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Safe Harbor

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.

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The Arc of ERP Technology

High 4 **ERP Supervised ERP Digital Platform ERP** Automation Robotic Process **Traditional ERP Automation** Natural Language Mobile Interaction Internet of Things Assisted Decision Collaboration making Orchestrator Transactional Cloud System of record Data warehouse Low

Intelligent

- Machine Learning
- Assisted or Automated **Decision making**
- Adaptive Intelligence



Machine Intelligence

High



Low

Evolutionary Vision and Continuous Enhancements

Big Data – Information strategy Mobility – Real time access from anywhere

Machines – Connect your machines to your business processes User Experience – Remove friction from user and act on rich enterprise data

Process Automation –
Turn repetitive tasks
over to automation

Next Big Thing

2014

2015

2016

2017

2018

2019

- AIS Server
- Mobile Apps
- CafeOne
- In-Memory DB
- In-Memory Apps

- Watchlists
- Simplified Upgrade
- IoT

- Orchestrator Studio
- Cloud Automation
- UX One
- E1 Search
- Page Composer

- Orchestrator Scheduler
- Form Personalization
- Notifications
- REST Services for Sys Admin

- Process Recorder
- File Transfer
- Assigned Subscriptions
- App Extensibility

- Autonomous
- Elasticity

Database

Tools and Application Updates delivered multiple times each Calendar Year

- Rental Management
- Advanced Job Forecasting
- Real-time Financial Reconciliation
- Outbound Inventory Management
- Affordable Care Act
- Revenue Recognition
- Joint Venture Management
- Lease Management
- Order Activity Rules for Manufacturing



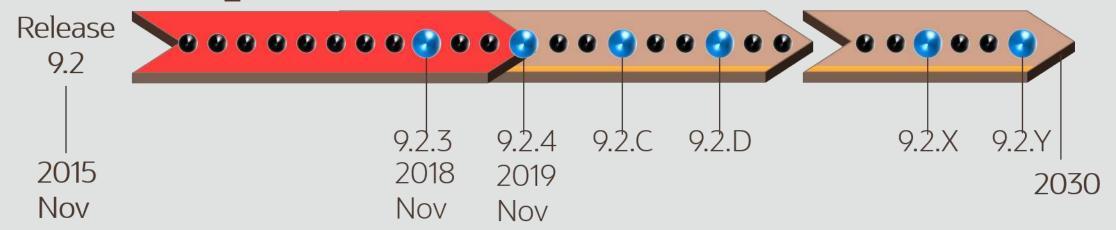


- Enables customers to transform their business processes
- Automate manual tasks eliminating errors and streamlining processes
- Extend the enterprise to mobile workers, field staff, machines, and suppliers
- YOUR digital solutions that YOUR business requires

