

ORACLE®

Oracle WebLogic Server Management and Operations in Oracle E-Business Suite 12.2

September 28–
October 2, 2014
San Francisco

ORACLE
OPEN
WORLD

Mike Lehmann, VP Product Management
Oracle WebLogic Server
Tahir Ahmad, Sr. Director Technology Integration
Oracle E-Business Suite
September 30, 2014

ORACLE

Copyright © 2014, 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.

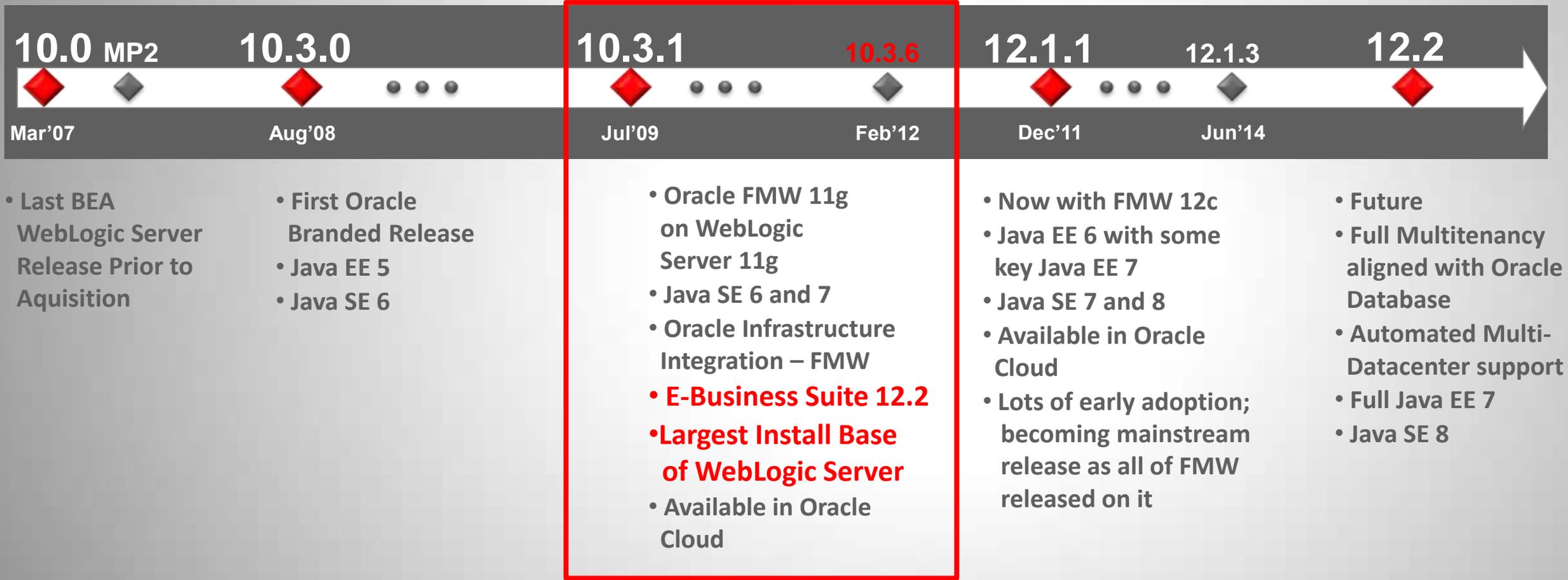
Program Agenda

- 1 WebLogic Server and E-Business Suite Overview
- 2 A Most Important Question
- 3 Leveraging Infrastructure – A Couple of Examples
- 4 E-Business Suite 12.2 on WebLogic – A Quick Glance
- 5 What is Next?
- 6 Another Most Important Question: ***What Do We Do Now?***

Program Agenda

- 1 WebLogic Server and E-Business Suite Overview
- 2 A Most Important Question
- 3 Leveraging Infrastructure – A Couple of Examples
- 4 E-Business Suite 12.2 on WebLogic – A Quick Glance
- 5 What is Next?
- 6 Another Most Important Question: *What Do We Do Now?*

Oracle WebLogic Server – Strategy and Roadmap



- Last BEA WebLogic Server Release Prior to Acquisition

- First Oracle Branded Release
- Java EE 5
- Java SE 6

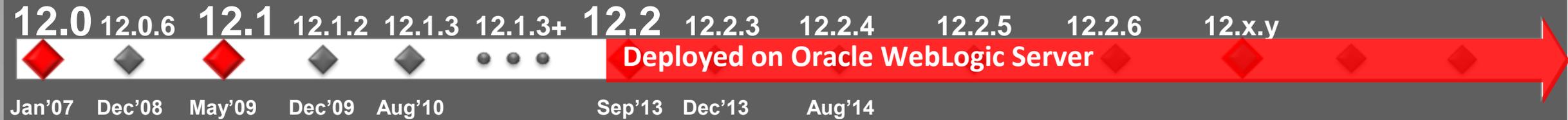
- Oracle FMW 11g on WebLogic Server 11g
- Java SE 6 and 7
- Oracle Infrastructure Integration – FMW
- **E-Business Suite 12.2**
- **Largest Install Base of WebLogic Server**
- Available in Oracle Cloud

- Now with FMW 12c
- Java EE 6 with some key Java EE 7
- Java SE 7 and 8
- Available in Oracle Cloud
- Lots of early adoption; becoming mainstream release as all of FMW released on it

- Future
- Full Multitenancy aligned with Oracle Database
- Automated Multi-Datacenter support
- Full Java EE 7
- Java SE 8

