JD Edwards EnterpriseOne Mobile Solution Strategy

Solution Overview
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.
Mobile Evolution and Challenges
Oracle Mobile
The Heart of Digital Transformation
The World Has Gone Mobile

As consumer engagement swells, so too does IT and marketing budgets and attention.

150x
Number of times consumers check their mobile devices a day

79%
Smartphone owners use their mobile devices to buy products or services

300%
Faster growth for m-commerce than eCommerce

$636B
Goldman Sachs’s m-commerce sales estimate for 2018
By 2017, 50% of today’s deployed mobile enterprise apps will be completely rewritten or replaced.

By 2018, more than 50% of B2E mobile apps will be created by enterprise business analysts with codeless tools.

By 2020, lightweight Web & mobile-style app integration will completely displace traditional approaches.

Source: Gartner Presentation, The Current and Future State of Mobility, Van L. Baker, Jason Wong, August 2015
Enterprise Mobile Challenges

**Time to Market**
- Customer experience – user expectations are high
- Actionable insights
- Technology evolving at consumer pace /Speed of continuous releases

**Total Cost Of Ownership**
- Normalizing mobile parts
- Agility & Business partnership
- Managing Mobile Portfolio ROI

**Mobile Data Loss & Breaches**
- Application Security
- Managing user identity
- Content security

**Complexity**
- Multi OS / Multi Device
- Mobile App Integration
- User identity management
JD Edwards Mobility Today
JD Edwards Mobile Strategy
Improving Business Results and the Complete Mobile Lifecycle With Low TCO

Accelerate Business Execution

Support Overall Mobile Strategy

Take action at the point of process

DEVELOP
INTEGRATE
ANALYZE
SECURE
MANAGE

ORACLE
CLOUD PLATFORM
MOBILE
JD Edwards EnterpriseOne Mobile Solution

**MOBILE APPLICATIONS**
- 85+ Out of the Box Apps
- Apps 9.1 & 9.2
- Integrates through AIS

**MOBILE EVERYWHERE**
- Run Any E1 Application
- Use Browser or Container
- Access Device Capabilities

**MOBILE DEVELOPMENT**
- Mobile Application Framework
- Extend Packaged Applications
- Build Custom Applications
Common Features for all Mobile Applications

• iOS and Android Standards
• Navigation
• Searching and Filters
• Primary and Secondary Actions
• Application Tabs
• Springboard

• Device Integration
  – Maps
  – Phone
  – Photos
  – Contacts
  – URLs

• Available from App Store & Google Play
JD Edwards EnterpriseOne Mobile Enterprise Applications

Fit for Purpose and Role Based

**Solutions Available Today**
- Equipment Maintenance
- Field Service
- Purchasing & Expense Approvals
- Order Management
- Health & Safety
- Contact Lookups
- Project Management
- Inventory and Order Inquiries
- Financial Batch Approvals
- Custom Development
- Disconnected – My Work Orders
- Locate Customer Equipment
JD Edwards Mobile Applications

Asset Lifecycle Management

• Create Work Order
• Equipment Work Order Time Entry
• Manage Equipment
• Manage My Work Orders
• Manage My Work Orders - Disconnected
• Review Team Work Orders
• Template Meter Readings
• Condition-Based Maintenance Alerts
JD Edwards Mobile Applications

Customer Relationship Management

- Create Service Orders
- Manage Cases
- Manage Customer Equipment (includes Location Features)
- Manage My Service Orders
- Quick Case Entry
- Review Cases
- Review Team Service Orders
- Service Order Time Entry
JD Edwards Mobile Applications

Financial Management

- Contact Customer
- Contact Supplier
- Customer Account Overview
- Expense Approval
- Expense Entry
- G/L Batch Approvals
- Invoice Batch Approvals
- Payment Batch Approvals
- Receipt Batch Approvals
- Voucher Batch Approvals
JD Edwards Mobile Applications

Health and Safety Management

- Health and Safety Scoreboard
- Report an Incident
JD Edwards Mobile Applications

Human Capital Management

• Contact Employee
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Project Management

- Change Request Approvals
- Change Request Entry
- Field Account Progress Entry
- Field Progress Equipment
- Field Progress Entry
- Field Progress Labor Entry
- Field Status Review
- Job Progress Entry
- Manage Cost Code Schedule
- Project Status Review
JD Edwards Mobile Applications

Supply Chain Management and Manufacturing

- Customer Order Overview
- Inventory Availability
- Product Price and Availability
- Quote Review and Release
- Sales Held Order Release
- Sales Order Counts
- Order Entry
- Search Sales Order
- Warehouse Availability
JD Edwards Mobile Applications

Supply Management

- Purchase Order Approval
- Requisition Self Service Approvals
Mobile Development
IT: Having a Hard Time Keeping Up

- The solution – empower business users to build mobile apps
- Reduces the delay in answering user needs
- IT can concentrate on producing reusable assets for business users or further extend those apps
Oracle Client Development Tools

• **MOBILE** Application Framework (MAF)
  - BUILD ONCE **RUN** ANYWHERE
  - LEVERAGE **JAVA / JAVASCRIPT** SKILLS
  - BUILT IN ENTERPRISE GRADE SECURITY
  - MODULAR & EXTENSIBLE APPLICATIONS
  - SECURE OFFLINE OPERATIONS

• Mobile Application Accelerator (MAX)
  - BROWSER BASED DEVELOPMENT
  - NO CODING REQUIRED
  - EASILY MAP TO BUSINESS SERVICES
  - PREVIEW APP IN LINE
  - EDIT, TEST, AND PUBLISH FROM BROWSER

LEVERAGE JAVA / JAVASCRIPT SKILLS
MODULAR & EXTENSIBLE APPLICATIONS
SECURE OFFLINE OPERATIONS

BROWSER BASED DEVELOPMENT
NO CODING REQUIRED
EASILY MAP TO BUSINESS SERVICES
PREVIEW APP IN LINE
EDIT, TEST, AND PUBLISH FROM BROWSER
Extend Mobile Applications
What can I change?

