

# BEST OF OOW: WHAT YOU NEED TO KNOW ABOUT RELEASE 12.2



John Stouffer

[john.w.stouffer@gmail.com](mailto:john.w.stouffer@gmail.com)

[www.justadba.com](http://www.justadba.com)

## John Stouffer

- Connection Point 12.1 Board
- OAUG Board Member 2010
- Oracle ACE
- Oracle Databases Version 5+
- Oracle Applications Release 8+
- Specialist in Assessments, Upgrades and Client Advocacy
- Audience - Tech/Func, DB, EBS Release

## Presentation Objectives

Describe key points from Oracle's OOW presentations and some blog articles about Release 12.2

# Check Out These Presentations and Articles About Release 12.2

- **Oracle E-Business Suite Directions: Deployment and System Administration** - Max Arderius, Manager & Ivo Dujmovic, Director
- **Oracle E-Business Suite Directions: Slashing Downtimes with Online Patching** - Kevin Hudson, Senior Director
- **Minimizing Oracle E-Business Suite Maintenance Downtimes** - Ivo Dujmovic, Director & Kevin Hudson, Senior Director
- **Oracle E-Business Suite Technology Vision, Roadmap & Customer Successes** - Lisa Parekh, Vice President, Applications Technology Integration

# Check Out These Presentations and Articles About Release 12.2

- **Glimpses of E-Business Suite 12.2: WebLogic Server and Online Patching** – Steven Chan -  
[http://blogs.oracle.com/stevenChan/entry/glimpses\\_of\\_e\\_business\\_suite](http://blogs.oracle.com/stevenChan/entry/glimpses_of_e_business_suite)
- **Quarterly E-Business Suite Upgrade Recommendations: October 2011 Edition** – Steven Chan -  
[http://blogs.oracle.com/stevenChan/entry/key\\_e\\_business\\_suite\\_technology](http://blogs.oracle.com/stevenChan/entry/key_e_business_suite_technology)
- Oracle is offering several webcasts about the nuances of Release 12.2

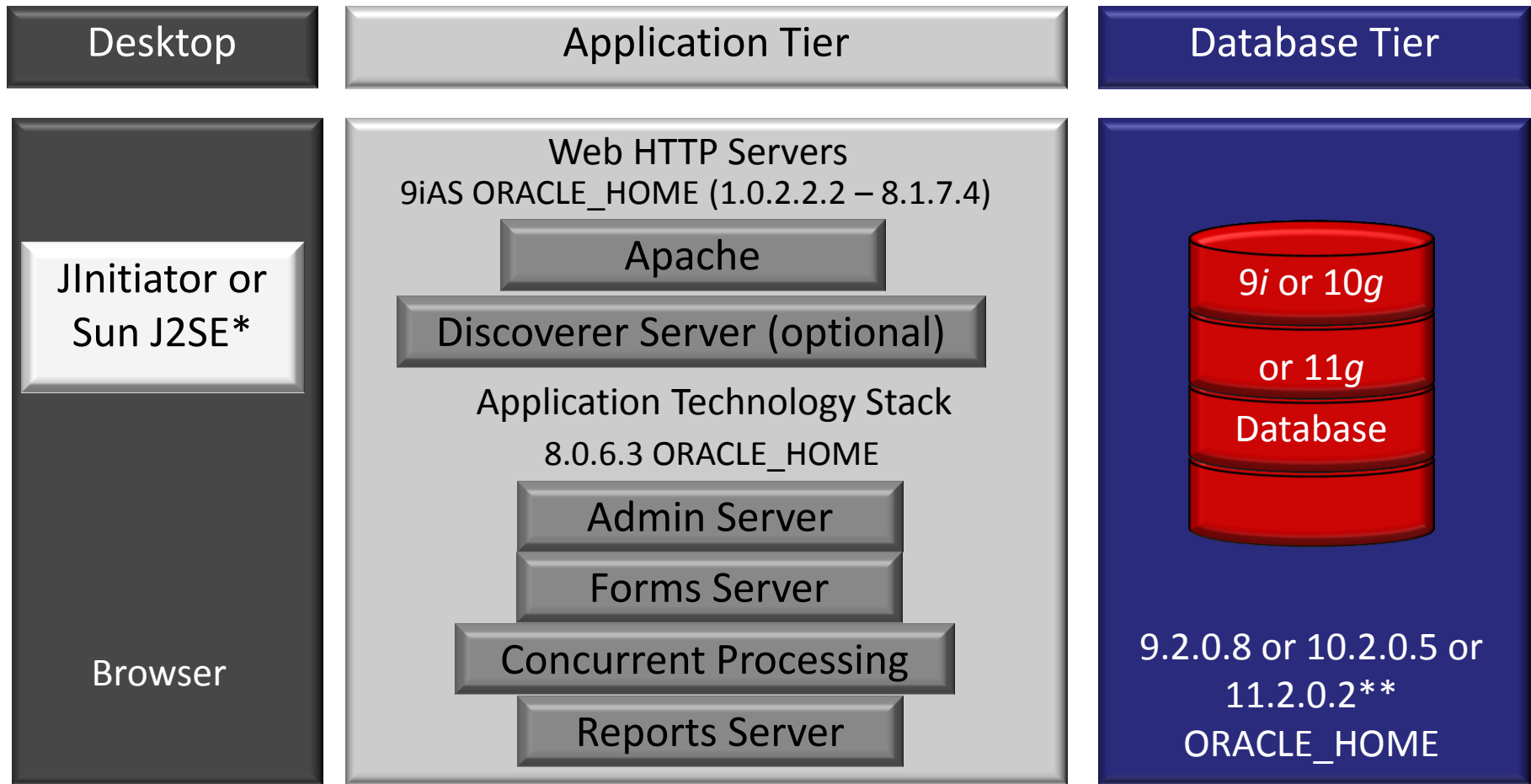
# The Most Important Things You Need to Know About Release 12.2

