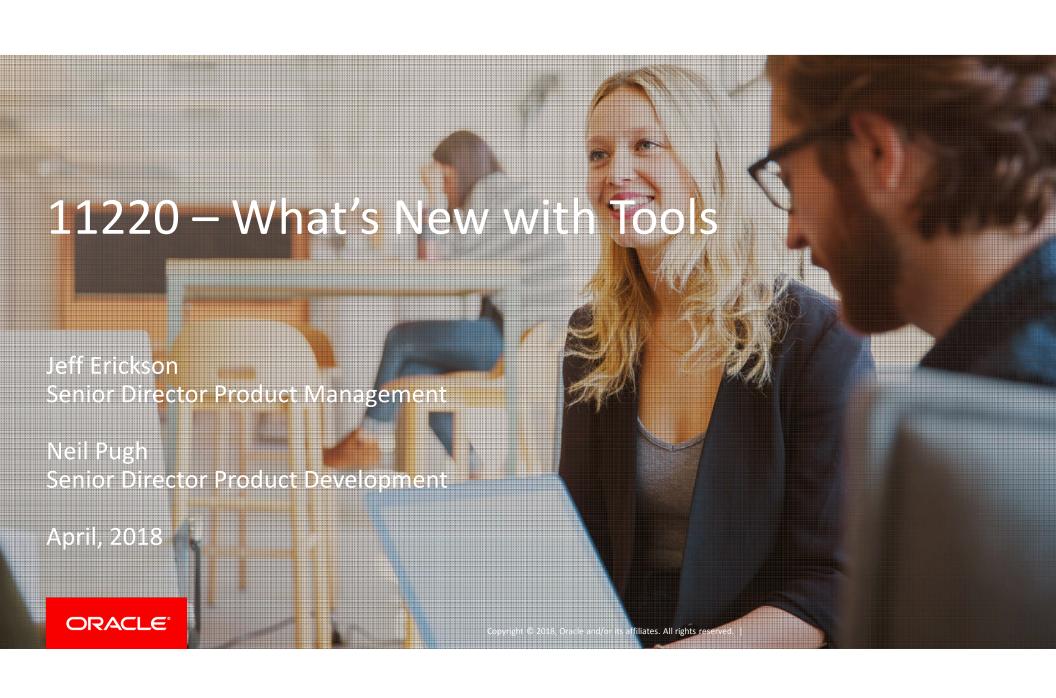
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Safe Harbor Statement

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.







The History of JD Edwards EnterpriseOne Tools





TECH SIG







- 100's of ideas
- Numerous SIG Roundtables
- 10+ Geek Meets
- Driven major product enhancements
- More ideas than what we can do















The Maker Culture





THE NEW INDUSTRIAL REVOLUTION CHRIS ANDERSON

Author of the hostseller The Lorer Teil







Challenge – InFocus Ideathon

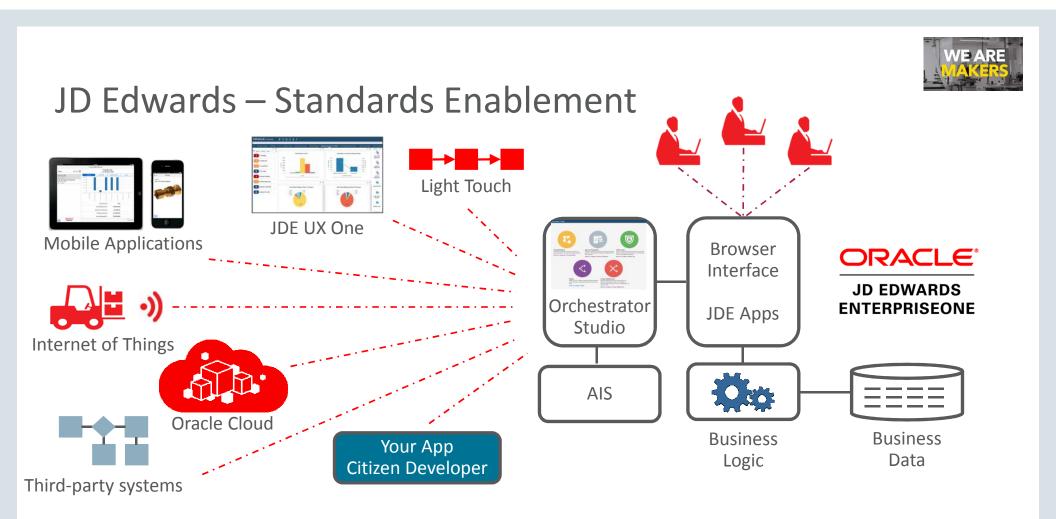
- Personalization
- Orchestration
- Rest API Integration





Enablement Framework





111410 - Discover the Awesome Power of JD Edwards Orchestrator & AIS Wednesday 2:30-3:30 Mandalay Bay Ballroom K



JD Edwards EnterpriseOne Orchestrator

Continuous Stream of Enhancements

2015

2016

2017

New!