Oracle E-Business Suite – Strategy and Roadmap

Continuing Innovation



Ongoing Investment Priorities

1. User Experience Innovation
2. Functional Innovation
3. Operational Efficiency

New Releases For 12.1.3 & 12.2+

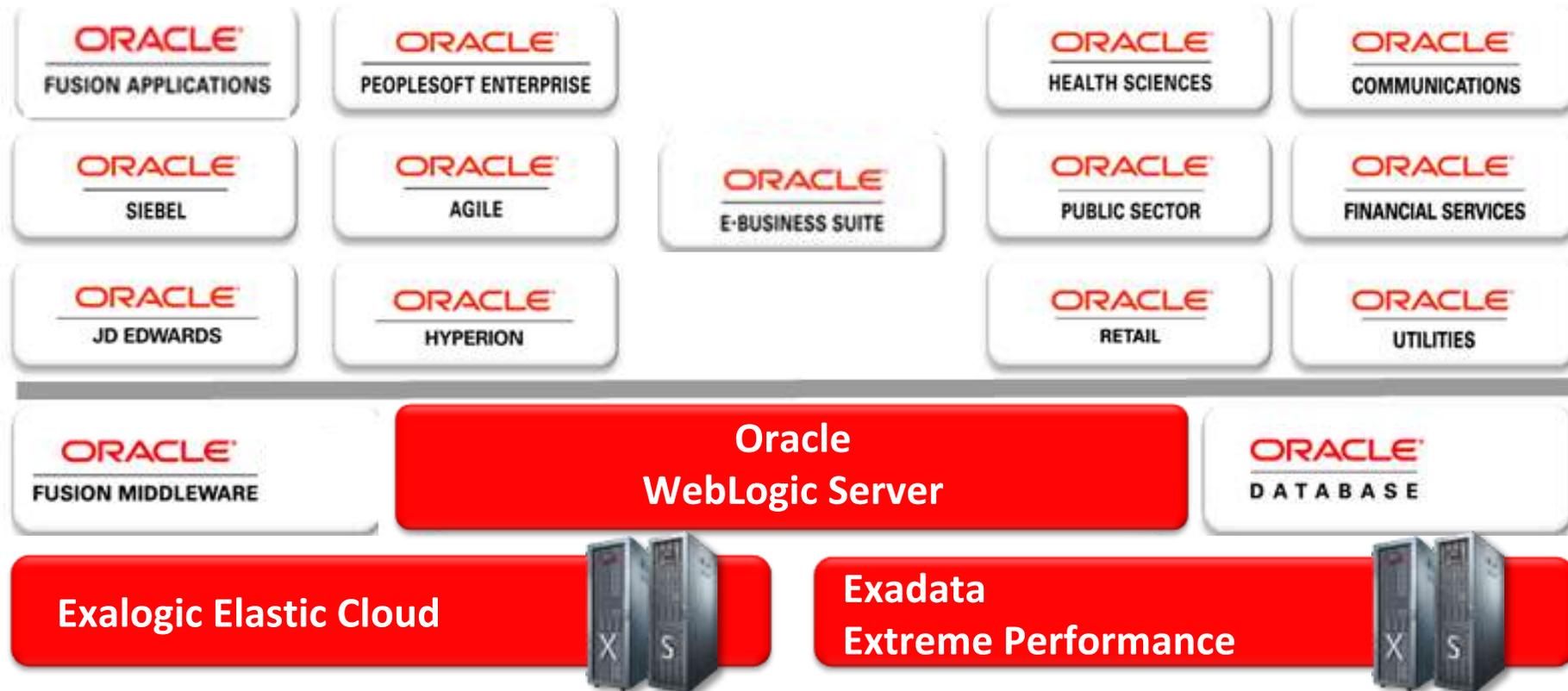
EBS Extensions for Oracle Endeca

Smartphone Applications

In-Memory Applications

Oracle WebLogic Server

Consistent Platform for Middleware and Applications



WebLogic Server Around Oracle E-Business Suite 12.1

Deployed on
Oracle WebLogic Server



WebLogic Server In and Around Oracle E-Business Suite 12.2

Deployed on
Oracle WebLogic Server

ORACLE®
FUSION MIDDLEWARE
DISCOVERER

ORACLE®
FUSION MIDDLEWARE
IDENTITY AND ACCESS
MANAGEMENT SUITE

ORACLE®
FUSION MIDDLEWARE
BUSINESS ACTIVITY
MONITORING

ORACLE®
FUSION MIDDLEWARE
BUSINESS INTELLIGENCE
ENTERPRISE EDITION

ORACLE®
FUSION MIDDLEWARE
DATA INTEGRATOR

ORACLE®
ENDECA

ORACLE®
FUSION MIDDLEWARE
WEBCENTER

ORACLE®
FUSION MIDDLEWARE
ESSBASE

ORACLE®
FUSION MIDDLEWARE
BPEL PROCESS MANAGER

ORACLE®
E-BUSINESS SUITE **12**

Exalogic Elastic Cloud



Exadata
Extreme Performance



Evolve and Coexist in Oracle Cloud



PROTECT

Benefits

- Modern Cloud Platform
- Stable operations with lower run & maintain costs and fewer Go-Live issues

Enabled by

- Certified Configuration
- Go-Live center



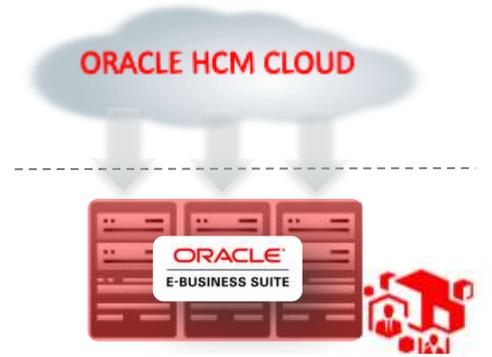
EVOLVE

Benefits

- Like for like or full functional upgrade to latest release
- Removed need to hire new expertise
- In-house IT focus on strategic work

Enabled by

- Power House
- CEMLI Analysis Automation
- Service delivery management



COEXIST

Benefits

- Integrate Oracle Cloud Solutions with EBS on Managed Cloud
- Transaction performance and SLA Management

Enabled by

- Managed Cloud Integrations
- Managed Cross-Cloud transaction monitoring

Oracle EBS HCM and Oracle HCM Cloud



On-Premise

ORACLE
E-BUSINESS SUITE

Human Resources
Advanced Benefits
Payroll

Time & Labor
Learning Management



Related Session

Oracle E-Business Suite and Oracle Cloud

Wednesday

Oct 1

CON6918 – Oracle E-Business Suite and Oracle Cloud: Practical Scenarios

MW-3004

10:15 am -
11:00 am

Nadia Bendjedou, Sr. Director, Product Strategy, Oracle

Program Agenda

- 1 WebLogic Server and E-Business Suite Overview
- 2 A Most Important Question
- 3 Leveraging Infrastructure – A Couple of Examples
- 4 E-Business Suite 12.2 on WebLogic – A Quick Glance
- 5 What is Next?
- 6 Another Most Important Question: *What Do We Do Now?*

Why WebLogic Server is Important?

Strategic for our customers

- Lifetime Support horizons
- Security
- Proven standards: Java Enterprise Edition
- Stay current with bug fixes and incremental improvements
- Reduce the time gap between innovation and business benefit

How we are trying to help

- FMW 11gR1 extended support: 2021
- Easier to deliver latest security fixes
- Cheaper to stay current with latest Java releases
- Certify latest available patch sets (FMW 11.1.1.7 already certified)
- Leverage technology to deliver innovative solutions (Engineered Systems, Cloud, Mobile, etc.) on a faster timeline

Why WebLogic Server is a Solid Infrastructure Choice for Running E-Business Suite?

RELIABLE

- Very *stable* and proven
- Supports enterprise class application deployments
- Used by vast *majority of Oracle middleware and business applications*

UNIFORM

- Supports Java SE/EE platform
- Highly consistent
- Allows for *sharing and re-using administrative expertise*
- *E-Business Suite is just like any other Java enterprise application*

POWERFUL

- Complex functionality is built on *simple concepts*
- *Easy to diagnose, debug, monitor and fine tune* complex systems
- *Automate* repeating tasks via *WebLogic Scripting Tool (WLST)*
- *Expert administrators can optimize everything*

Why Do Customers Care?

OPERATIONAL EFFICIENCY



Leveraging Innovation

Timely Support

Effective Administration



Program Agenda

- 1 WebLogic Server and E-Business Suite Overview
- 2 A Most Important Question
- 3 Leveraging Infrastructure – A Couple of Examples**
- 4 E-Business Suite 12.2 on WebLogic – A Quick Glance
- 5 What is Next?
- 6 Another Most Important Question: *What Do We Do Now?*

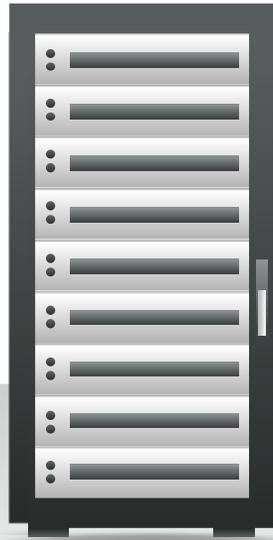
E-Business Suite Extensions for Endeca

- Maximize Operational Performance – “Better Decisions Faster”
 - Search across structured and unstructured data
 - Interactive visualization & intuitive analysis
- Improve Productivity
 - Integration with EBS applications enables users to quickly take action
 - Data mobility
- Optimize EBS ROI
 - Unlock insights in ERP data through information-driven user experience
 - Out-of-the-box EBS security and UI integrations



Oracle E-Business Suite Endeca Server

Handling More Data Much Faster



EBS DATABASE



EBS ENDECA



EBS APPLICATIONS

Oracle WebLogic Server

Oracle E-Business Suite Extensions for Oracle Endeca

Available Today



Receivables Payables Channel Revenue Management iProcurement Project Management Order Management

