

# Fusion Applications

## What Does It Mean to You

*A simple look at the architecture*



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- Oracle Alliance Director and Fusion Champion for Fujitsu UK & Ireland
- Oracle ACE Director, OCP & Oracle Masters
- Oracle Apps (EBS) since 9.4.1 (16 years)
- President of UKOUG
- 2008 Oracle Magazine Award ‘User Group Evangelist of the Year’

# What We Will Cover



Introductions



What are Fusion Applications?



What Do We Know?



Technology



User Experience



Reporting / BI



Database



Deployment



Questions

# Fusion Architecture

- With Fusion Applications being launched as the best user experience ever, what is happening under the covers?
- But marketing does not tell us how we will support the product? How is it actually working ? This session will have a presentation that explains the architecture and design, explaining what data sources are used where and how - there are at least 3 databases! Hopefully will also include a demo of a small portion and then I want your questions

# Disclaimer

- Oracle Fusion Apps have just been released.
- It means most slides are from Oracle (with permission)

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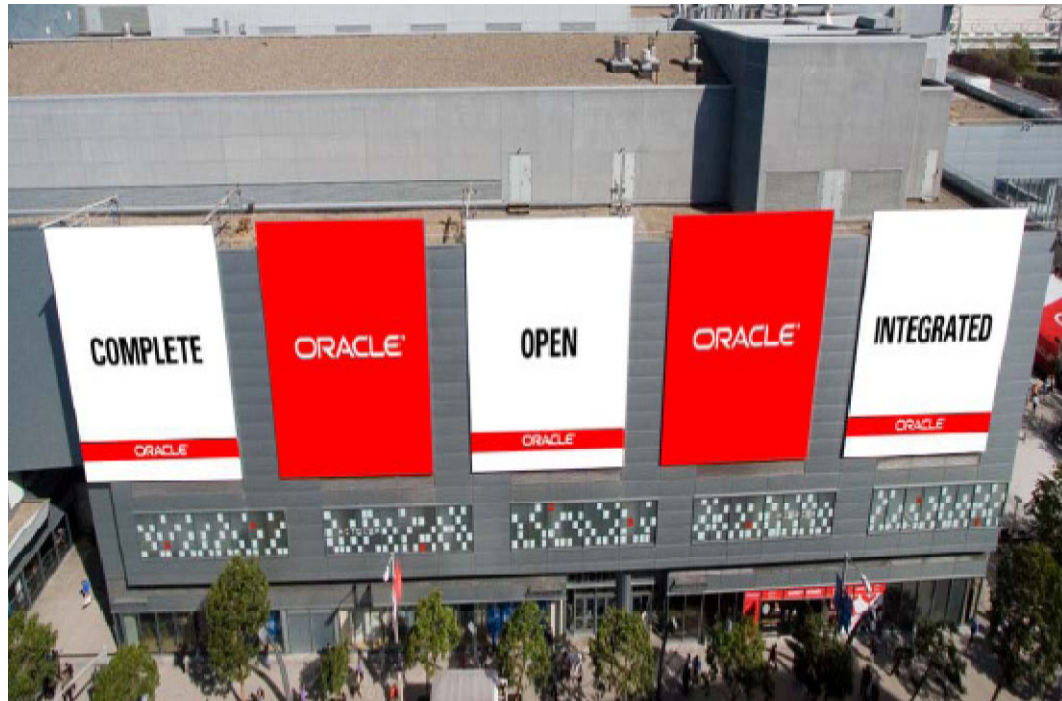
# Oracle Strapline





# But still important - Oracle Strategy

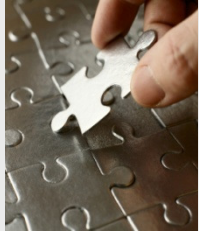
The most important part is *integrated*; Fusion is all about the integration of data, but to have integration you need standards across all your data sources - the *open*, and as everything you need is available from Oracle (or they will buy it) Oracle is *complete*.