2018

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

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

- Studio 6.0.2
- 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

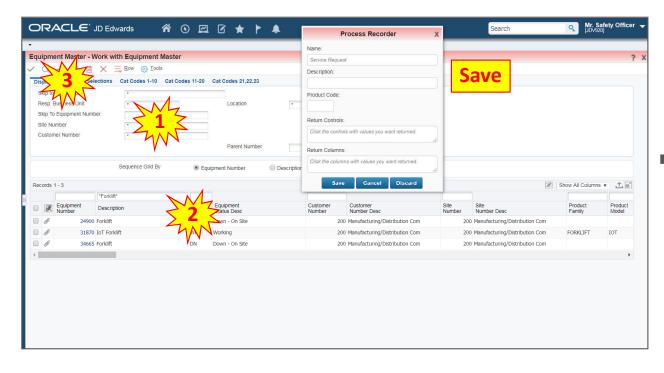
- Studio 6.1.0
- Process Recorder
- Report as a Step
- File Transfer
- Confirmed Completions
- Studio Enhancements
- Resilient Scheduler
- Assigned Subscriptions
- Resilient Scheduler



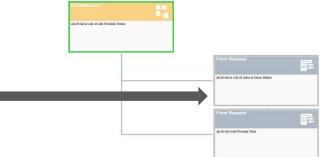
New with Tools 9.2.2.4 and Orchestrator Studio 6.1.0

Orchestrator What's New

Process Recorder



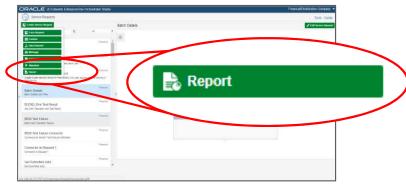
Orchestration: Look Up Equipment



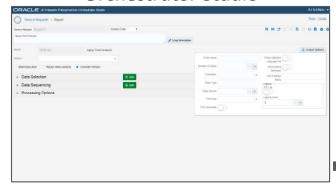
Orchestrator What's New

Report as an Orchestration Step & File Transfer

Orchestrator Studio



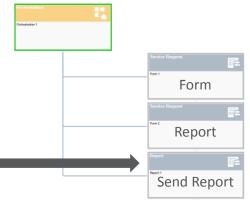
Orchestrator Studio



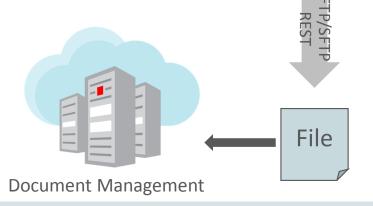
Orchestration: Print Report

New with Tools 9.2.2.4 and

Orchestrator Studio 6.1.0



- Data Selection
- Processing Options



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Notifications

- Keep workers in touch and informed about critical events even when they are away or not signed on to EnterpriseOne
- Detect important events or conditions based on JDE business data or external systems
- Send custom messages and application links to subscribers via the EnterpriseOne user interface, Work Center, or e-mail
 - Low inventory
 - Shipment arriving
 - Equipment down
 - Any JDE data. Any external data





New with Tools 9.2.2.4 Available with Apps 9.1 and 9.2

Notifications: Assigned Subscriptions



Business Analyst



Business Analyst / Admin

Publishes Notification (UDO)