ERP

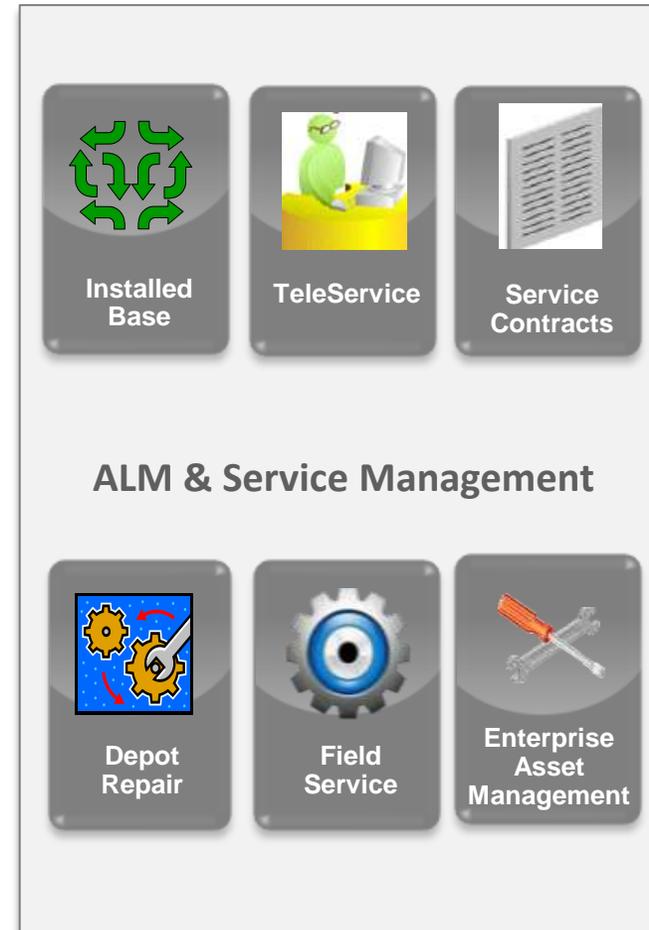
This block contains six icons representing ERP extensions: Receivables (a bag of coins), Payables (a green banknote), Channel Revenue Management (stacks of money), iProcurement (a shopping cart), Project Management (a blue notepad), and Order Management (a bar chart with an upward arrow).



Discrete Manufacturing Process Manufacturing Cost Management Inventory Warehouse Management Quality

SCM

This block contains six icons representing SCM extensions: Discrete Manufacturing (a blue building), Process Manufacturing (a glass globe), Cost Management (a truck and boxes), Inventory (a warehouse interior), Warehouse Management (a red truck), and Quality (a magnifying glass over a document).



Installed Base TeleService Service Contracts

ALM & Service Management

Depot Repair Field Service Enterprise Asset Management

This block contains six icons representing ALM & Service Management extensions: Installed Base (a green circular arrow), TeleService (a green person at a computer), Service Contracts (a document), Depot Repair (gears and a wrench), Field Service (a blue gear with an eye), and Enterprise Asset Management (a wrench and screwdriver).

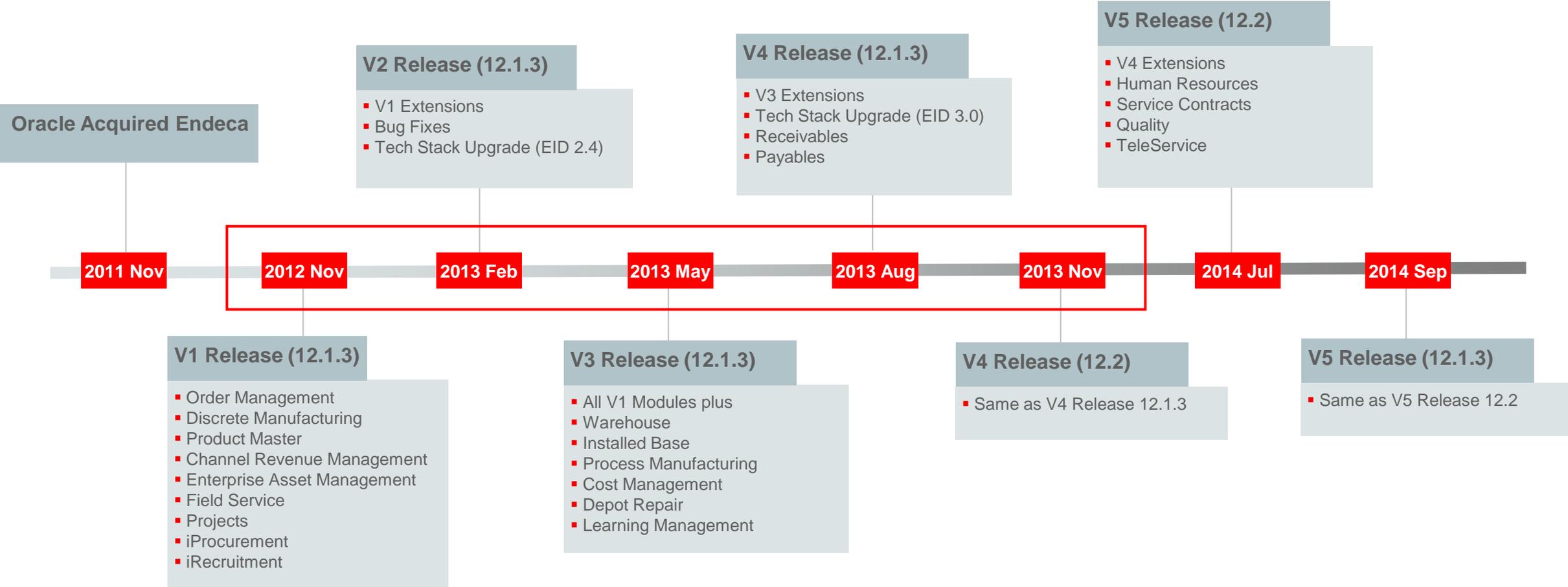


iRecruitment Learning Management Human Resources

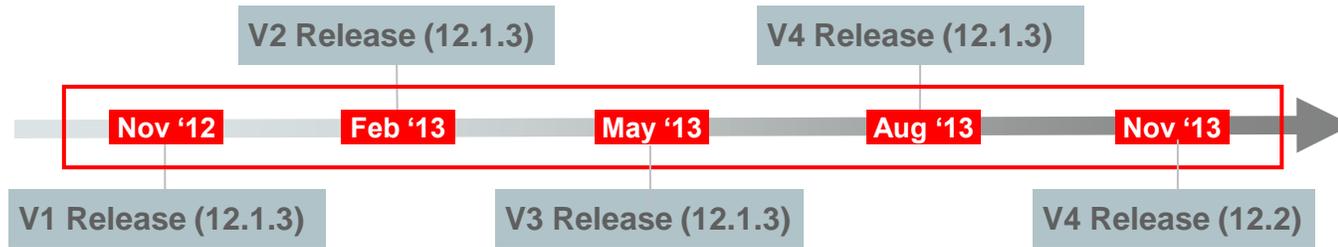
HCM

This block contains three icons representing HCM extensions: iRecruitment (a blue person icon), Learning Management (a blue person icon with a book), and Human Resources (a yellow person icon).