# Oracle Fusion Applications

## Design Principles



### Next Generation **ADAPTABILITY**

- Optimize business flows with process configurability and applications extensibility
- Easily integrate with other applications with native SOA
- Provide business users with flexible organizational modeling



### Next Generation **PRODUCTIVITY**

- Drive optimal operational decisions with embedded business intelligence
- Empower information workers with rich, pervasive, personalized user experience
- Connect people to people with Enterprise 2.0-enabled business processes



### Next Generation **MANAGEABILITY**

- Improve efficiency with centralized financial management components
- Protect information privacy and ensure statutory compliance with centralized security, audit and controls
- Achieve superior ownership experience with unmatched manageability

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Fussion Applications technology Update ... - Message (HTML)

Message Developer

Reply Reply Forward  
to All  
Respond

Delete Move to Create Other  
Folder Rule Actions

Block Safe Lists  
Sender Not Junk  
Junk E-mail

Categorize Follow Mark as  
Up Unread  
Options

Find  
Related  
Select  
Find

You replied on 08/04/2011 07:39.

From: [redacted] Sent: Fri 08

To: Lilley Debra; [redacted]

Cc: [redacted]

Subject: Fussion Applications technology Update ...

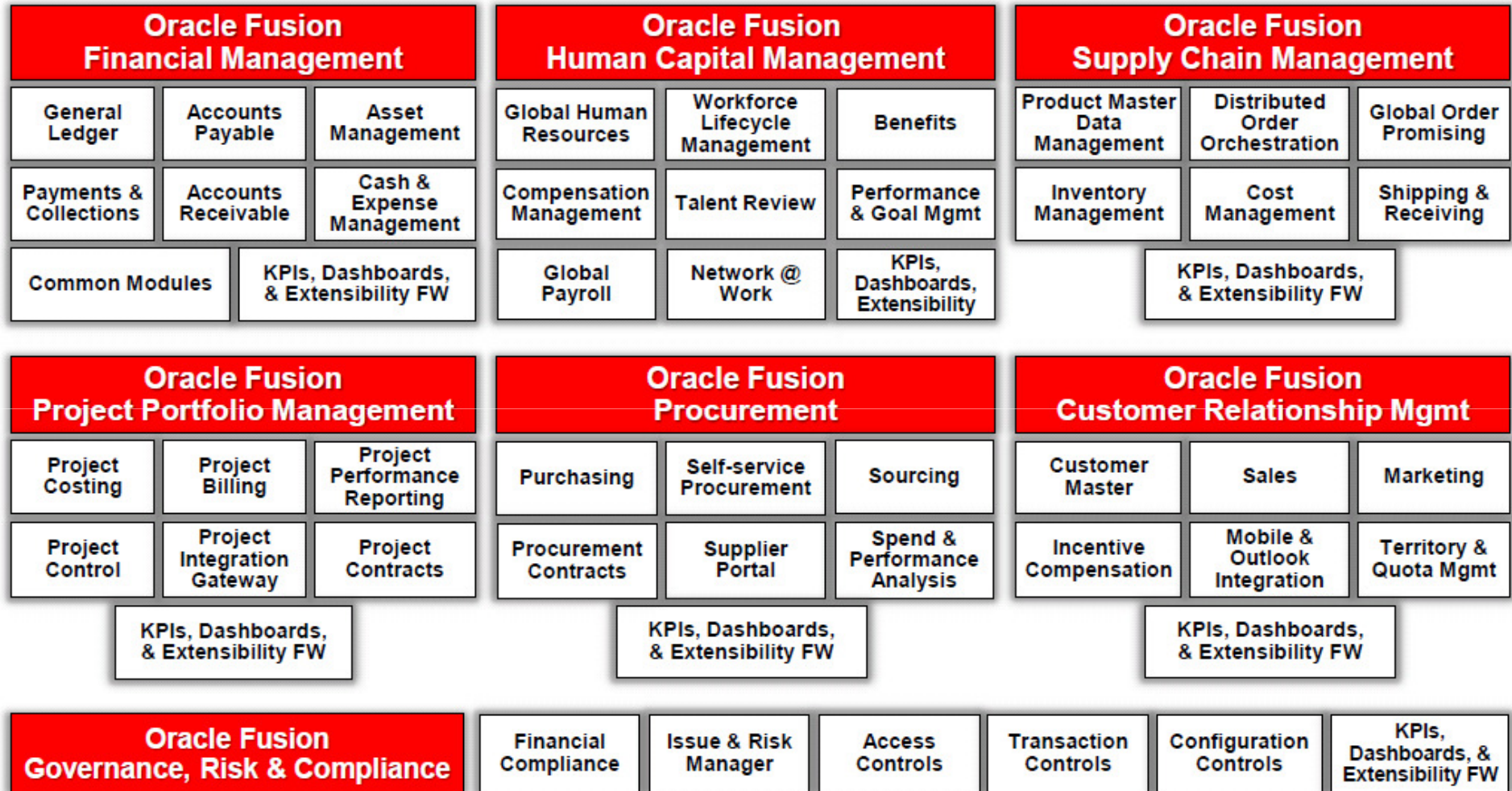
Hi

I had conference call with Oracle USA fusion Applications Team .....

It is nothing like what we had in mind ... It is based on completely different concept and Technology. I do not think that is any technology in Release 12 which has been used from technology side Fusion Applications.. Some main points

1. No Oracle Forms
2. No Oracle reports
3. No Oracle workflow
4. No Concurrent managers
5. Every Group of Applications has its own SOA installation .. Like as Financial , CRM , HCM.
6. Fusion Application's pre-request is Oracle Identity Manager Installation .
7. Concept of Domains ... every module is installed in its domain on Weblogic Server.
8. It requires Truck loads of Memory