Assigner

Assigns Subscriptions

to Roles



Subscribers by Role

Accepts/Opts Out/Overrides

Defines Notification



111400 - JD Edwards Notifications: Under the Hood Tuesday 11:00-12:00 Lagoon I

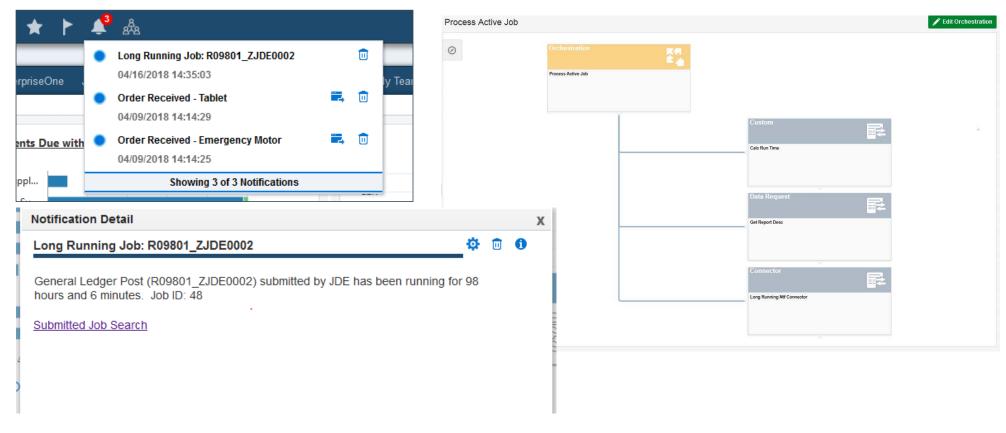






Notifications for Long Running UBE





System Admin Enablement Framework



Service Enablement of Server Manager

WE ARE

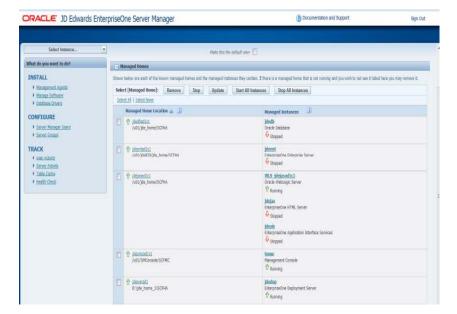


Foundation for Future Simplifications

- What:
 - Server Manager is already equipped with provisioning, monitoring and management capabilities
 - Introduced a REST Enablement layer in Server Manager to expose these functionalities as REST APIs

• Why:

- Enable automation of common tasks
- Expose SM functionality to other tools
- Leverage standard based orchestration tools
- Common Tech SIG Request
- How:
 - REST APIs for:
 - Provisioning
 - Configurations (ini)
 - Monitoring
 - Change Management (Tools Patching)



111260 - Hidden Gems in JD Edwards Server Manager Monday 4:15-5:15 Lagoon F



EnterpriseOne Health Checks from Server Manager



• What:

Automated health monitoring capability to improve the availability and reliability of JD Edwards

EnterpriseOne servers

REST API enablement for Health Checks

• Why:

- Enable automated assessment of existing
 JD Edwards EnterpriseOne environments
- Leverage in other End to End automation

• How:

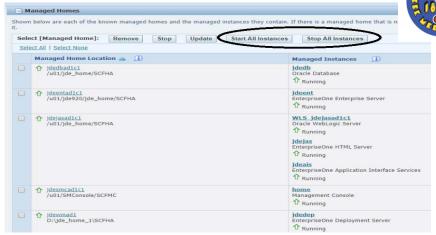
- Introduced Health Checks via
 - Enhanced Server Manager functionality
 - Enhanced Server Manager UI
 - Enabled REST APIs for health checks

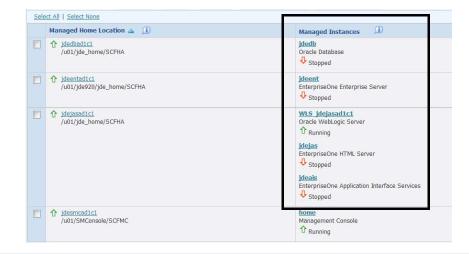


Start All and Stop All managed instances

Key Features

- Ability to Start All and Stop All EnterpriseOne Managed Instances with single button click
- Supported EOne servers (Listed in the order they stop)
 - All Web servers (HTML, AIS, BSSV, RTE)
 - Enterprise Servers
 - Database Servers
- Start All occurs in reverse order of Stop All
- Functionality available as REST APIs

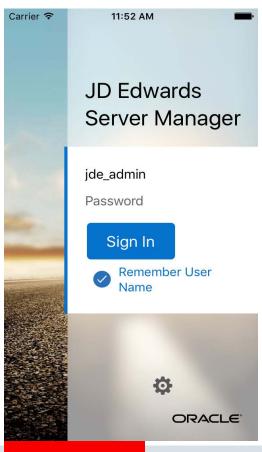


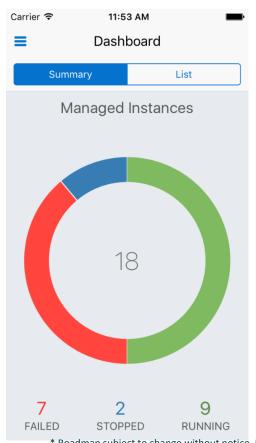




Mobile Server Manager

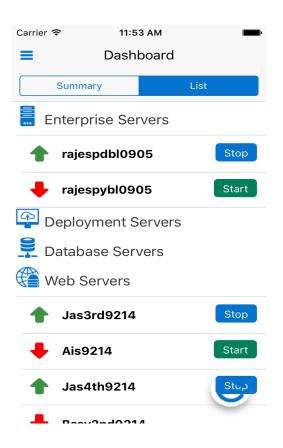
Usage of SMC Rest API to build Oracle JET mobile application







Research



^{*} Roadmap subject to change without notice. Its intended for information purposes and may not be incorporated into a contract.

