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

300%
Faster growth for m-commerce than eCommerce

$636B
Goldman Sach’s m-commerce sales estimate for 2018

79%
Smartphone owners use their mobile devices to buy products or services
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                      |
|---------------------------------|---------------------------------|
| **Business**                    | **IT**                          |
| **Time to Market**              | **Total Cost Of Ownership**     |
| • Customer experience – user    | • Normalizing mobile parts       |
|   expectations are high         | • Agility & business partnership|
| • Actionable insights          | • Managing mobile portfolio ROI  |
| • Technology evolving at        |                                  |
|   consumer pace/Speed of        |                                  |
|   continuous releases           |                                  |
| **IT Security**                 | **Developers Architects**       |
| **Mobile Data Loss & Breaches**| **Complexity**                  |
| • Application security          | • Multi OS / Multi-device       |
| • Managing user identity        | • Mobile App integration        |
| • Content security              | • User identity management      |
JD Edwards Mobility Today

@OracleMobile
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
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
  - Barcode Scanning

- 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
- 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

Many users with mobile application demands
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
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 use only 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 back-end web applications
- Can be more affordable than licensing products a la carte
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>
<th>Mobile Applications Available for Product</th>
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</thead>
<tbody>
<tr>
<td>JD Edwards EnterpriseOne Capital Asset Management</td>
<td>Create Work Order</td>
</tr>
<tr>
<td></td>
<td>Equipment Work Order Time Entry</td>
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<tr>
<td></td>
<td>Manage Equipment</td>
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<td>Manage My Work Orders</td>
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<td>Manage My Work Orders Disconnected</td>
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<td>JD Edwards EnterpriseOne Capital Asset Management or Service Management</td>
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<td>JD Edwards EnterpriseOne Case Management</td>
<td>Manage My Cases</td>
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<td>Review Cases</td>
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<tr>
<td>JD Edwards EnterpriseOne Condition-Based Maintenance</td>
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<td>JD Edwards EnterpriseOne Expense Management</td>
<td>Expense Approval</td>
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<td>Expense Entry</td>
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<tr>
<td>JD Edwards EnterpriseOne Financials</td>
<td>Customer Account Overview</td>
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<td></td>
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Report an Incident                                                               |
| JD Edwards EnterpriseOne Inventory Management                 | Inventory Availability                                                        |
| JD Edwards EnterpriseOne Procurement and Subcontract Management | Purchase Order Approval                                                      |
|                                                              | Change Request Approval  
Change Request Entry  
Field Account Progress Entry  
Field Progress Entry  
Field Progress Equipment Entry  
Field Progress Labor Entry  
Field Status Review  
Job Progress Entry  
Manage Cost Code Schedule  
Project Status Review  
Project Time Entry |
| JD Edwards EnterpriseOne Project Costing                      | Requisition Self Service Approval                                             |
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
SECURE
MANAGE

CLOUD PLATFORM MOBILE

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Oracle Mobile Cloud Platform

Mobile App Frameworks for Java and JavaScript

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

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NEW!
Equipment Maintenance Scenario: Getting Closer to Where the Action Is

Steps to Digital Transformation

- Create Condition-Based Maintenance Alert
- Update Equipment Status & 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