# What's In It



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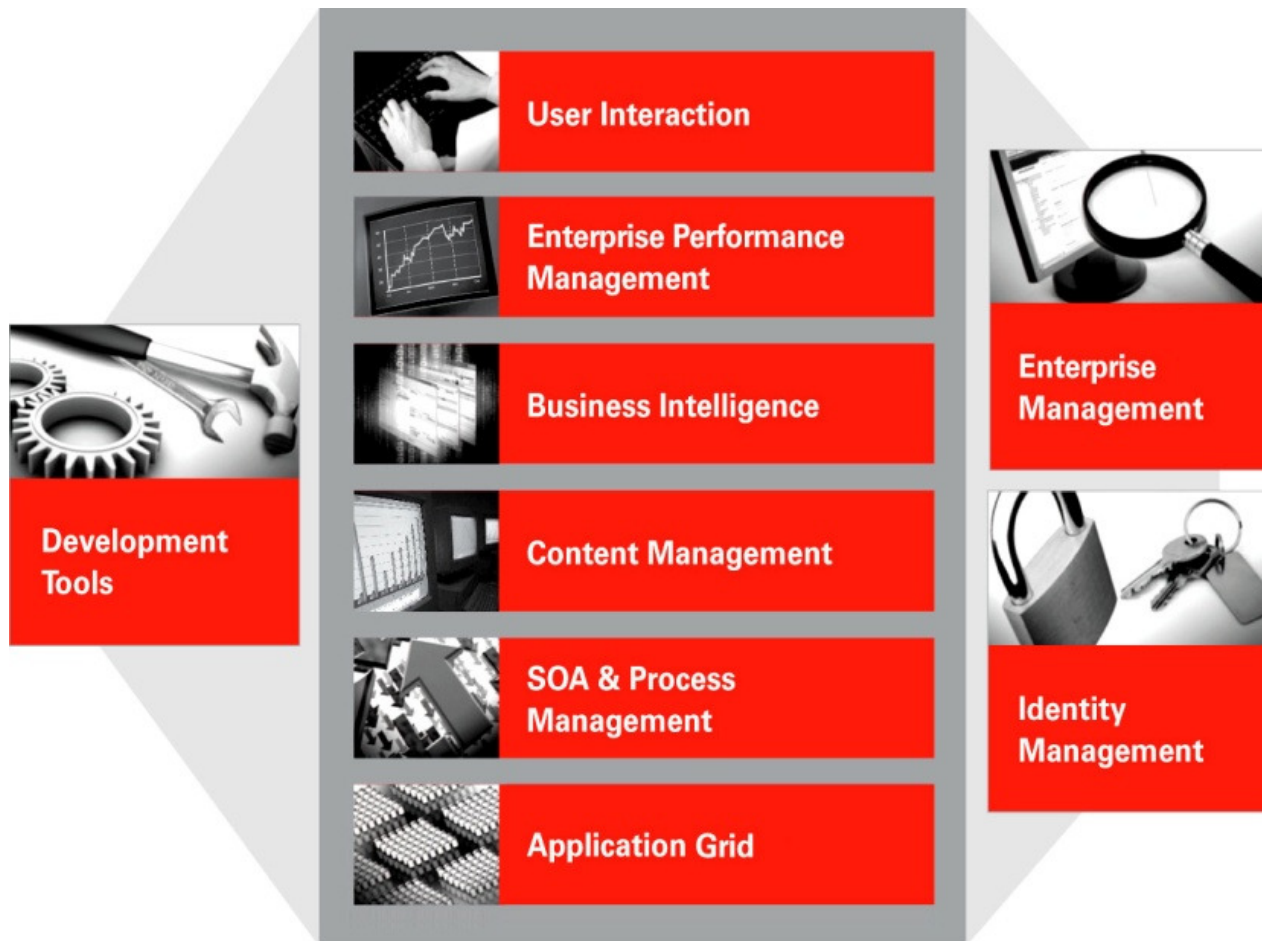