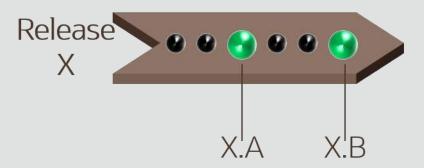
JD Edwards EnterpriseOne Product

Planned

Reviewed Annually for Extension

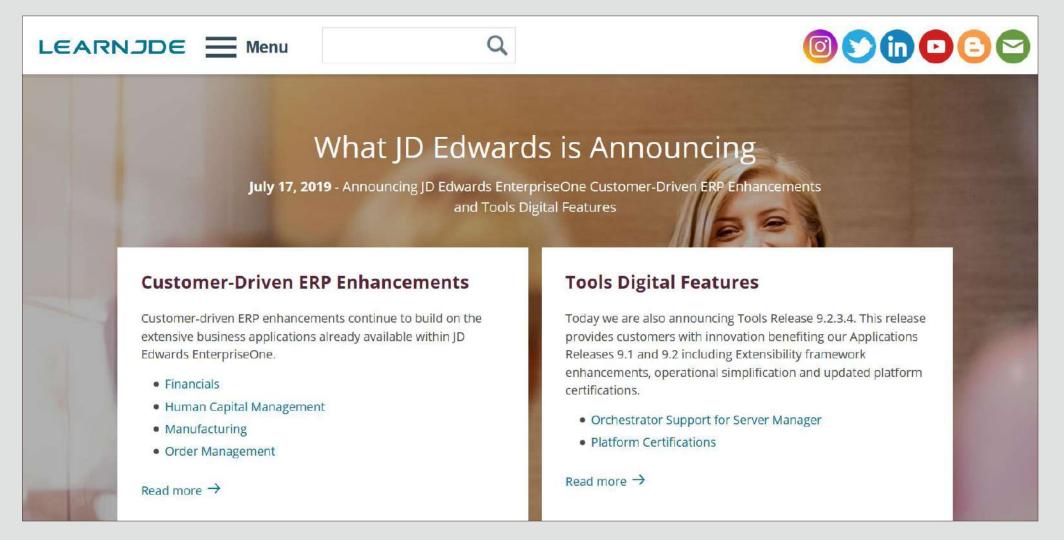


- Feature Packs
- Updates
- 🚱 Future Code Line



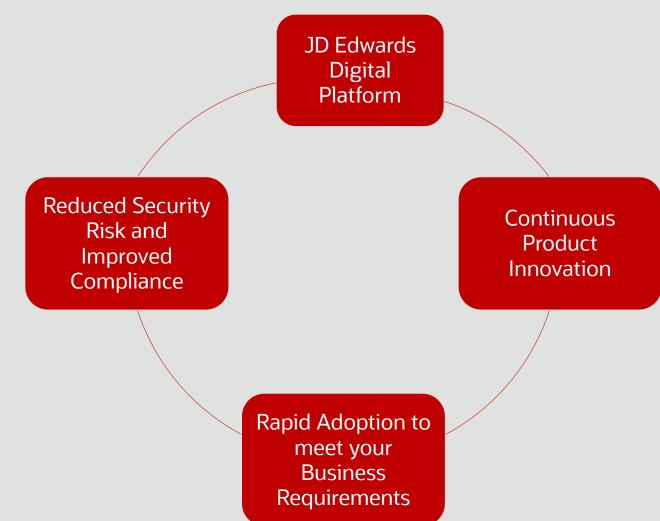
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JD Edwards Product Announcements – LearnJDE.com to Learn More



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



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



- Improved end user performance from Oracle infrastructure
- 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
- Credibility with line of business sets a courses for organizational success





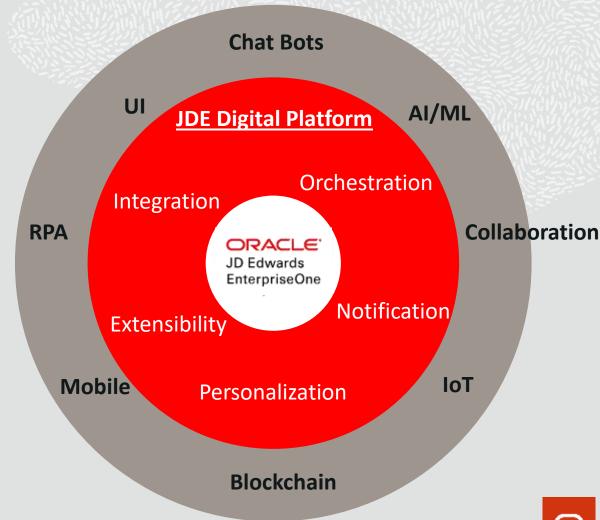
Operational Simplification



JD Edwards Digital Business Enablers

Transform Your Processes with Digital Technologies

- Build digital capabilities into your processes
- Automation of manual tasks
- Eliminate errors
- Streamline processes
- Extend enterprise to mobile workers, field staff, machines, and suppliers







- Process automation
- User interface (mobile)
- Real-time machine to machine data (IoT)
- Cloud Integration (SaaS, PaaS)
- Third Party Integrations
- Emerging technologies

Varo Energy Orchestrating Customer Fuel When and Where they Need It

Key Drivers

- Manual processes, digital goal
- Unaware of fleet location
- Reactive for predictive maintenance
- Inefficient manpower scheduling



- Uses IoT devices to track geolocation of 1,000+ rail cars throughout Europe
- Uses UX One to display location and status of rail cars
- Collects data every 5 minutes for 1,000+ assets; 30,000 transactions per day
- Uses Orchestrator to collect and record data into EnterpriseOne Capital Asset Management
- Near real-time visibility; better planning, analytics