- Application Icons
- Home/Splash Screen
- Branding Images
- Custom skins
- Format, Move, Hide Data
- Add New Pages
- End User License Agreement
Mobile Application Framework and Application Interface Services

Simple Architecture & Deployment

Mobile Application Framework (Native App)

Application Interface Services (AIS)

REST Web Service

Silent App Launch

Managed via Server Manager

JD Edwards EnterpriseOne Tools Release 9.1 and 9.2
Oracle Continues to Simplify Enterprise Mobility - MAX

MAX - Codeless Tool for the Business Analyst

- BROWSER BASED DEVELOPMENT
- NO CODING REQUIRED
- EASILY MAP TO BUSINESS SERVICES
- PREVIEW APP IN LINE
- EDIT, TEST, AND PUBLISH FROM BROWSER
JD Edwards EnterpriseOne Mobile Access
JD Edwards EnterpriseOne Mobile Access

New SKU

- **JD Edwards EnterpriseOne Mobile Access**
  - For users who only use mobile applications
  - Allows usage of all mobile applications currently available
  - Also includes access to custom built mobile applications
  - Includes a license for Core Tools & Technology and System Foundation
- **Not necessary** for products that are licensed for all employees:
  - Human Resource Management
  - Payroll
  - Time and Labor
  - Health & Safety Incident Management
- **Not necessary** when users are already licensed for associated modules either through component or enterprise pricing

esource.oraclecorp.com
JD Edwards EnterpriseOne Mobile Access

Business Value

• Makes it easy to license new users who only need access to mobile applications

• You don’t have to worry about trying to figure out all of the products that need to be licensed if the user doesn’t need to access the backend web applications

• Can be more affordable than licensing products a la carte

esource.oraclecorp.com
License Options for Mobile Applications

• Component or Enterprise:
  • Feature of an existing product
  • To access that feature a user needs a license to that product
• Mobile Access
  • New SKU
  • Mobile-only users
  • Access to all mobile applications only
# Mapping of JD Edwards Mobile Applications to Products

<table>
<thead>
<tr>
<th>Product</th>
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<td>JD Edwards EnterpriseOne Capital Asset Management</td>
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<td>JD Edwards EnterpriseOne Financials</td>
<td>Customer Account Overview&lt;br&gt;GL Batch Approvals&lt;br&gt;Invoice Batch Approvals&lt;br&gt;Payment Batch Approvals&lt;br&gt;Receipt Batch Approvals&lt;br&gt;Voucher Batch Approvals</td>
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Mobile Cloud Service for JD Edwards

Field Service Solution

Value Proposition

- Improve data accuracy and timeliness
- Reduce reliance on back office personnel
- Insight with mobile analytics about usage
- Special Field Tech user license for access to JD Edwards

Target

- Mobile only user
- Customer field service or equipment field maintenance
NEW: Mobile Field Service with JD Edwards

• Customer Requirements for Typical Field Service apps
  – JD Edwards Integration with schedule and dispatch (e.g. Oracle TOA) data
  – Dynamic scheduling integrated with real time push notification
  – Remote operations requiring effective offline usage of mobile application
  – Enhance with Mobile First functionality (location services)
  – Build in Analytics for real time insights
  – Customized flow and business processes

• Solution bundle co developed with Oracle MCS & JD Edwards Team

• Special Field Tech user license for access to JD Edwards
JD Edwards Mobility in the Future
Oracle Mobile Platform: Simplifies Enterprise Mobility

Build & Deliver Mobile Apps with Seamless, Secure Access to Mission-Critical Data

Custom Mobile Apps

Packaged Mobile Apps

Partner Built Mobile Apps

DEVELOP

INTEGRATE

ANALYZE

SECURE

MANAGE

CLOUD PLATFORM
MOBILE
Oracle Mobile Cloud Platform

Mobile App Frameworks for Java and JavaScript

Mobile Application Framework

JavaScript Enterprise Toolkit

Enterprise Grade MBaaS
Mobile API Catalog, Security, Services, Analytics

Mobile Cloud Service

No Code Mobile Application Composer

Mobile Application Accelerator
Mobile Cloud Service
Making Mobile Simple

• Client Tool Agnostic
• Open & Standards based – Node.JS
• Integration Services
• API Shaping Services & Catalog
• Enterprise Identity Federation (SSO)
• Built-in Mobile Services
• Transaction analysis & Diagnostics
• Mobile Analytics
• Built in life cycle management
Mobile Cloud Service for JD Edwards

Field Service Solution

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Steps to Digital Transformation

Equipment Maintenance Scenario: Getting Closer to Where the Action Is

Create Condition Based Maintenance Alert
Update Equipment Location

Complete Work Orders
Update Equipment Status & Location

Summary

JD Edwards Mobile Platform Strategy:
• Goes “beyond” providing mobile applications.
• Helps customers accelerate and improve business results.
• Enables customers to mobilize users as easily and affordably as possible.
• Enables customers to develop, extend, and deploy their own mobile apps.
• Provides opportunity for customers to leverage Oracle’s Mobile Platform and Mobile Cloud Service for a comprehensive, forward-thinking overall enterprise mobile strategy.
• Offers different licensing options based on the customer’s mobility needs.
• New Mobile Field Service with JD Edwards MCS bundle available!
Integrated Cloud
Applications & Platform Services