Oracle Cloud: Complete, Integrated, Open









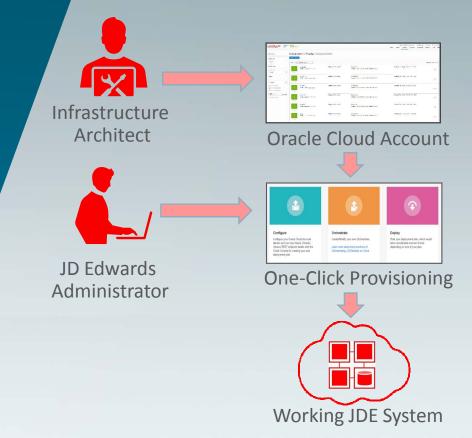




All Clouds are not the same

Unique benefits of moving JD Edwards to Oracle Cloud Infrastructure

- Automated provisioning
- Patch-current deployment
- Identical functionality on-premise and in the Cloud
- Utilities to migrate data and customizations
- End-to-end testing
- Broad portfolio of complementary PaaS and SaaS
- Single vendor for support
- Reference Architecture*
- Automated High Availability*



*Roadmap

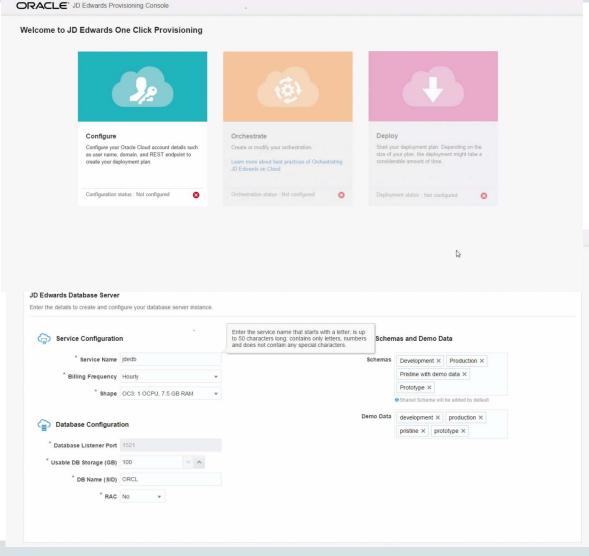


One Click Provisioning

- Simple UI
- Provision all JDE Servers
- Enter minimal information
- Reduces expertise
- Provision in hours not days/weeks

111370 - JD Edwards on Oracle Cloud Service Tuesday 11:00-12:00 Lagoon J

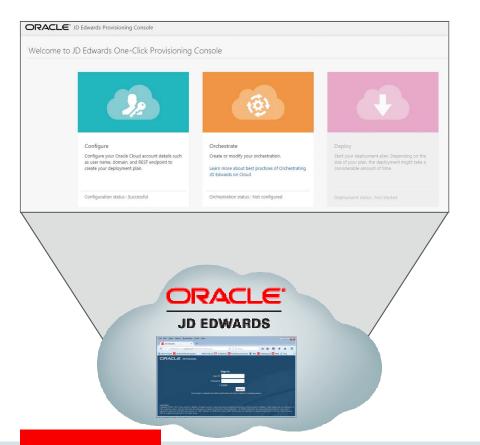
111300 - Oracle Cloud Infrastructure: A Platform and a Path to Cloud for JD Edwards Wednesday 8:30-9:30 Lagoon J





JD Edwards One-Click Provisioning for Microsoft Stack





What

 Simplified, automated provisioning of JD Edwards EnterpriseOne to Oracle Cloud Infrastructure for Microsoft Stack

Why

- Bring the benefits of Cloud to JD Edwards
- To reduce time, skill, and complexity to deploy JD Edwards EnterpriseOne to Oracle Cloud

How

- Microsoft Windows OS for all server Component
- Support Microsoft SQL Server and Oracle DB
- Utilities for Lift and Shift

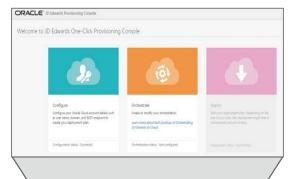


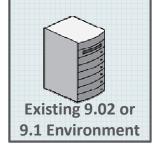
Move and Improve

Code Current Target



OCI/On-Premise









Code Current 9.2 Environment (Provisioned by One Click)

- Support on OCI & On-Premise
- Support for Oracle Red Stack Only (Linux/Oracle DB)
- One-Click Provisioned Instance as base for 9.2 Upgrade
- No need to Update (Apps ESUs & Tools Release) as Part of Upgrade
- Utility to Extract & Import
- Move to Cloud and Upgrade to 9.2 as a single process