EnterpriseOne Notifications

- Stay Connected and Act Fast
- Stay informed even when not signed on to EnterpriseOne
 - Low inventory
 - Shipment arriving
 - Equipment down
- Notifications sent to subscribers via multiple methods
- Available for EnterpriseOne data or external systems







Orchestrator Process Automation of Routine Business Activities

Available Now

- Save user's time so they can focus on more important tasks
- Reduce human error
- Improved data quality
- Remove friction in business process cycles
- Reduce IT spend

User has an idea to automate a task





Automate the task using modern tools



Robotic Process Automation

Efficiency, Accuracy, Timeliness











Stanley Engineered Fastening Automating Financial Transactions

Key Drivers

- Eliminate manual entries sent from the divisions via spreadsheet
- Reduce manual uploads to the divisional financial systems

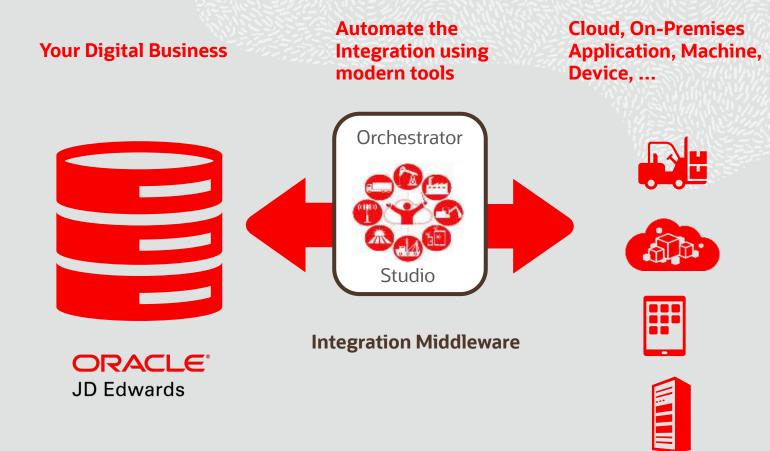


- Automation Anywhere used to create Bots to replace this manual work
- The Finance Robotics Process Automation Team automated the process leveraging the JD Edwards Orchestrator
- No longer manually entering financial data
- Large and tedious data inputs done in a matter of minutes

Orchestrator Real-Time Integration of Critical Business Data

Available Now

- 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



Lutron Orchestrating Bright Ideas

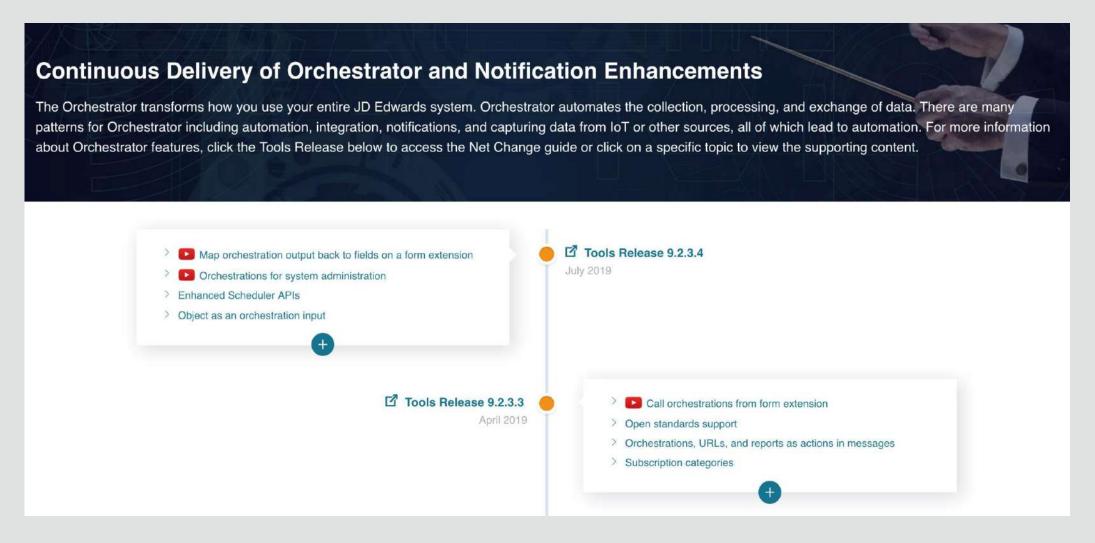
Key Drivers

- Rapidly growing business
- IT ability to be responsive to organization changes
- Automate and streamline with less dependency on staff and improved accuracy