Deployment



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# FMW– The Technology





# Miracle Video on FMW

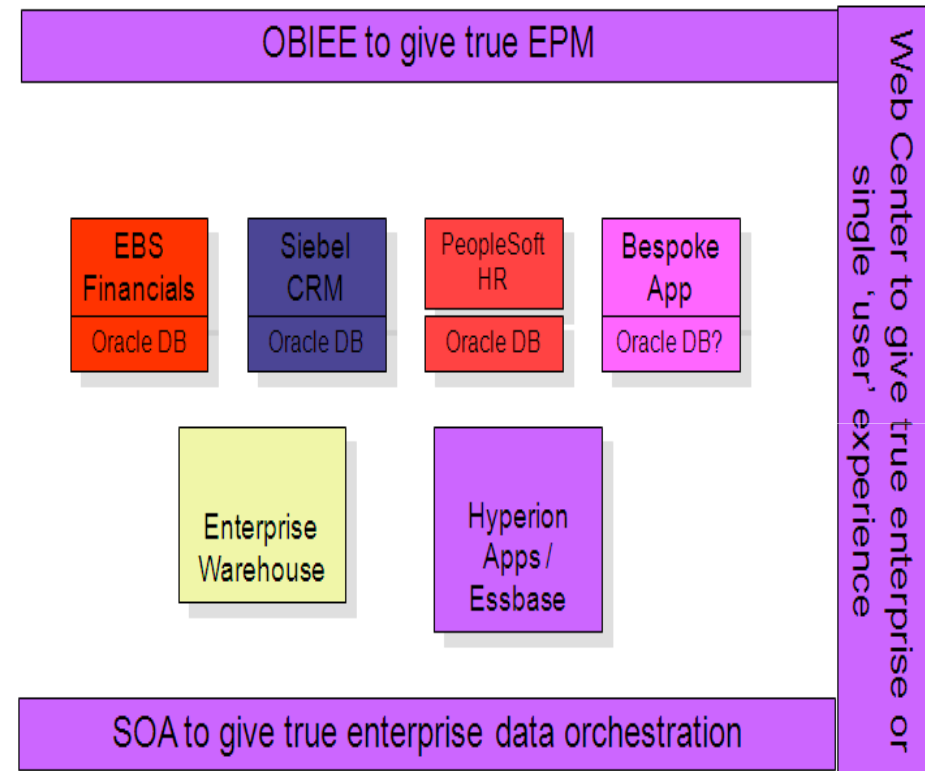
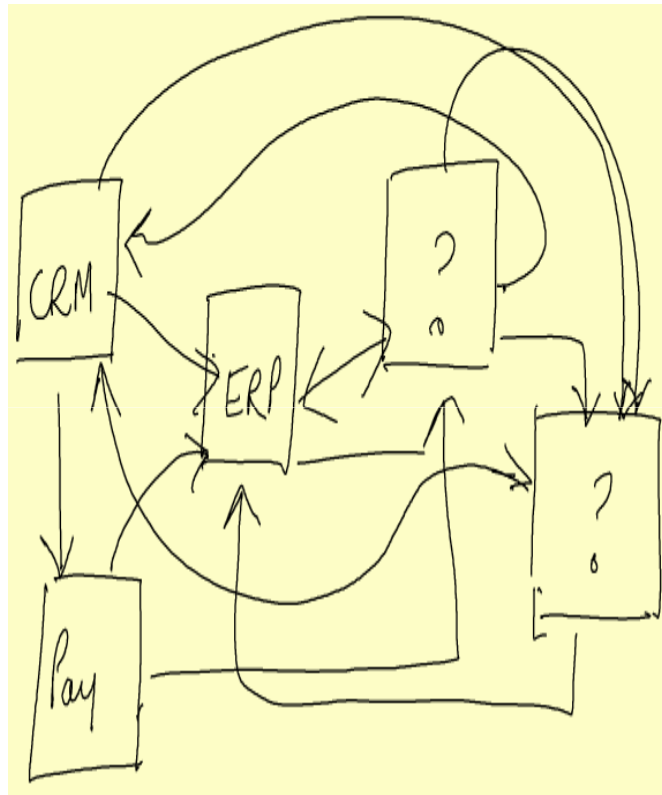