Move and Improve

Simplified Upgrade on One-Click Provisioned Target

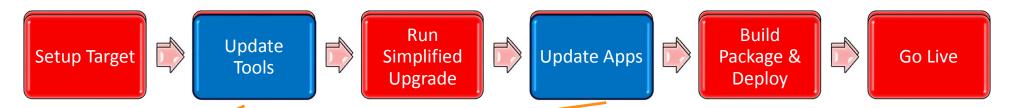
Simplified Upgrade



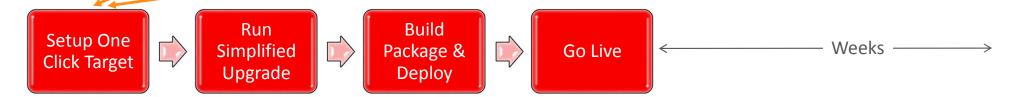
- Files to the DB
- ASI, Platform Packs

Apps

- 2000+ ESUs
- 18+ Pages of Special Instructions



Simplified Upgrade on One-Click Provisioned Target



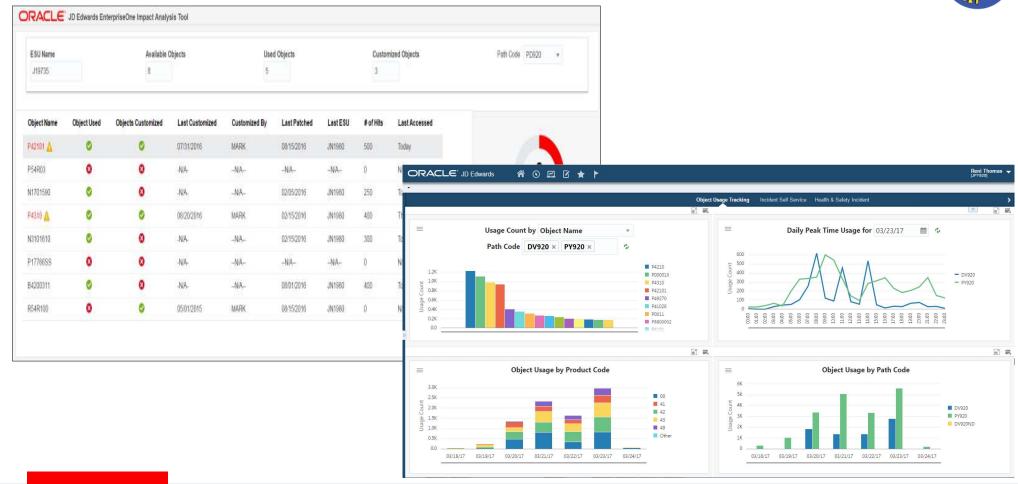
Reduce cost, effort & risk to take updates and stay code current

111240 - Upgrading to 9.2 is Easy Wednesday 9:45-10:45 Lagoon H



Object Tracking and Impact Analysis



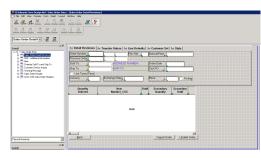


Extensibility Framework



Extensibility Frameworks







Costly Development

Costly Maintenance

Costly Upgrades







- ✓ Agility on the glass
- ✓ Reduced Customization
- ✓ Extend EnterpriseOne

Traditional Customization Process Customizes JDE Objects Challenges: System JD Edwards Administrator Development Delayed Time to Client Developer market Check-in Objects Rework Retrofitting Available to Users Barrier to Continuous Adoption System Administrator **Business** Validate Package Build & Analyst Deploy ORACLE"

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Extensibility Framework Process







