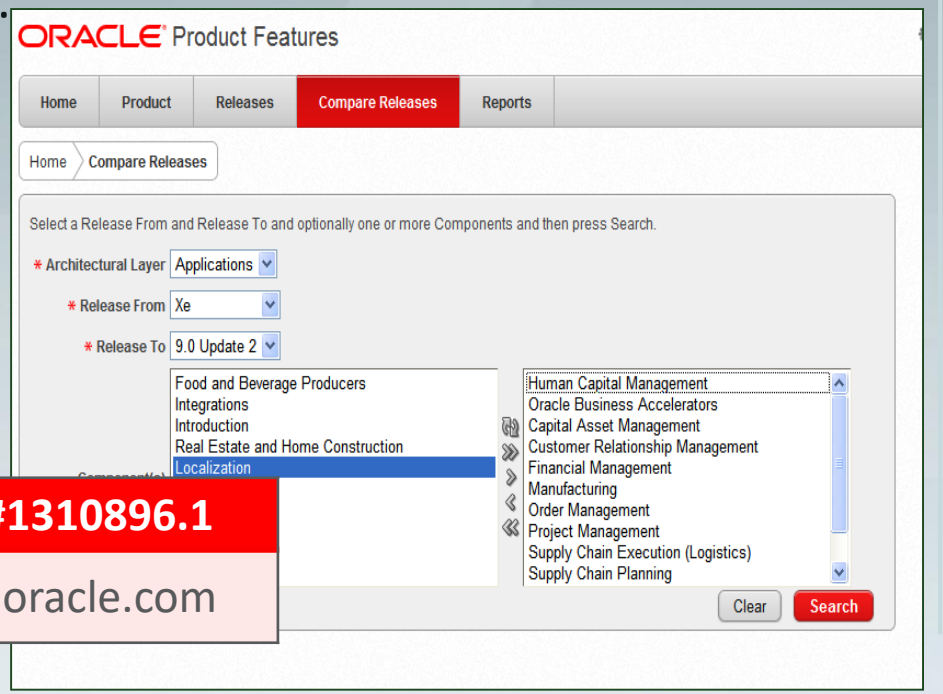


Copyright © 2017, Oracle and/or its affiliates. All rights reserved.

Building the Business Case and Understanding the Product Features and Technical Delta Between JD Edwards Releases

Oracle Product Catalog

- Live, searchable database for feature changes and additions between all JD Edwards EnterpriseOne releases.

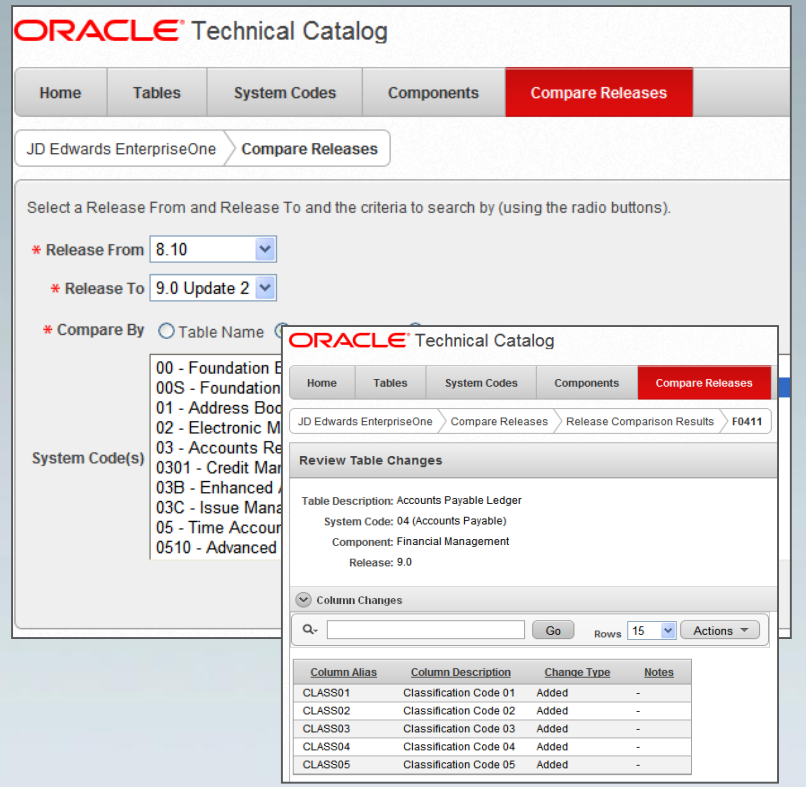


Doc ID #1310896.1

support.oracle.com

Oracle Technical Catalog

- Table changes and additions
- Field names
- Field definitions
- System code organization
- Multiple search options
- Many output options



Copyright © 2017, Oracle and/or its affiliates. All rights reserved.