**Debra Lilley on Fusion MiddleWare**

<http://www.miraclechannel.dk/video/550193/debra-lilley-on-fusion>

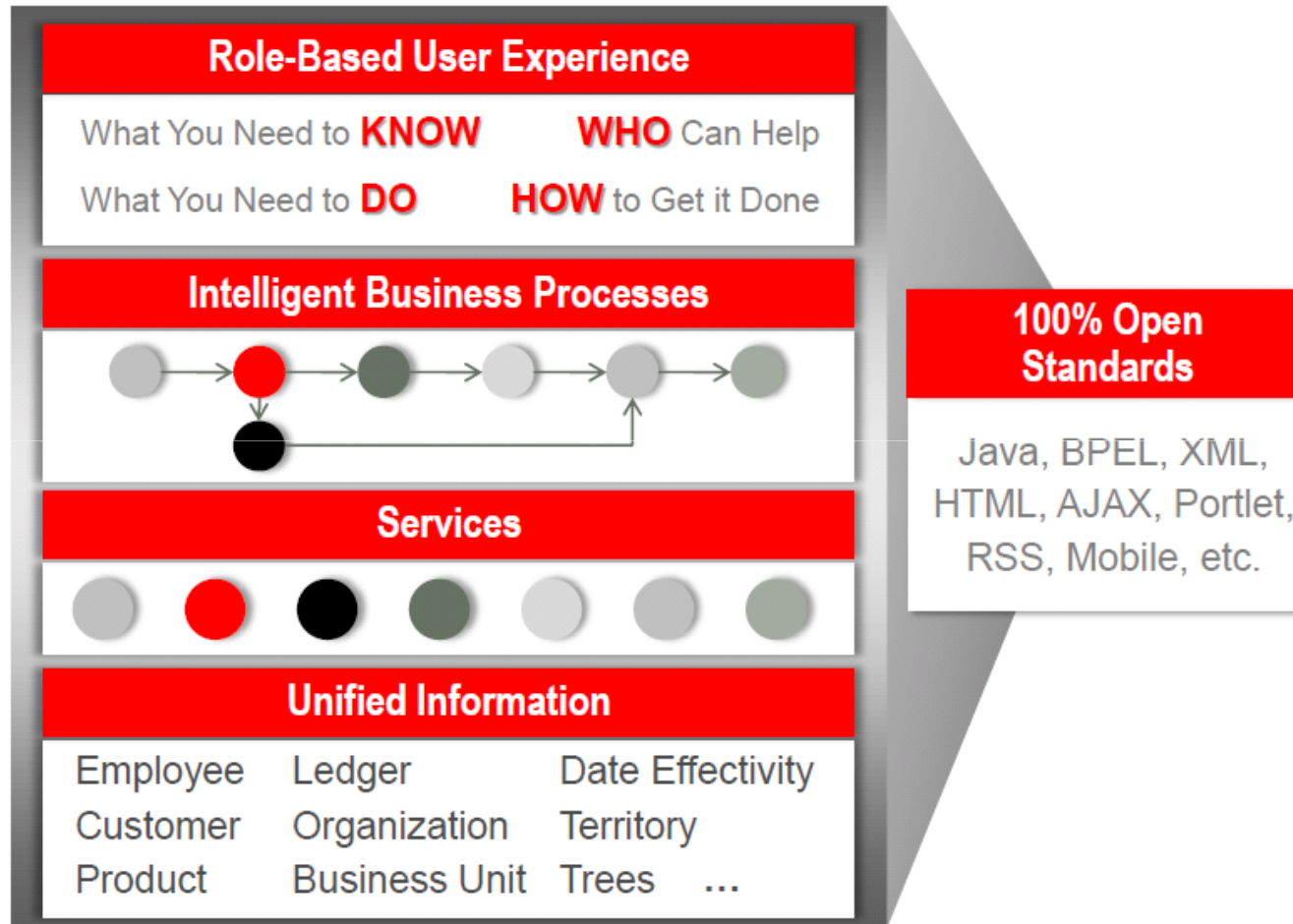


# Fusion Technology for the IT Estate



From This .....To This

# Design Principles



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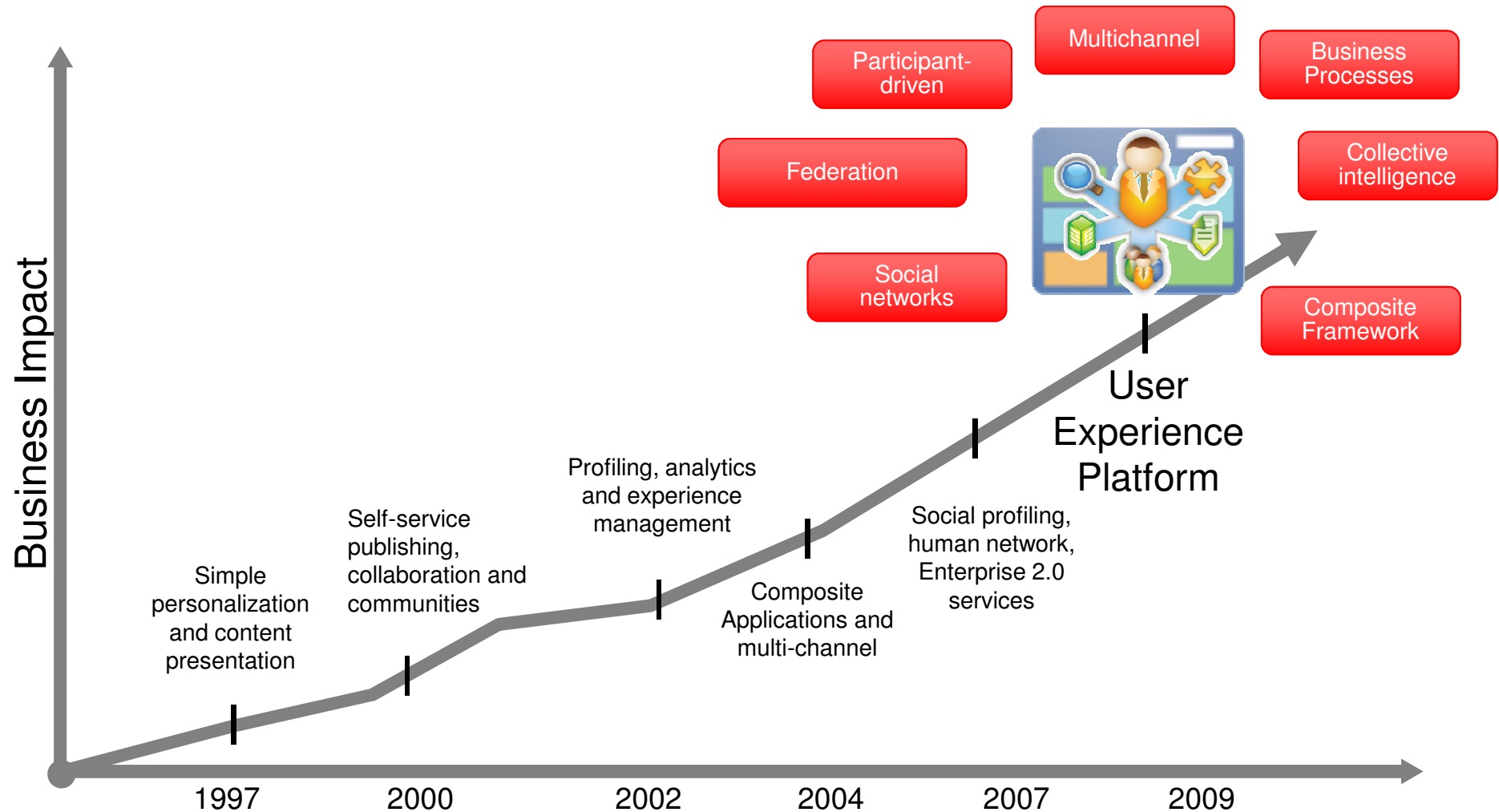
Deployment



Questions

# Market Trends

## Evolution of Portal Technology



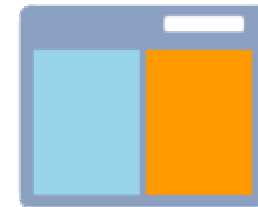
ORACLE®

# Market Trends

## Evolution of the Web

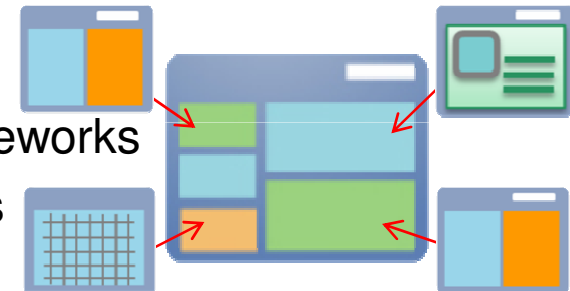
### Web 1.0 – Connected Information

- Information delivered as linked web pages
- Transforming how we access information