On the Glass

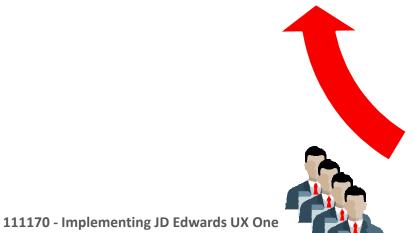


Share





Immediately Solve Business Problems









No Impact in an Upgrade/Patch

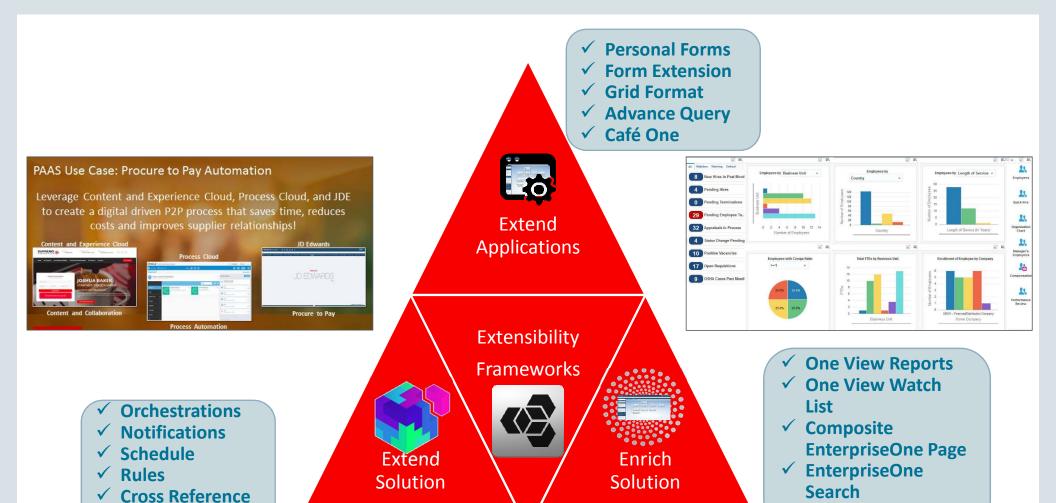
Enables Continuous Adoption



Available to Users

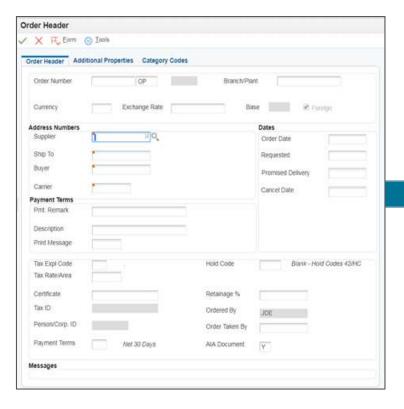


Tuesday 1:15-2:15 Lagoon H

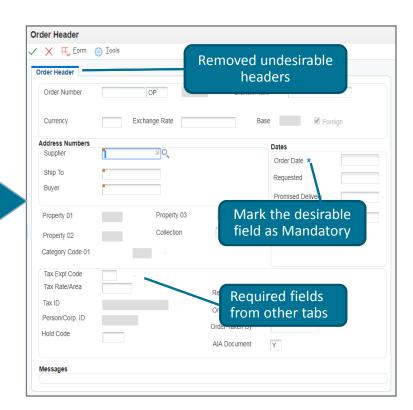


Real World Example – Purchase Order Entry





- ✓ Reduced Complexity
- ✓ Retire Customizations
- ✓ Simplified Data Entry
- ✓ Personalize on the glass