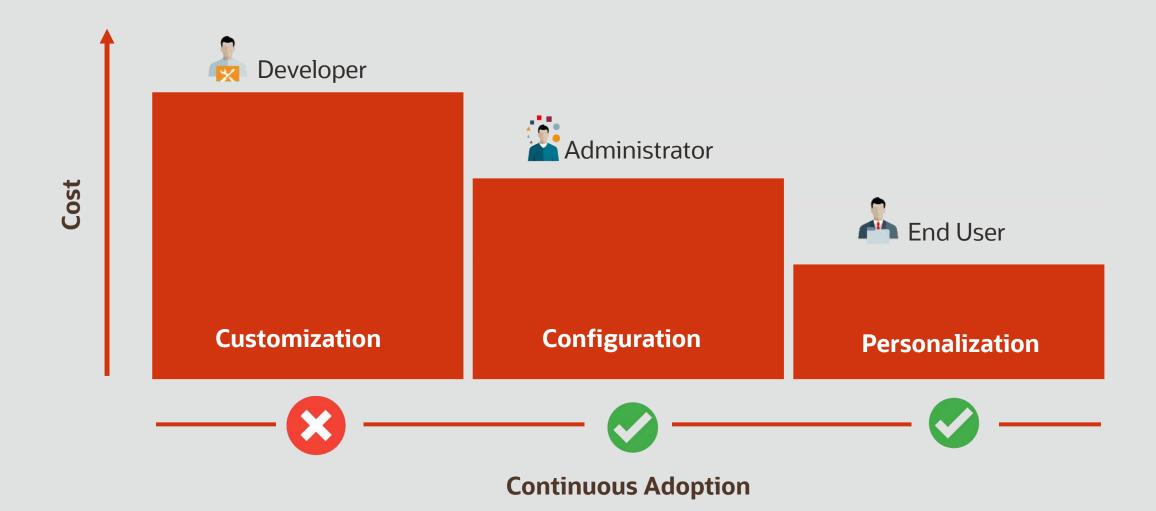
- New approach to integrations using Orchestrator
- Leveraged Orchestrator to setup new businesses
- Automation of Company Setup, creating Company Business Units, new Chart of Accounts, Branch Plant and Item Branch takes minutes instead of hours
- Dashboard utilizing E1 Pages easily launches automations