- It hasn't been released yet
- It will include significant changes to the Application Server architecture
- It will use RDBMS Version 11gR2 or higher
- Patching, Cloning, the User Experience, and OBIA will change

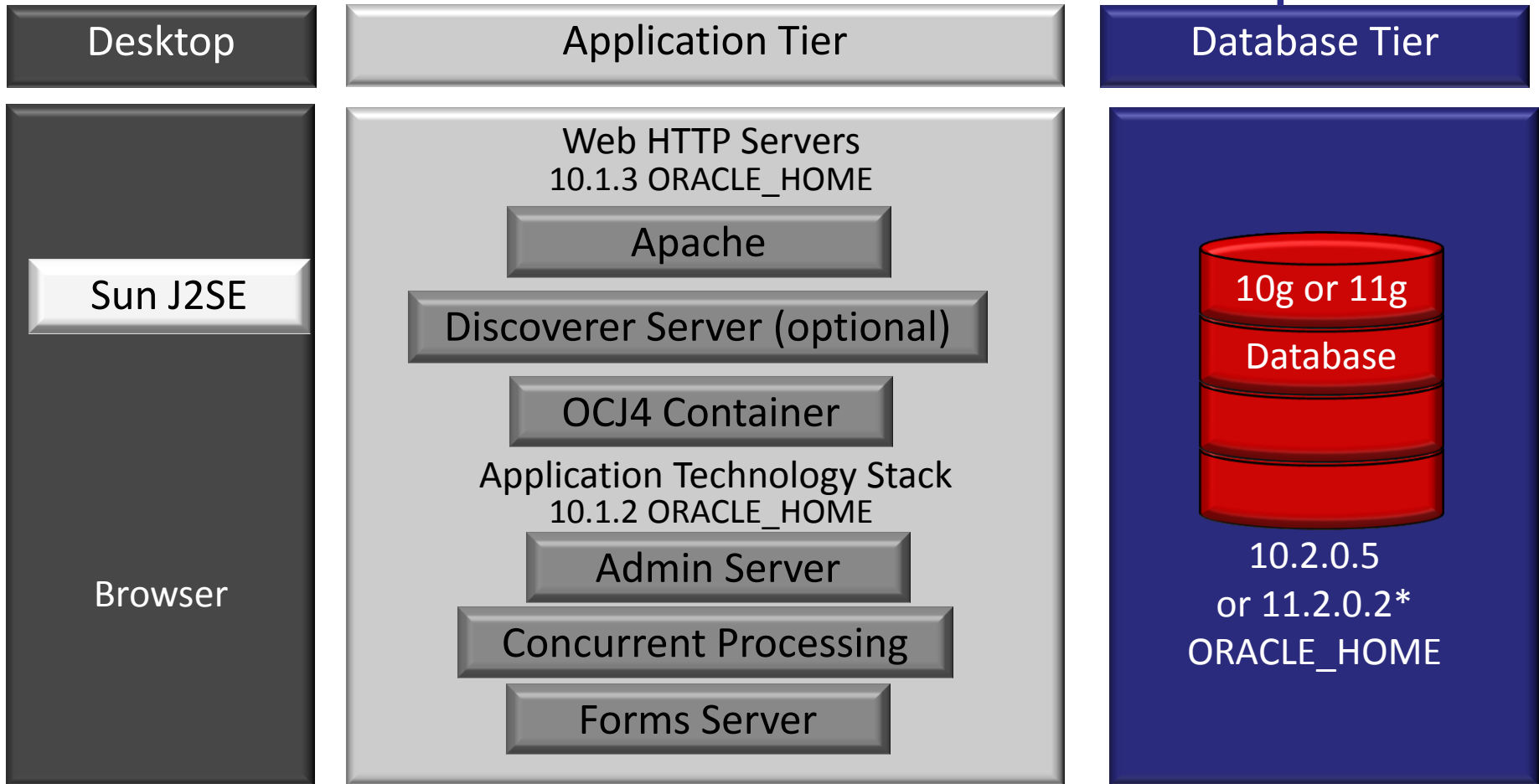
## The Application and Database Tier Architectures Will Change