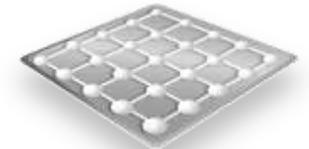
E-Business Suite Extensions for Endeca - Timeline



E-Business Suite Extensions for Endeca Leveraging Technology



- Rapid releases with increasing functional integrations
- Endeca enhanced to work on WebLogic Server
- E-Business Suite 12.2 deployed to WebLogic Server
- Available on Engineered Systems
- Available on E-Business Suite 12.1 and 12.2
- Accessible from desktops and mobile devices

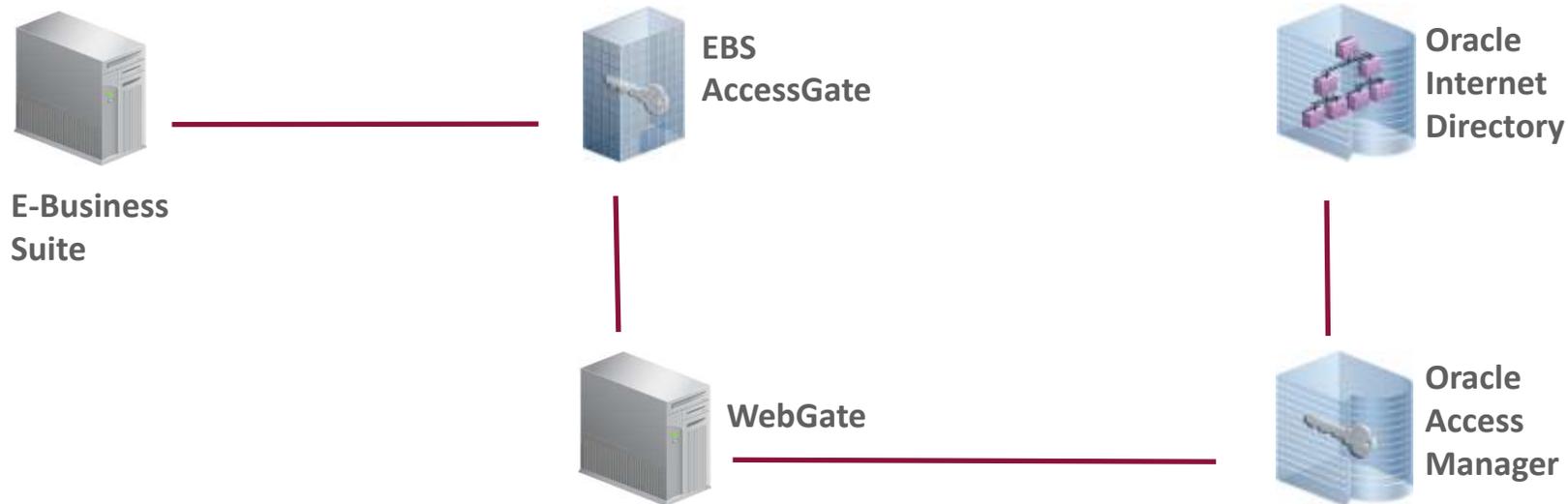


Related Sessions

Oracle E-Business Suite Extensions for Oracle Endeca

| | | |
|----------------------------|---|--------------------|
| Wednesday Oct 1 | MTE8519 – Meet the Oracle E-Business Suite Extensions for Oracle Endeca Experts | MW- Overlook 3C |
| 10:15 am - | Muhannad Obeidat, Sr. Director, Oracle | |
| 11:00 am | Ahmed Ali, Director, Oracle Anurag Malik, Director, Product Management, Oracle | |
| Wednesday Oct 1 | CON7514 – Top 10 Business Benefits of Oracle E-Business Suite’s Extensions for Oracle Endeca | MW-3006 |
| 4:45 pm - | Tony Brooks, Founding Partner, Kynergy Sarl | |
| 5:30 pm | Anurag Malik, Director, Product Management, Oracle | |

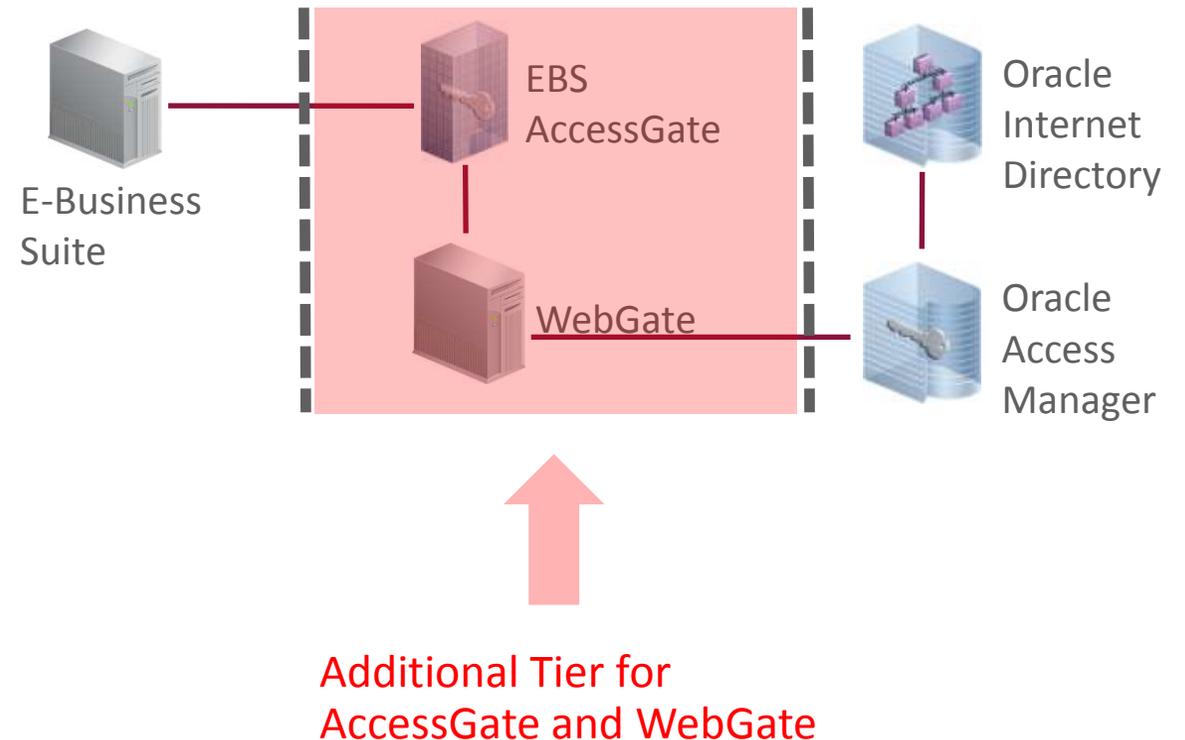
Enable Single Sign-On with Oracle Access Manager



- Protect E-Business Suite instances with Oracle Access Manager WebGate
- Single sign-on provides access to all partner applications, including E-Business Suite
- Log off from any one partner application to log off from all of them
- Support complex third-party single sign-on architectures