Orchestrator Timeline on LearnJDE.com





Getting to Vanilla by Eliminating Customizations



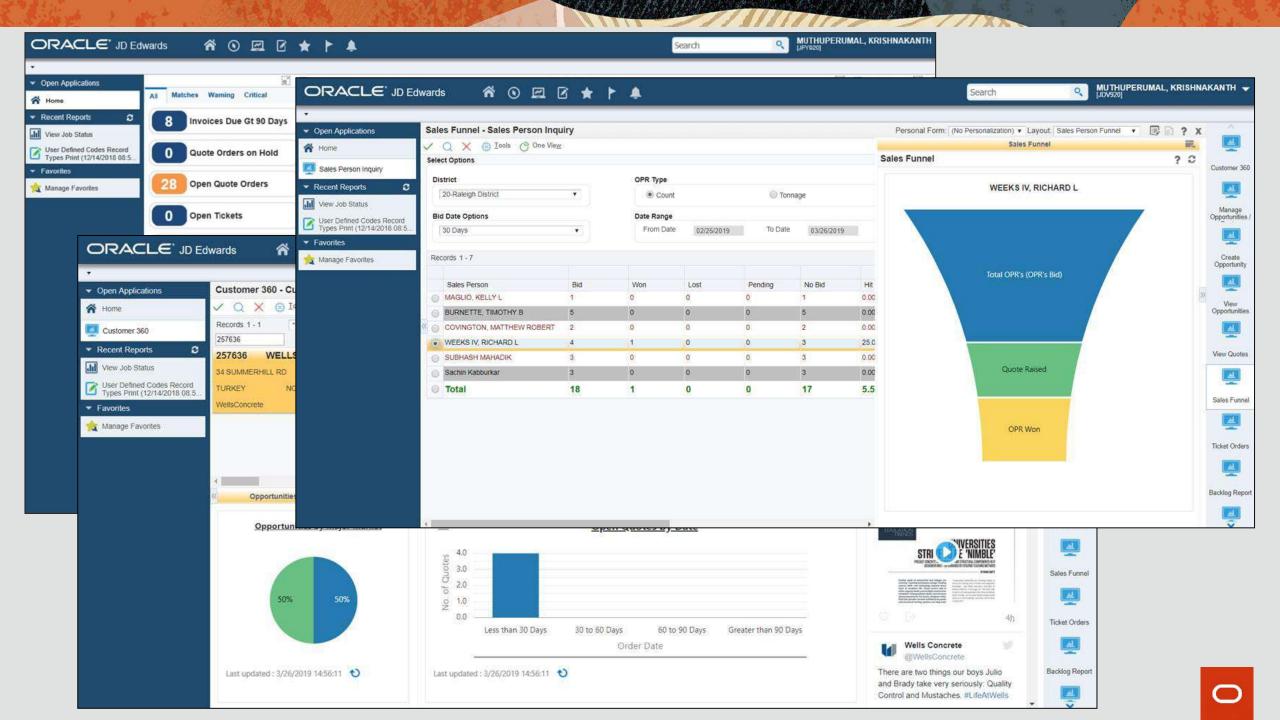
Roy Jorgensen Associates **Eliminating Mods for Continuous Adoption of 9.2 Features**

Key Drivers

- Reduce customizations
- Access to all the latest fixes
- Take advantage of new 9.2 features



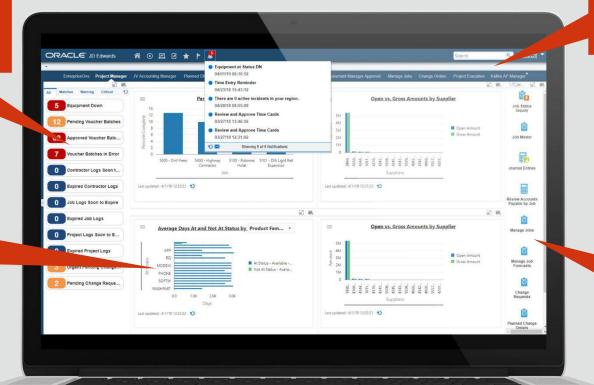
- New paradigm no customizations
- Customization Object Analyzer used to research customizations
- UX One and Personalization framework used to eliminate modifications
- Will adopt incremental updates from JD Edwards annually
- Continuous adoption reduces risk of disruption to business



EnterpriseOne Modern User Experience Digital Representation of Your Strategic Data

Alert users to the most important tasks

Graphical display to provide more intuitive insight



User Experience personalized to engage your business users

Easy **drill down** to access applications to take action



UX One – A Modern User Experience

Personalization Framework

- Query Manager
- One View
- CafeOne
- Watchlists
- Composed Pages
- Personalization
- List View
- EnterpriseOne Search
- Orchestrator Studio
- Form Extension
- Notifications





Noel Alimentaria S.A.U Improves User Experience with JD Edwards UX One

Spain

Key Drivers

- Improve work efficiency & productivity
- Optimize daily tasks
- Improve decision making capability



Solution & Results

- EnterpriseOne 9.2 UX One
- UX One design paradigm 'Alert-Analyze-Act'
- Work roles and customization options allow end users to optimize their daily tasks in an easier and more productive way
- Create final solutions using the configuration and customization tools provided by UX One, without the need for programming

<u>Ex</u>: generation of automatic alerts for the anticipation of expiration of production batches addressed to the user responsible for this management



Expand your Use of 9.2 Product Capabilities

- Comprehensive industry end to end business solutions
- Increase the business value out of your investment
- Leverage customer driven feedback in your industry
- Eliminate
 customizations or
 3rd parties solutions



Edwards Lifesciences Compliant with FASB Lease Accounting Standards

Key Drivers

- Compliance with the new FASB accounting standards for Lease Accounting by January 2019
- Avoid manually tracking all leases