- Release 12.2 will replace Oracle Containers for Java (OC4J) 10g with WebLogic Server 11g
- The Release 12.2 Database Tier will run RDBMS 11gR2 (or 11gR3 when available and certified) to support Online Patching

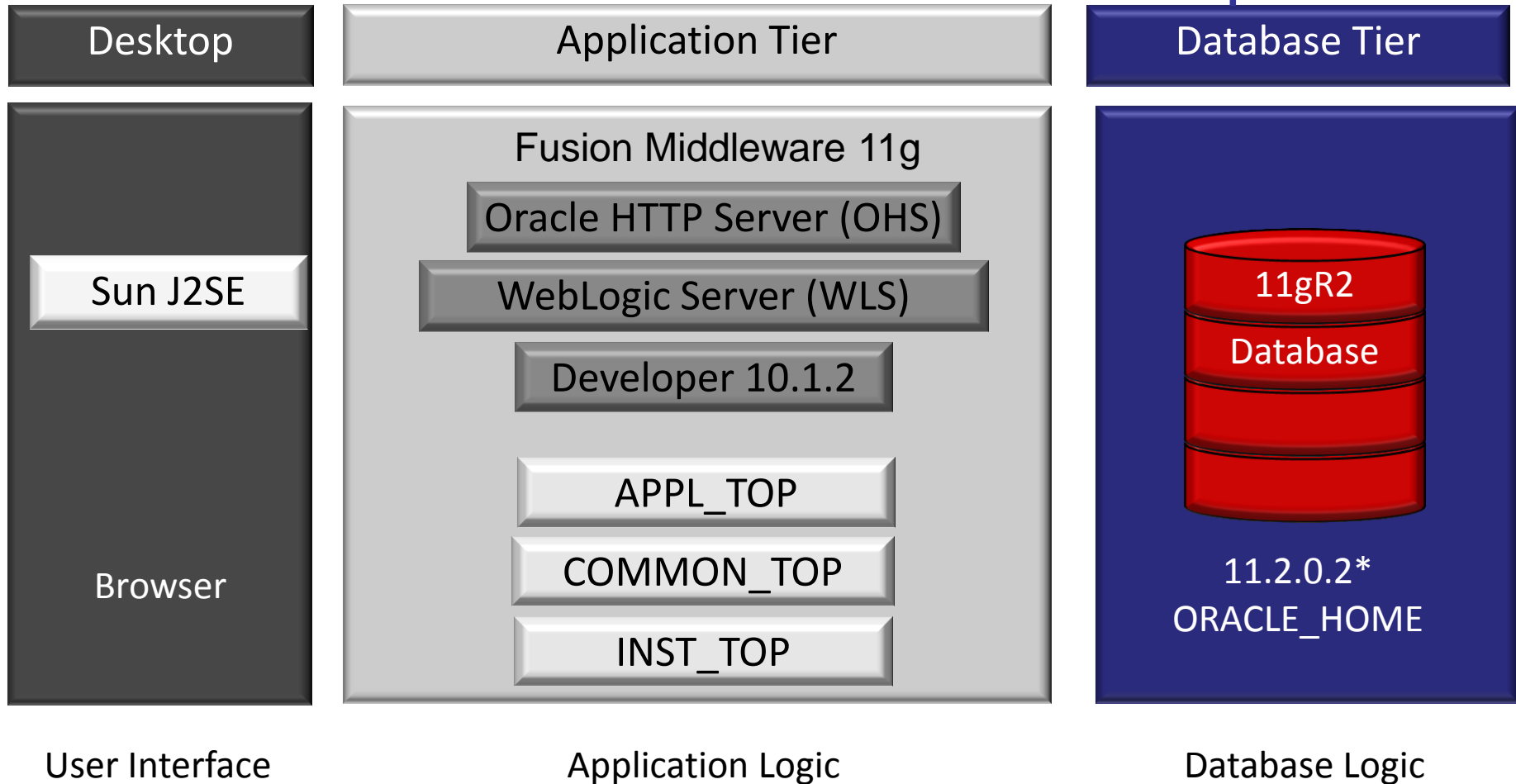
# Current Release 11i Architecture Components