Administrative Challenges in E-Business Suite 12.1

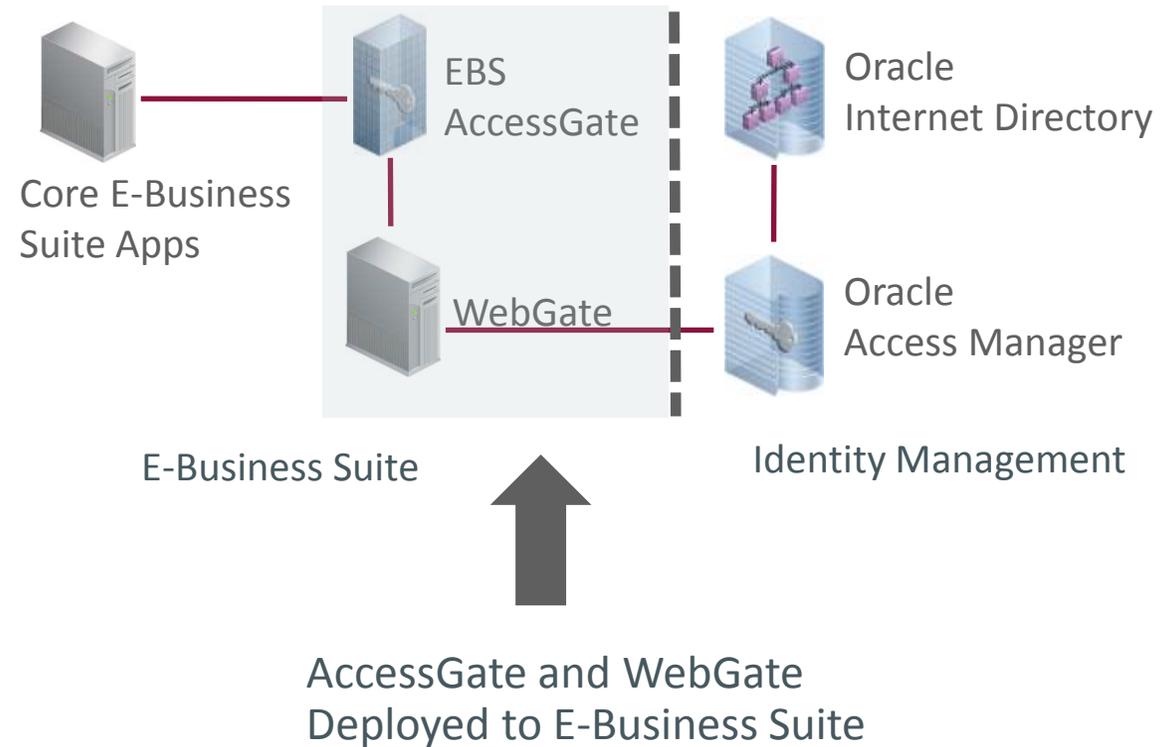
- In E-Business Suite 12.1, AccessGate and WebGate are deployed external to both E-Business Suite and Identity Management
- This poses some administrative challenges:
 - ⚠ More system resources
 - ⚠ Longer time to integrate
 - ⚠ More manual steps can lead to incorrect configurations
 - ⚠ Complexity in cloning flows
 - ⚠ Multiplied when managing large numbers of instances



Benefits in E-Business Suite 12.2

Simplified Architecture, Automated Deployment

- AccessGate and WebGate can now be installed in Oracle E-Business Suite 12.2
 - ✓ Save on time to integrate
 - ✓ Save on system and human resources
 - ✓ AccessGate and WebGate automatically cloned when E-Business Suite is cloned
 - ✓ Automated registration = fewer human errors, better reliability, repeatable process
 - ✓ Multiplied savings when dealing with large number of instances, and frequent cloning activities



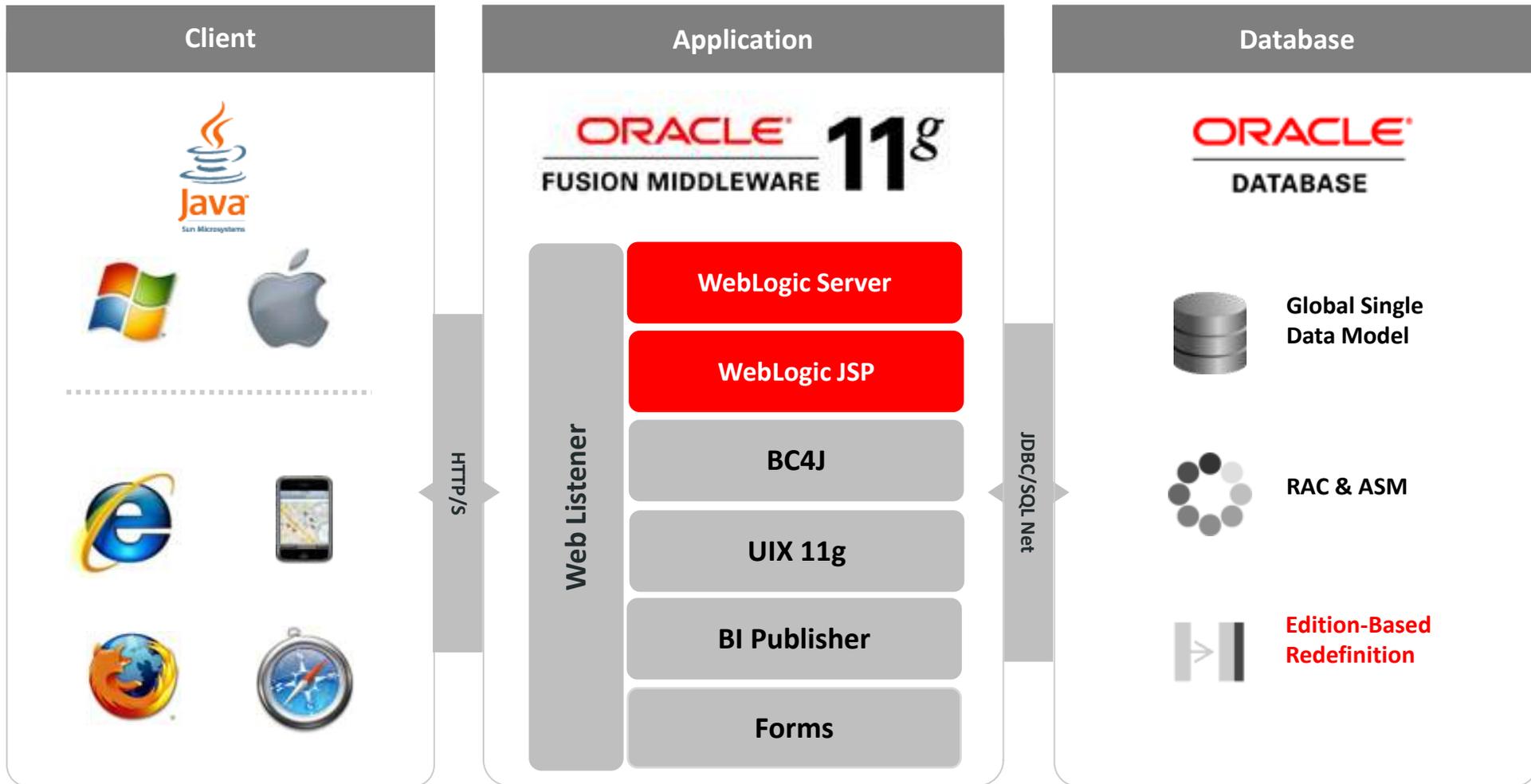
Knowledge Document [1576425.1](#)

Integrating Oracle E-Business Suite Release 12.2 with Oracle Access Manager 11gR2 (11.1.2) using Oracle E-Business Suite AccessGate

Program Agenda

- 1 WebLogic Server and E-Business Suite Overview
- 2 A Most Important Question
- 3 Leveraging Infrastructure – A Couple of Examples
- 4 E-Business Suite 12.2 on WebLogic Server – A Quick Glance**
- 5 What is Next?
- 6 Another Most Important Question: *What Do We Do Now?*