- Achieved January 2019 goal for compliance with the new FASB accounting standards
- Users rapidly adopted easy-to-use features UDO's,
 Springboard, Composite Pages, UX One (Alert/Analyze/Act)
- Plan to implement Notifications and Orchestration for Lease Approval

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

CRM CPQ Service **ERP**

Accounting Hub

Project Portfolio Management

Procurement

Purchasing for Indirect Procurement

EPM

Enterprise
Planning and
Budgeting
Enterprise
Performance
Reporting
Financial

Consolidatio

n and Close

SCM

In-Memory
Cost Mgmt
Transportation
Management
Global
Trade
Management
Supply Chain
Planning

HCM

Global Human Resources Recruiting Learning

Wagstaff, Inc.

Streamlines HR Processes with Oracle HCM

Key Drivers

- Disparate HR systems that lacked leading practices
- Manual processes & lack of cohesion between systems
- No Employees self-service capabilities and the ability to submit information on the go.

Compliance requirements by HR, met with great difficulty

wag/taff.



Solution & Results

- EnterpriseOne 9.2, Oracle HCM Cloud
- Streamlined disparate recruiting, onboarding and talent processes onto a single platform
- Improved employee experience with their HR system
- 25% reduction in HR specialists administrative tasks freed up for employee engagement

"By restructuring our processes and systems [Oracle HCM Cloud], thus far we have saved at least 25 percent of our time, which translates to over \$1.5 million on the bottom line."

-Wade Larson, Chief Human Resources Officer, Wagstaff

Glesby Marks Transformation with Content & Experience Cloud and CPQ

Key Drivers

- Duplicate manual processes across sales, leasing and accounting groups
- Master Data spread across multiple systems



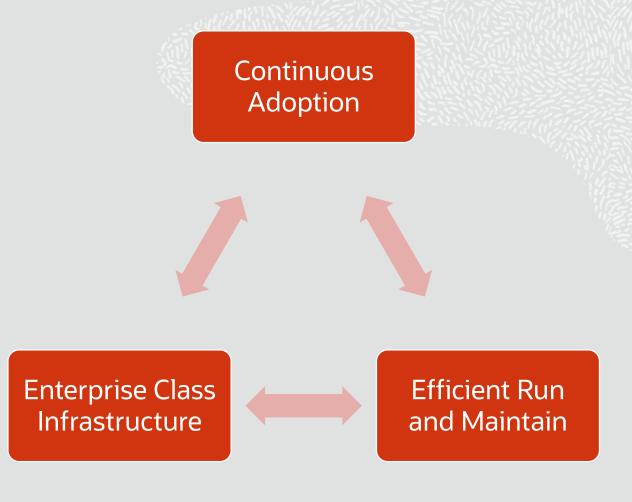
- Seamless flow from sales to lease processing to billing provides opportunities for revenue
- CPQ generates proposal in PDF based on updated Sales rep information on price, cost, tax and insurance
- Credit department gets workflow message from CPQ to approve lease document
- Customer electronically signs the lease which is made available in CPQ and portal
- Minimized error, higher consistency and business agility
- Customers can monitor, configure and replace with new fleet and also take action on maintenance and recall alerts from the portal

Operational Simplification



Simplify and Automate the Management of JD Edwards

- Lower your costs to administer JD Edwards EnterpriseOne
- Automate common tasks
- Proactive system administration
- Reduce the need for specialized administrative skill set





Simplify and Automate the Management of JD Edwards

Available NOW and Planned

Continuous Adoption

Available Now

- Simplified Upgrade
- Object Usage Tracking
- De-Customizer Report

Planned

- Automated De-Customizer
- JDE Patching Simplification
- Assisted Validation

Enterprise Class Infrastructure

Available Now

- OCI Reference Architecture
- Auto Provisioning
- OCI Terraform Infrastructure

Planned

- Reference Architecture –
 Elasticity
- White Paper Elasticity & Containers
- Autonomous Database

Efficient Run and Maintain

Available Now

- User Defined Object Management
- Server Manager Rest APIs
- System Health Checks