# Current Release 12.1 Architecture Components



# Future Release 12.2 Architecture Components



## What is WebLogic?

- Release 12.2 will have a completely new technology stack based on WebLogic components. The old web tier, Apache and OC4J, will be replaced by WebLogic
- This will be a major technology change and learning challenge for Applications DBAs – even those with years of experience managing and maintaining the E-Business Suite

## WebLogic Benefits

- End users experience “always on” applications & services
- Comprehensive, low-overhead application monitoring and deep diagnostics
- Integration with Oracle RAC for highest levels of application availability
- Rapid development of applications without lost time due to system restarts
- Comprehensive tooling simplifies customization development and speeds new application delivery

See **Oracle E-Business Suite Directions: Deployment and System Administration** -  
Max Arderius, Manager & Ivo Dujmovic, Director

## Do I Need to be a Guru to Support WebLogic?

- You'll follow the install documents to install it
- You may want to take training to learn how to configure it to take advantage of more advanced features – you may need a WebLogic Administrator
- There are experts in the field – WebLogic is widely used in the industry

# Planned Changes for R12.2: Patching, Cloning, the User Experience and OBIA

- Online Patching
- Native Fusion Middleware Cloning
- The User Experience
- Oracle Business Intelligence Applications

# What Are the **Planned** Online Patching Features?

- Downtime will be measured in minutes not hours or days
- Downtime windows will be very predictable
- Patches are applied while the Production Application remains online
- Allows an application to efficiently store multiple editions of its Application Definition in the same database
- Provides an isolation mechanism (The Edition) that allows pre-upgrade and post-upgrade schemas to co-exist
- Client code chooses the particular “Edition” that it wants to connect to

See **Oracle E-Business Suite Directions: Deployment and System Administration** -  
 Max Arderius, Manager & Ivo Dujmovic, Director

# What Are the **Planned** Online Patching Features?

## Online Patching

What were we missing for a complete solution?

- EBS uses both the file system and the database to store the code and data that make up the application
  - File system
    - Staged APPL\_TOP provided the basis for the design
    - Enhanced in 12.2 to a “Dual File System”
    - Two identical file systems are installed with 12.2
  - Database (This was the missing piece )
    - Edition Based Redefinition (EBR) a revolutionary new feature of the 11g R2 database provides this missing piece
    - Commissioned by the Applications Division

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See **Oracle E-Business Suite Directions: Slashing Downtimes with Online Patching** – Kevin Hudson, Senior Director, Max Arderius, Manager & Ivo Dujmovic, Director

# What Are the **Planned** Online Patching Features?

## Online Patching Architecture Changes

New 12.2 patching tool

- ADOP replaces ADPATCH as the 12.2 patching tool
  - ADOP ( **AD** Online **P**atching )
  - Supports both Interactive and silent modes
- ADOP orchestrates the patching cycle, steps the user through each of the patching phases
  - Prepare
  - Apply
  - Finalize
  - Cutover
  - Cleanup

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See **Oracle E-Business Suite Directions: Slashing Downtimes with Online Patching** – Kevin Hudson, Senior Director, Max Arderius, Manager & Ivo Dujmovic, Director

# What Are the **Planned** Cloning Features?

- Leverages native Fusion Middleware tools to clone WebLogic Server & OHS Homes
- FMW included in Apps Stage
- No longer needed to copy the FMW Home Files