Adding Business view column on Forms

Simple to Extend – Simple to Personalize

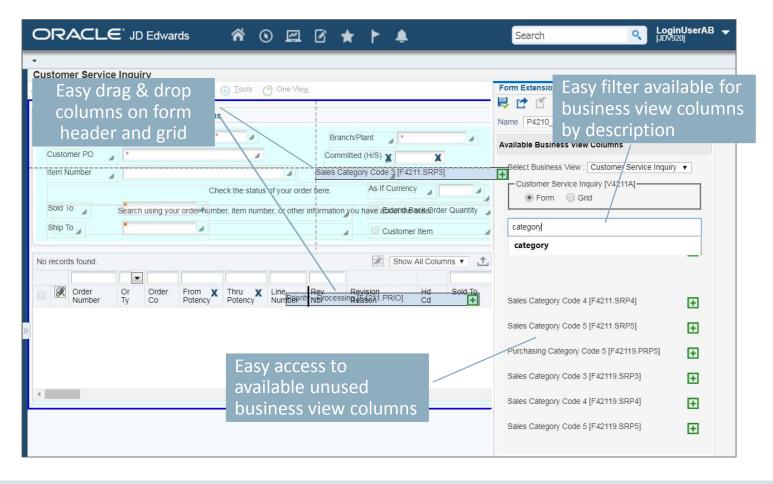


Citizen Developer



forms

✓ Simple to consume new information on other frameworks





Personalization of Exists



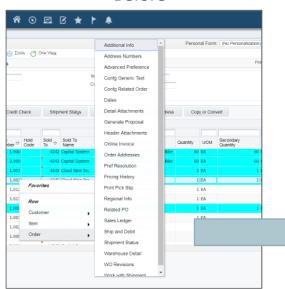


Citizen Developer

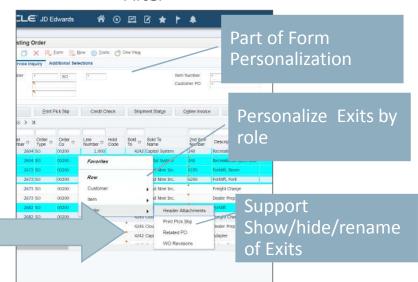


- Greatly improves Navigation
- 2. Reduces Complexity

Before



After





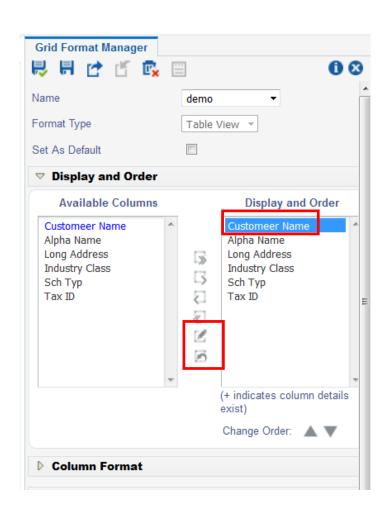


Grid Labels



Citizen Developer

- 1. Override the labels defined in FDA
- 2. Reduce the number of customizations





User Defined Objects Management











111270 - User Defined Objects Tuesday 1:45-2:45 Lagoon I



Challenge – InFocus Ideathon

- Personalization
- Orchestration
- Rest API Integration





Improving the Foundation



Tools 9.2.2.x Platform Summary

Recent Retired Planned * Retiring *

Operating Systems	Oracle Linux 6.1+, 7.0+; Red Hat Enterprise Linux 6.1+, 7.0+ Oracle Solaris 10; 11.3, HP-UX 11.31 IBM AIX 7.1, 7.2; IBM i 7.1, 7.2, 7.3 Microsoft Windows Server 2012, 2012R2, 2016 Microsoft Windows 7, 8.1, 10 (Dev & Web client only)	Retiring *
Databases	Oracle 11g R2 (11.2.0.4), 12.1.0.2 (including In-Memory Option), 12.2.0.1, Next version IBM DB2 for i, IBM DB2 10.5 (Windows, AIX only) Microsoft SQL Server 2012, 2014, 2016, Next version	
Application Servers	Oracle WebLogic Server 10.3.6, 12.1.3, 12.2.1.x IBM WebSphere Application Server 7.0.0.x, 8.5.5.x, 9.0.0.x	
Portals	Oracle WebCenter 11g 11.1.1.9, IBM WebSphere Portal 8.5.5.x	
Browsers	Microsoft Internet Explorer 11, Edge 20, 38 +, Google Chrome 61, 64 + Firefox ESR 45 , 52, Next version (Win/Mac), Safari on iPad (iOS 10, 11)	
Mobile	Apple iOS 9, 10, Mac OS 10.10, 10.11, Android 7 Oracle MAF 2.4, 2.5	

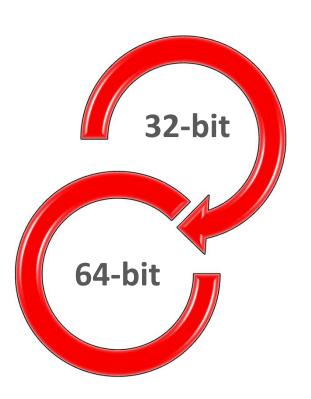
[•] The above plan is intended to outline our general product direction. It is intended for information purposes only, and may not be incorporated into any contract.



Updated version of Platform Statement of Direction (SoD) is available here – MOS Document ID 749393.1

Oracle JD Edwards Enablement for 64-bit Processing





Advantages of 64-bit

- Enables future technology adoption and future innovation
- Vendors are delivering only 64 bit components
- Enables the continuous code line for JD Edwards EnterpriseOne 9.2

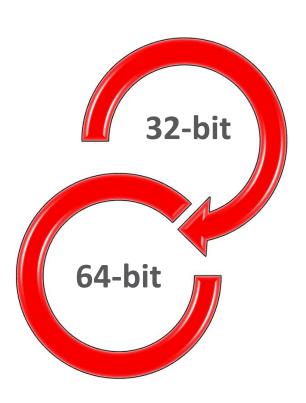
What will be 64-bit enabled

- 64 Bit Foundation for Enterprise Server, Deployment Server & dev client
- HTML, AIS, BSSV, RTE already support 64-bit
- JDE already supports 64-bit hardware, OS, DB, middleware
- Tools Updates will deliver both 32-bit and 64-bit foundation
- Application
 - Apps 9.2 32 and 64 bit
 - Apps 9.0 and 9.1 32 bit



Oracle JD Edwards Enablement for 64-bit Processing





Maintain Choice and Control

- No impact to no business configuration and business processes
- No impact to spec based customizations
- Utility to assist with the conversion of C business functions
- Choice and control on when to enable

When to enable

- As part of an upgrade to Apps 9.2
- When moving to the latest Tools Update
- Part of your continuous adoption strategy
- Driven by technology and business requirements



Feature Retirement



- Workflow Modeler (64 Bit Foundation)
- Unified Logon on Windows Server
- JDBNET



Autonomous ERP

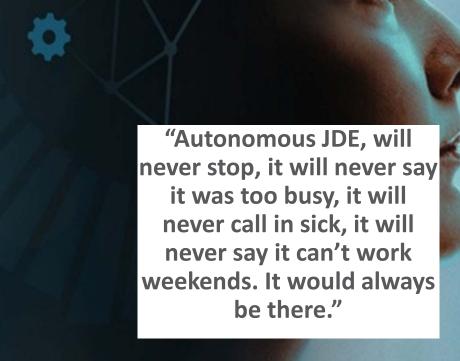
The future is not far away . . .