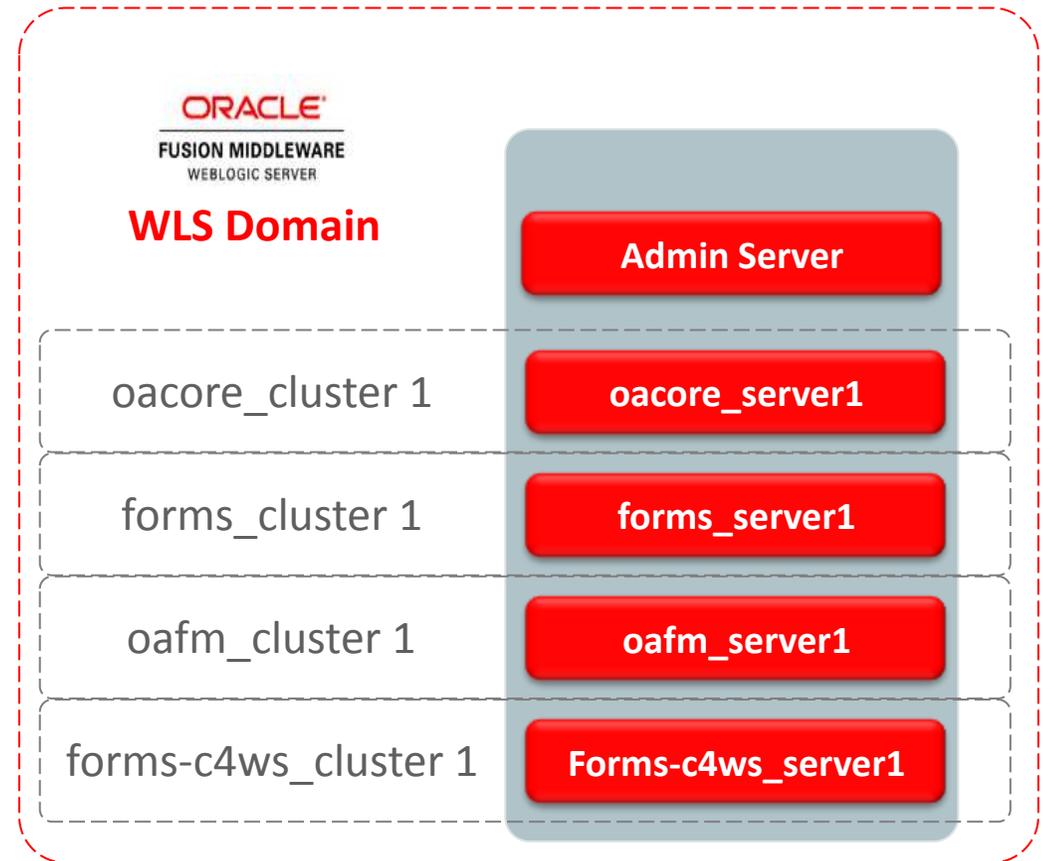
Oracle E-Business Suite 12.2 Architecture



Oracle E-Business Suite 12.2 Architecture

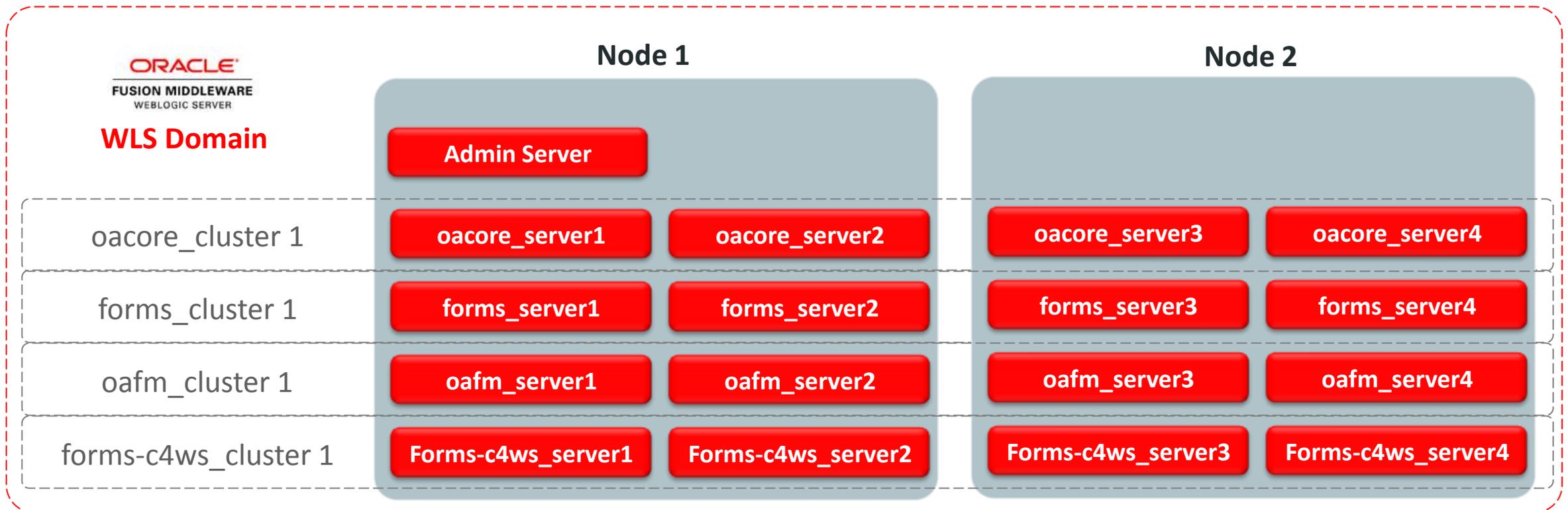
What is E-Business Suite from a WebLogic Perspective?

- From a simplistic point of view, E-Business Suite feels like:
 - A handful of *web applications*...
 - Deployed to *Clusters of Managed Servers*...
 - Supervised by an *Admin Server*...
 - Configured in a *WebLogic Server Domain*



Oracle E-Business Suite 12.2 Architecture

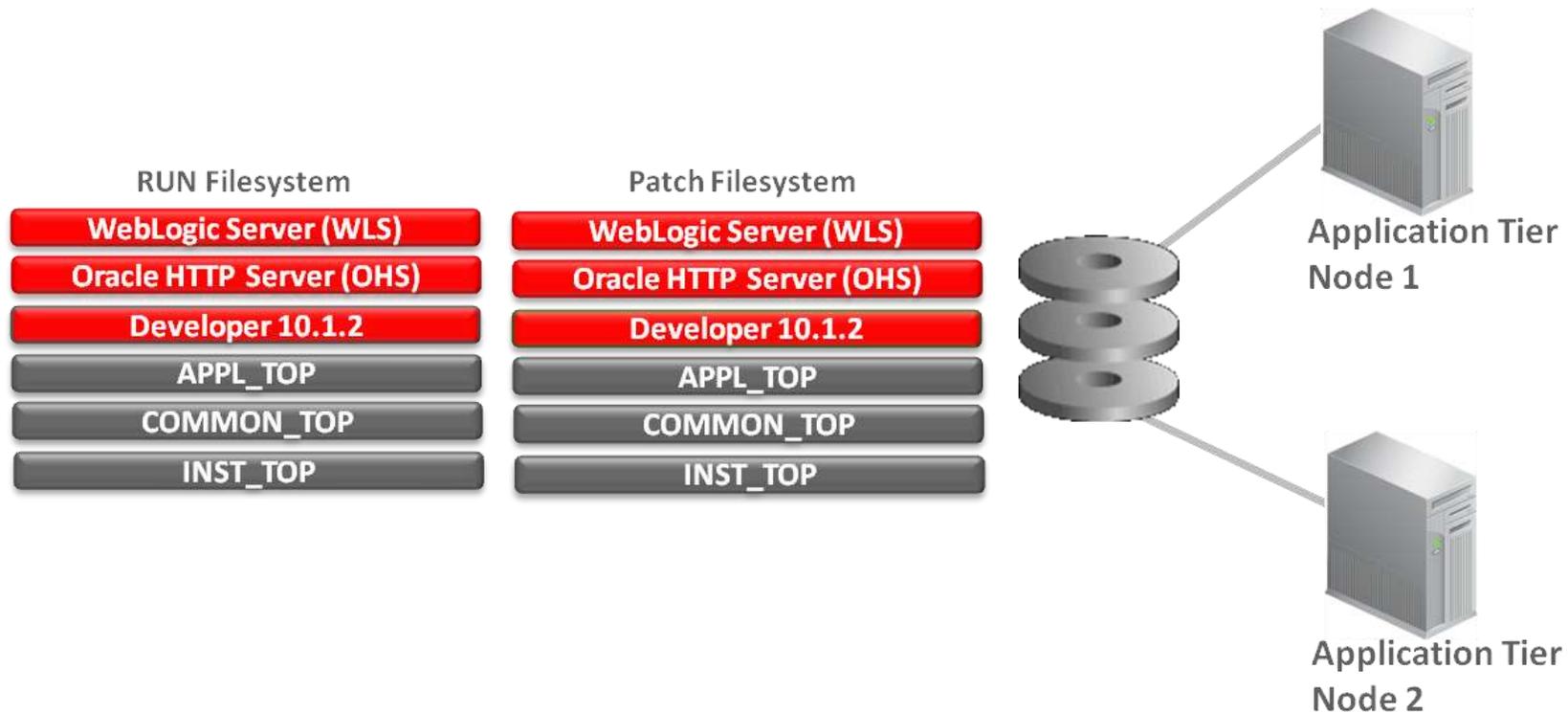
Application Tier Vertical & Horizontal Scaling