Profit Magazine

JD Edwards Special Issue 2017

Just Released!

Customer Stories
Lyle Ekdahl Interview
And More!

All Digital – Link

Copyright © 2017, Oracle and/or its affiliates. All rights reserved.

Be Informed, Get Connected, and Share!

@OracleJDEdwards

@Lyleekdahl

@garygrieshaber

@monahanbob

@denisegrills

@wardquarles

JD Edwards Professionals

Oracle JD Edwards Channel

OracleJDEdwards

My Oracle Support Communities

Copyright © 2017, Oracle and/or its affiliates. All rights reserved.

JD Edwards is Investing!

Operational Simplification

ERP Modernization

Digital Transformation

UX Innovation

Continuous Delivery

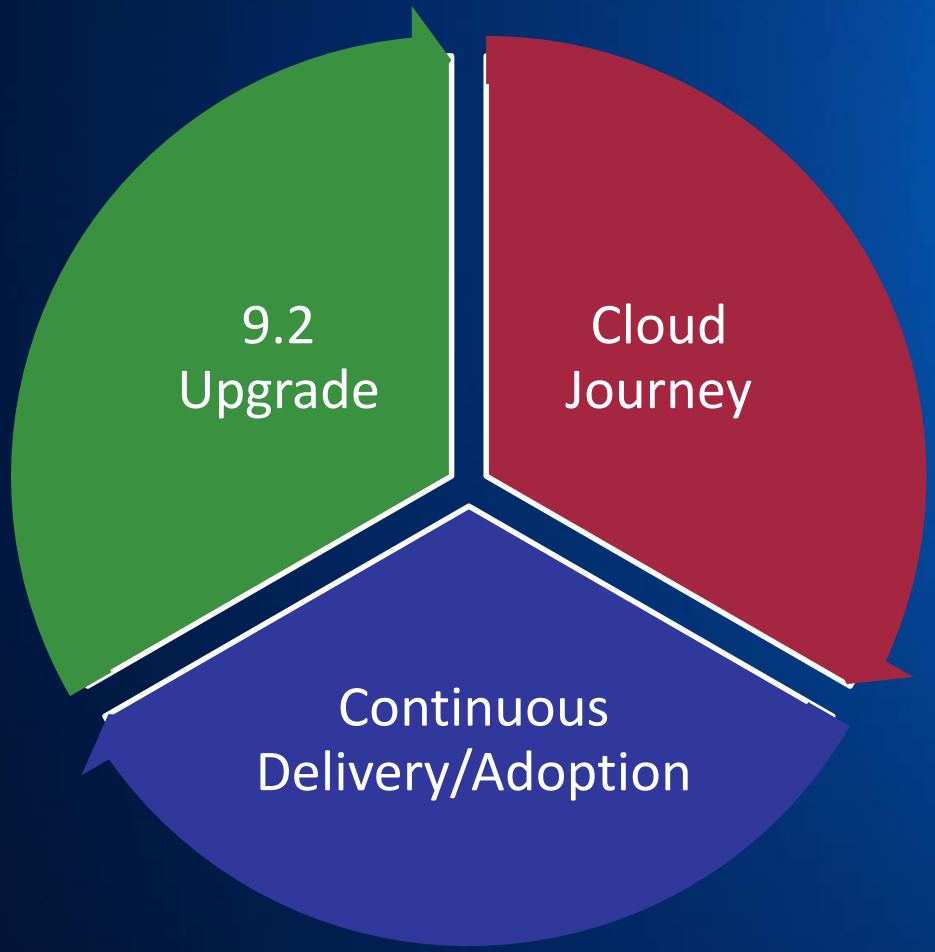
Innovating and delivering at the Speed of Trust

Copyright © 2017, Oracle and/or its affiliates. All rights reserved.

46

Continuous Innovation

Three Imperatives for JD Edwards and our Customers



ORACLE

Copyright © 2017, Oracle and/or its affiliates. All rights reserved.

ORACLE®