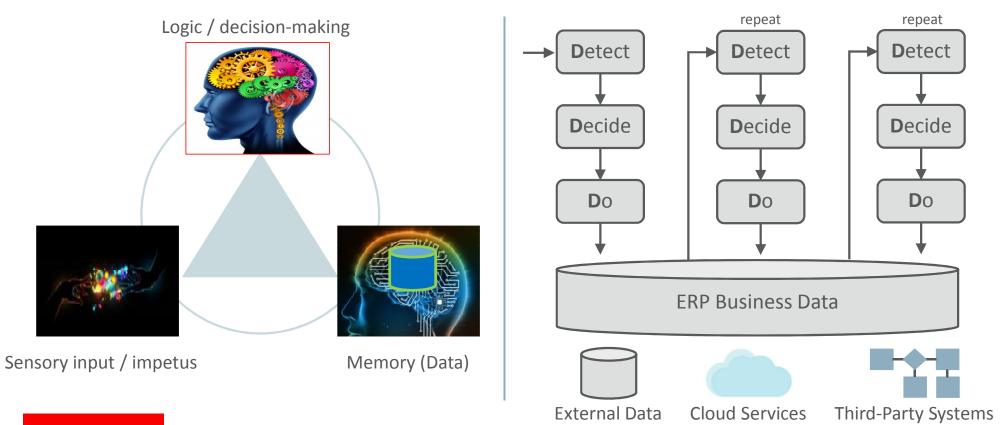






Research

Autonomous ERP needs: Detect \rightarrow Decide \rightarrow Do (D-D-D)

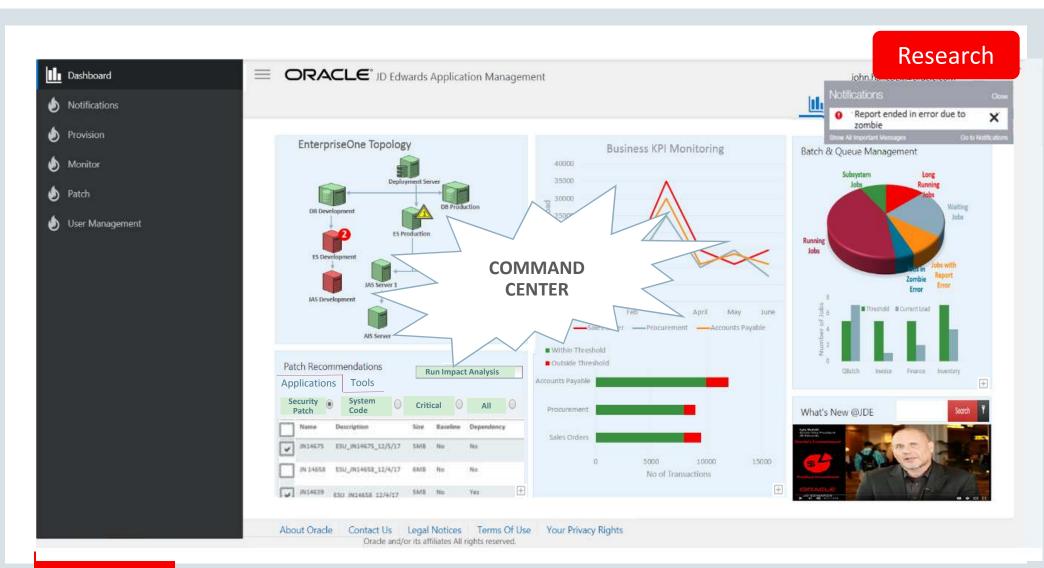


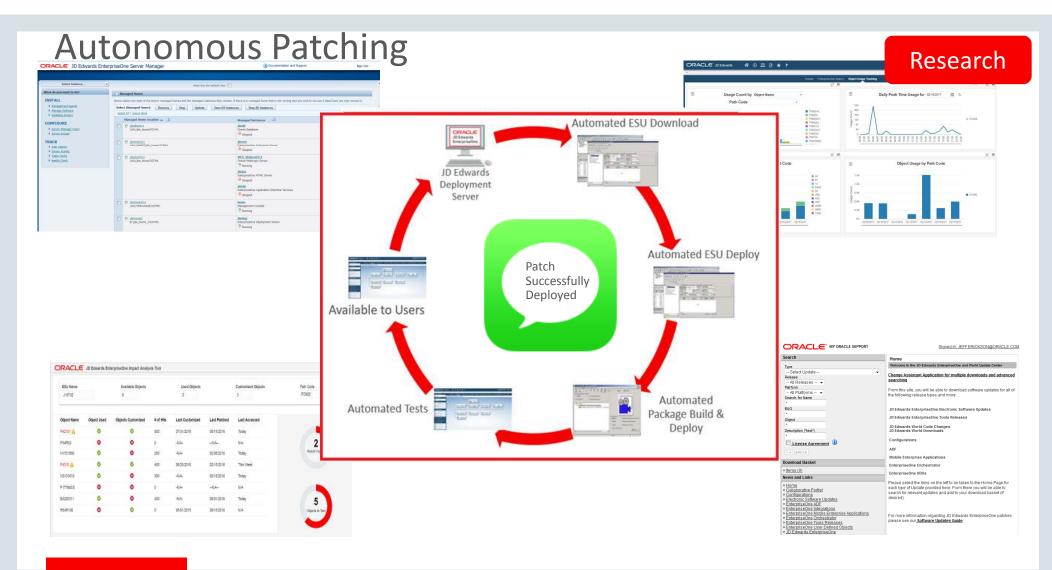


Digital Transformation Vision: Automatic & Autonomic











Integrated Cloud

Applications & Platform Services



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