Knowledge Documents [1905593.1](#) and [1383621.1](#)

Add Oracle E-Business Suite 12.2 Application Nodes

Create a Shared Application Tier File System



Knowledge Document [1375769.1](#)

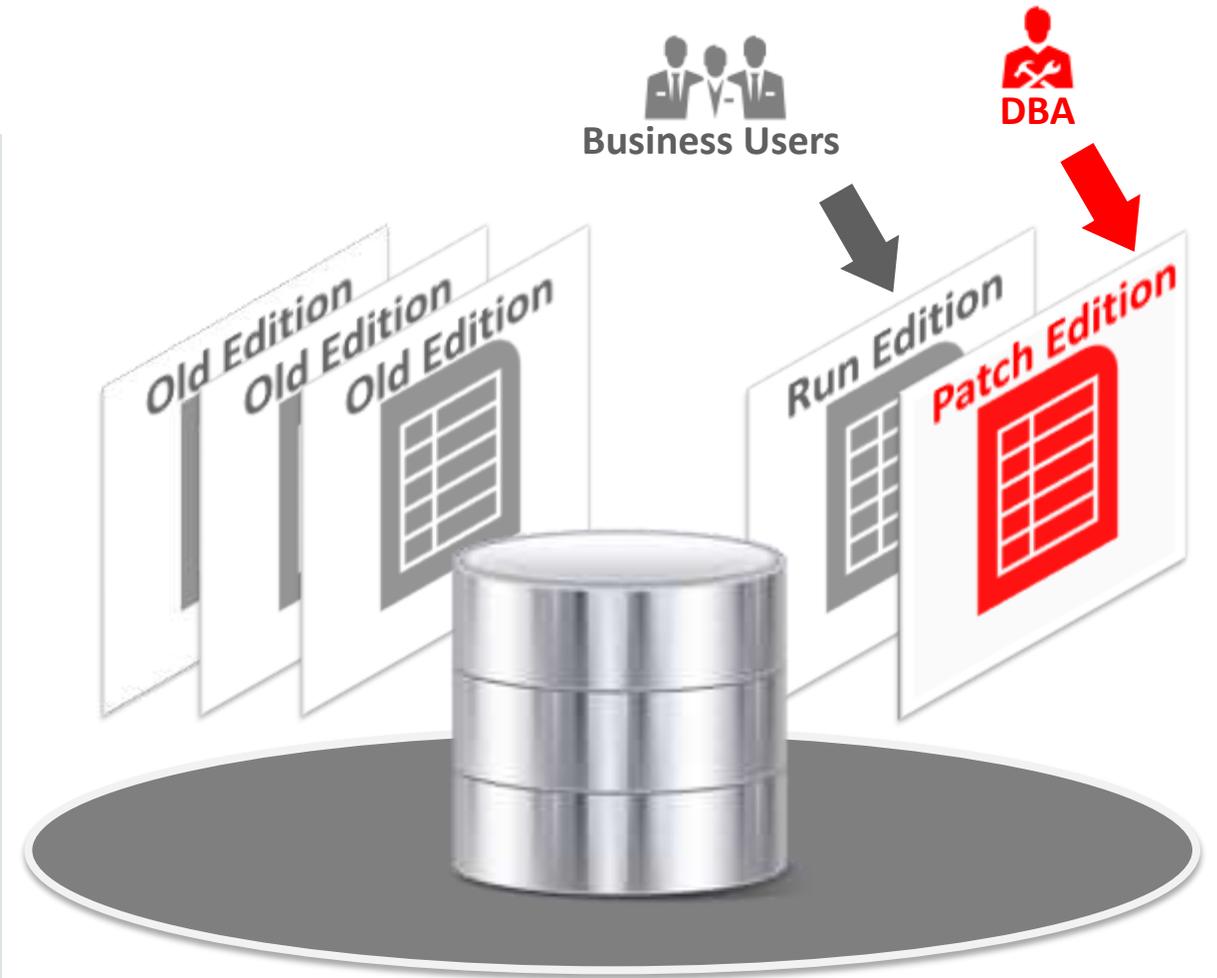
Section 4: Adding a Node to the Shared Application Tier File System

Online Patching

Dramatically Reducing Patching Downtime

NEW IN 12.2

- Functionality leverages Oracle 11g R2 Edition-Based Redefinition features to support online patching
- Patches can be applied while the production system is fully operational
- Only a short downtime is required to complete patching process
- The amount of downtime required by any patch will be consistent



Related Session

Online Patching

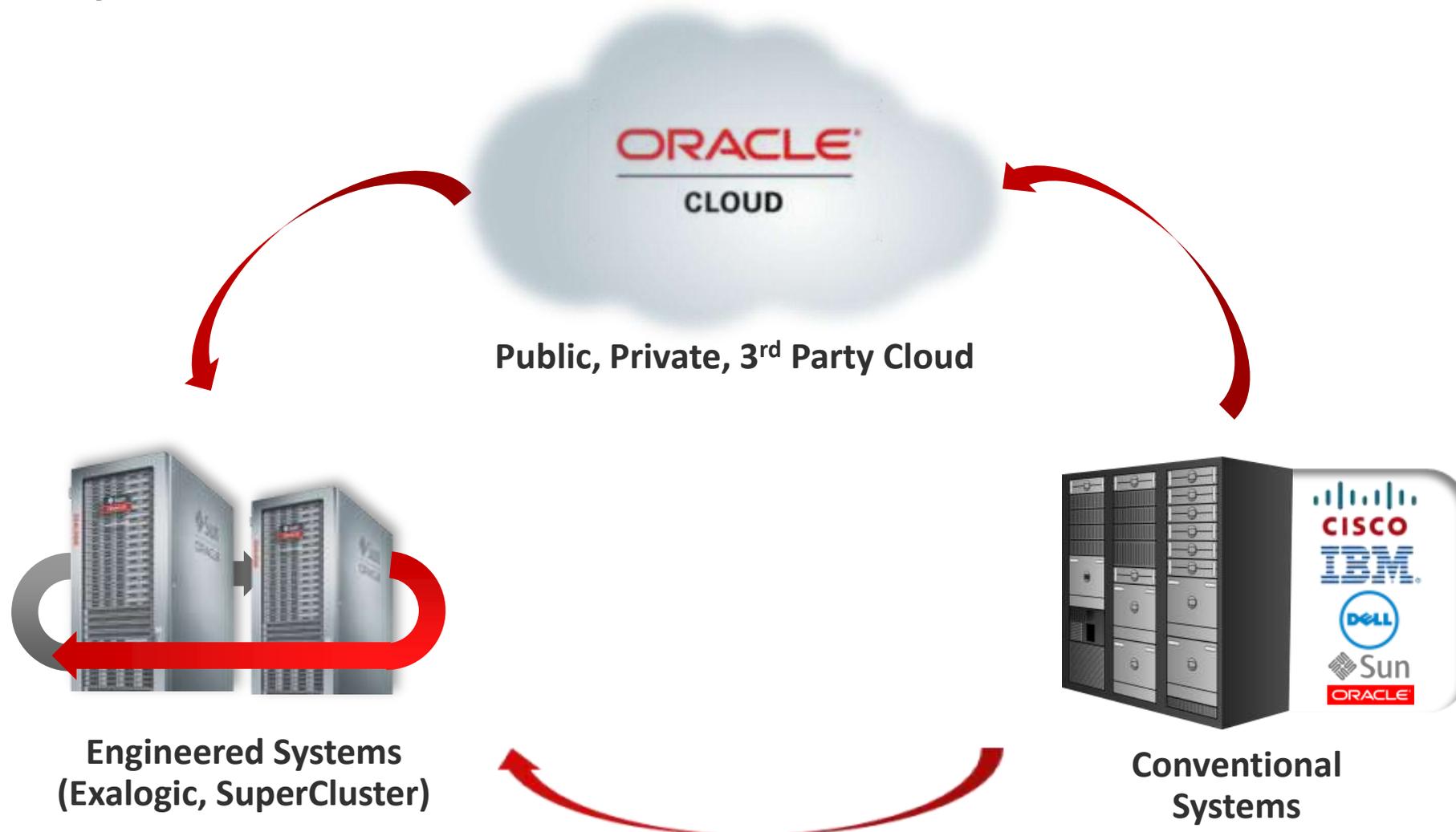
| | | |
|---|---|---------|
| Tuesday Sep 30 5:00 pm - 5:45 pm | CON7702 - Online Patching with Oracle E-Business Suite 12.2 Kevin Hudson, Sr. Director, ATG Development | MW-2018 |
|---|---|---------|