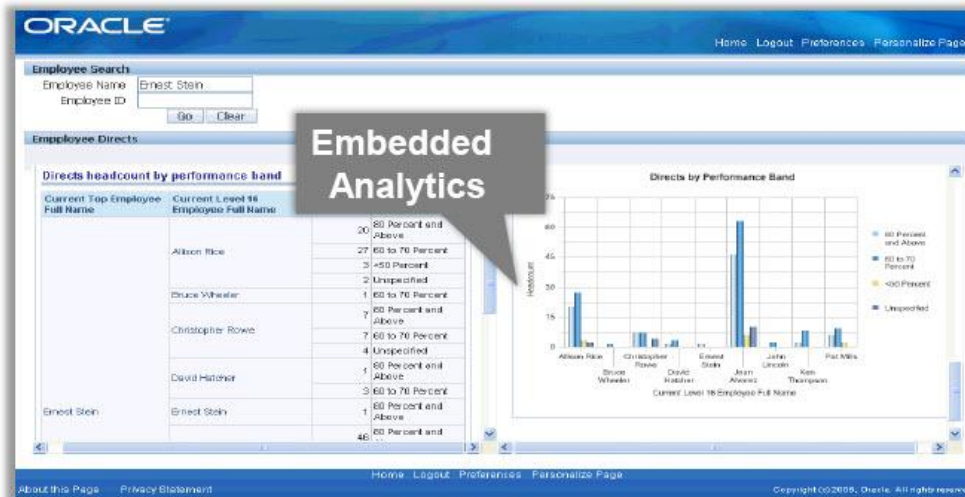
The overall cloning procedure and commands remain the same as in previous versions (adpreclone, adcfgclone, etc.), but the cloning code needs to change to clone the WebLogic server

See **Oracle E-Business Suite Directions: Deployment and System Administration -**

Max Anterius, Manager & Ivo Dujmovic, Director

# Oracle Business Intelligence Applications

New in 12.1.2: OBIA content embedded in EBS pages



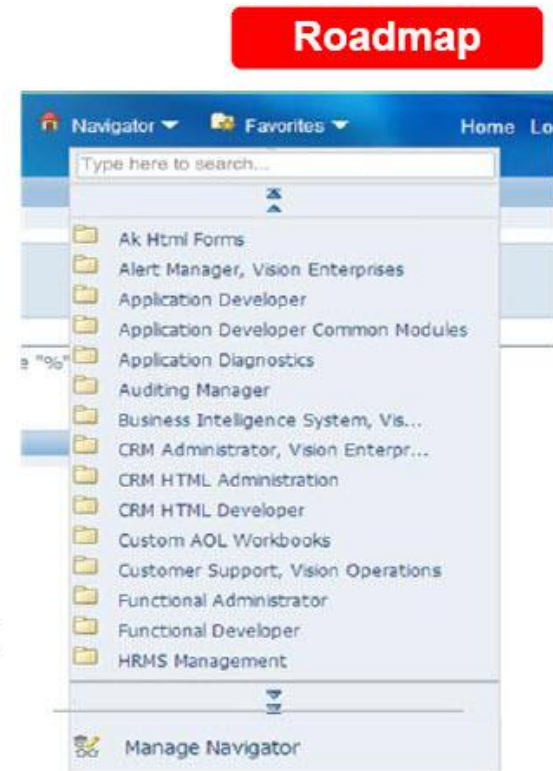
Embed custom content such as OBIA analytics in new rich container

See **Oracle E-Business Suite Technology Vision, Roadmap & Customer Successes**

Lisa Parekh, Vice President, Applications Technology Integration

## Enhanced User Experience

- Enhanced user interface:
  - New slide-out navigator with search
  - Improved error handling
  - Personalization improvements
  - AutoVue print services for attachments
- Internationalization enhancements:
  - Serbian and Albanian language support
  - Enhanced international calendar support



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## Should I Wait for Release 12.2?

- Steven Chan says:

When it comes to ERP software, a bird in the hand is worth two in the bush. It's always best to make your plans around releases that are currently available.

### Upgrade to R12.1.3

## R12.2 Terminology

AD Online Patching (ADOP)

Edition-Based Redefinition (EBR)

WebLogic

# Links

- <http://blogs.oracle.com/chan> - Steven Chan, Director of Applications Technology Integration for Oracle – wonderful articles explaining the nuances of the Applications - THE ORACLE APPLICATIONS BLOG
- [www.OnCallDBA.com](http://www.OnCallDBA.com) – E-Business Suite books, upgrade readiness assessments/health checks and concurrent manager expertise
- [www.redriversolutions.com](http://www.redriversolutions.com) – Release 11*i* and 12 Upgrade Health Checks and Consulting
- [www.justadba.com](http://www.justadba.com) – that's me!

# Questions and Answers

John Stouffer

[john.w.stouffer@gmail.com](mailto:john.w.stouffer@gmail.com)

[www.justadba.com](http://www.justadba.com)



Thank You!