Planned

- Dev Client Simplification
- System self monitoring
- Elastic Batch Processing





Move and Improve your JD Edwards Infrastructure with OCI

- Reference Architecture published for JDE best practice
- Automated infrastructure provisioning
- Latest 9.2 release (code current) provisioned with One-Click provisioning
- Automation utility to extract & Import on-premises configuration and data
- Move to Cloud and Upgrade to 9.2 as a single process

Your Digital Business



JD Edwards
On-Premise

Tools to Automate the Migration

Your Digital Business (in the Oracle Cloud)

Infrastructure Provisioning
One-Click Provisioning

Cloud Migration Utilities
Simplified Upgrade



JD Edwards
Oracle Cloud



Circle K Reduces OPEX costs with JD Edwards on OCI

Norway

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, Requirement Planning & Human Resources
- 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

Elastic Infrastructure for JD Edwards

Planned

Elasticity is your system's ability to balance your ever changing processing requirements against the system resources needed to manage your workloads.



JDE on OCI Elasticity

- Pay for what you use!
- Workload Driven
 - OCI Auto-scaling
- Autonomous DB
- JDE Server Elasticity
 - Docker Containers for Quick Spin up/down



Oracle Autonomous Database for JD Edwards

Let the Database Do the Work

Planned

Data Management Challenges

- Manual provisioning and maintenance increases time to market
- Patching, scaling requires downtime impacts business momentum
- Data security, privacy and integrity affects brand reputation
- Limited data, different data sources causes lost revenue opportunities







Save on Human Labor

Automates database and infrastructure management, monitoring, tuning

Prevent Human Error

Protects from both external attacks and malicious internal users

No Human Intervention

Protects from all downtime including planned maintenance



Summary and Call to Action

Simplified Upgrade

Reference Architecture FASB

Mobile Applications Oracle Cloud Infrastructure

Lease Management Notifications

Applications 9.2.3 Orchestrator Server Manager

Localizations Joint Venture Management

UX One 64-bit Processing Tools 9.2.3

Human Capital Management Personalization
Platform Certifications IASB



Martin Marietta Enhancing User Experience with Role-based Forms

Key Drivers

 Enhance the overall User experience by replacing disparate CRM systems



Solution & Results

- UX One composite pages for Sales Manager and Sales Reproles leveraging Watchlists
- JET based E1 Pages with Springboard
- Customer CRM application leveraging Cafe One, E1 Pages and integration with social media
- Integration with Google API's for geocode locations and to calculate distance between locations
- Orchestrations to invoke third party REST APIs to return fuel price

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

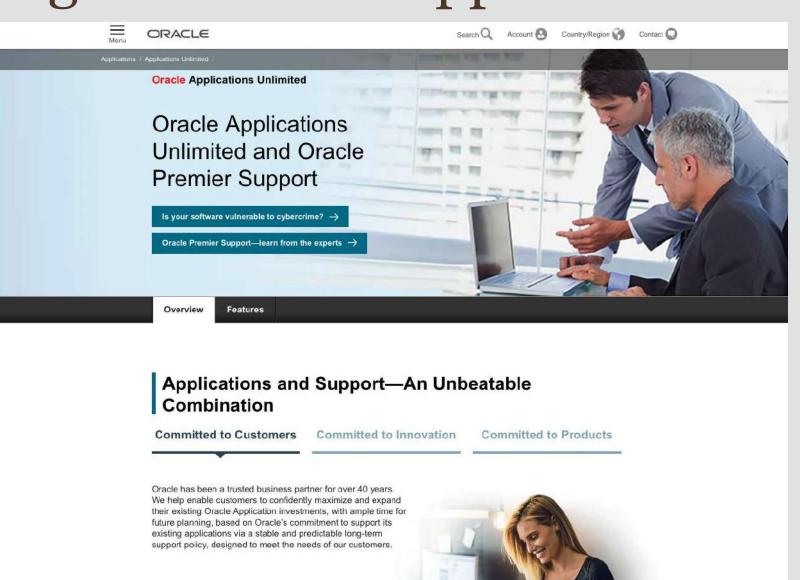
- > 9.0 to 9.2 upgrade
- > Used Simplified Upgrade
- > 3,500 users and 7 manufacturing locations globally
- > Implemented Lease Management
- Exploring E1 pages
- Researching One View Reporting
- > Implementing Mobility



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