Program Agenda

- 1 WebLogic Server and E-Business Suite Overview
- 2 A Most Important Question
- 3 Leveraging Infrastructure – A Couple of Examples
- 4 E-Business Suite 12.2 on WebLogic Server – A Quick Glance
- 5 **What is Next?**
- 6 Another Most Important Question: *What Do We Do Now?*

Oracle WebLogic Server

Key Delivery Platforms



Oracle WebLogic Server

Roadmap Investment Areas

#1

HIGH PRODUCTIVITY

Java EE

Java SE

HTML5



Standards, Mobile,
Developer Productivity

Oracle Business
Applications

Fusion Middleware

Cloud Application
Foundation

Foundation for
Fusion Middleware
& Applications

WebLogic 11g/12c R1



Cloud Management
and Operations



Multitenancy for
Density/Utilization



Continuous Availability

Plan: WebLogic 12c R2

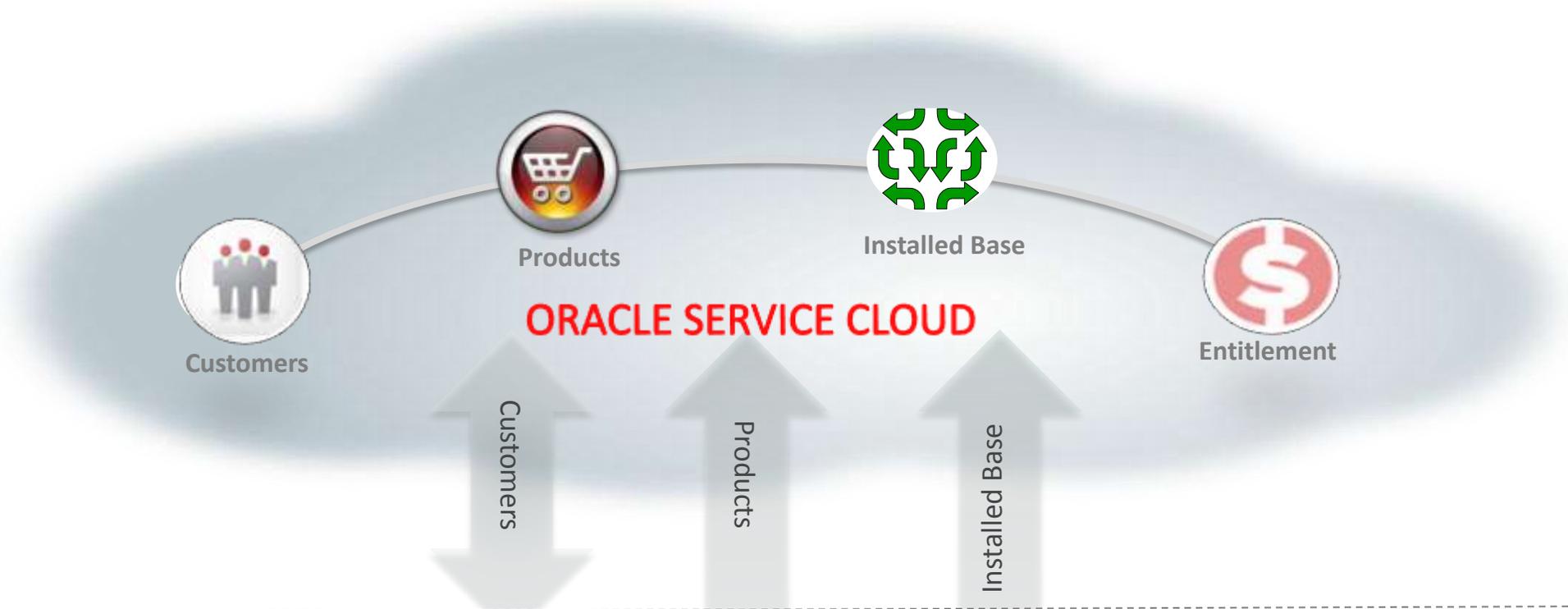
Planned: Fusion Middleware 12c Around E-Business Suite 12

FMW 12c Deployed on
Oracle WebLogic Server **12c**



Planned: Oracle Service Cloud to EBS Field Service

Oracle Service Cloud (RightNow) to EBS Field Service



On-Premise

ORACLE
E-BUSINESS SUITE **Field Service and Mobile Field Service**

Program Agenda

- 1 WebLogic Server and E-Business Suite Overview
- 2 A Most Important Question
- 3 Leveraging Infrastructure – A Couple of Examples
- 4 E-Business Suite 12.2 on WebLogic Server – A Quick Glance
- 5 What is Next?
- 6 Another Most Important Question: ***What Do We Do Now?***

Let Us Quickly Recap

- Oracle's WebLogic Server, Engineered Systems, Virtualization Platform and Cloud Solutions provide a *reliable, uniform, modern* and *powerful* infrastructure for our customers
- Customers can benefit from these infrastructure solutions to achieve a higher degree of *operational efficiency*

ORACLE
FUSION MIDDLEWARE
WEBLOGIC SERVER



Let Us Quickly Recap

- Oracle E-Business Suite customers can take advantage of these innovations for:
 - *increased operational efficiency*
 - *improved business productivity*
 - *superior user experience*



ORACLE®
FUSION MIDDLEWARE
WEBLOGIC SERVER



Decide on Your Target E-Business Suite Release

Will Depend on Your Circumstances

Choose 12.2 if you:

- Need the high availability provided by Online Patching
- Want the functional enhancements that are in 12.2
- Prefer to invest in a single project to upgrade directly to 12.2

Choose 12.1 if you:

- Prefer to target a release with thousands of live customers
- Would like to stay on 12.1 for 3-5 years before upgrading to 12.2
- Need to move from a release below 11.5.10 with no direct upgrade to 12.2

Leverage Technology for Maximum Benefit

☐ E-Business Suite 12.1

- SOA Suite for functional and process integration
- Business Intelligence for executive insight
- Endeca for information driven decision making
- Identity and Access Management for single sign-on and authentication
- Use Virtualization and Engineered Systems to consolidate, accelerate and improve

☐ E-Business Suite 12.2

- All of the above
- Predict and reduce downtime by using Online Patching
- Share and grow expertise among E-Business Suite and Technology administrators
- Automate repeated tasks beyond the scope and responsibility of E-Business Suite team

Hardware and Software Engineered to Work Together

ORACLE®