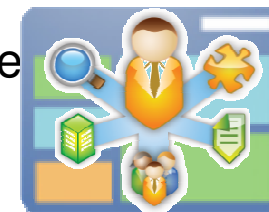
### Web 1.5 – Connected Applications

- Service-oriented architecture & composite frameworks
- Transforming how we design & use applications

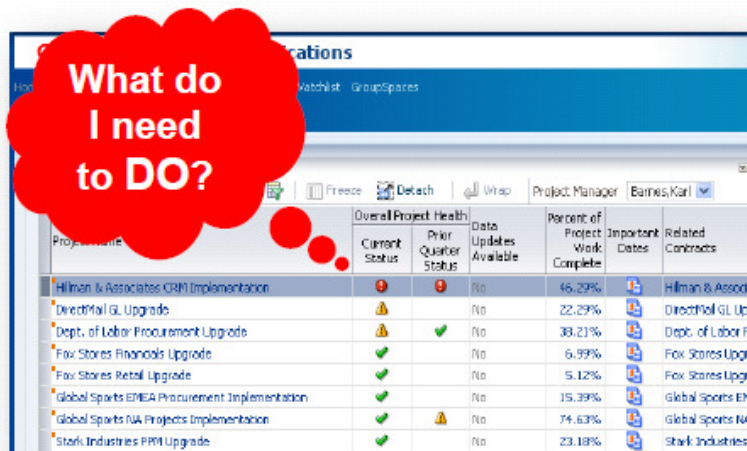


### Web 2.0 – Connected Users

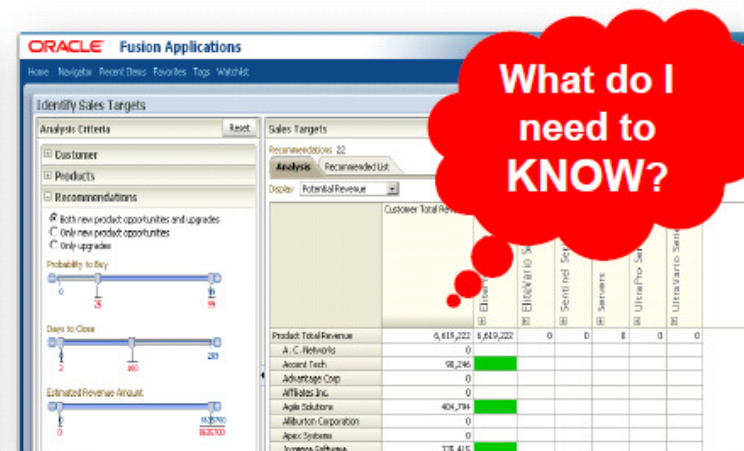
- Users share information using social software
- Transforming how we share information & work together



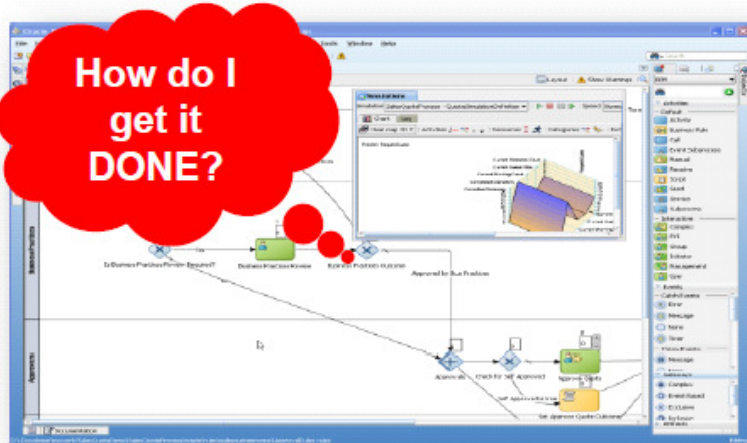
# User Interface Improvements



Exception-based Management



Embedded Business Intelligence



Configurable Applications & Processes



Embedded Collaboration

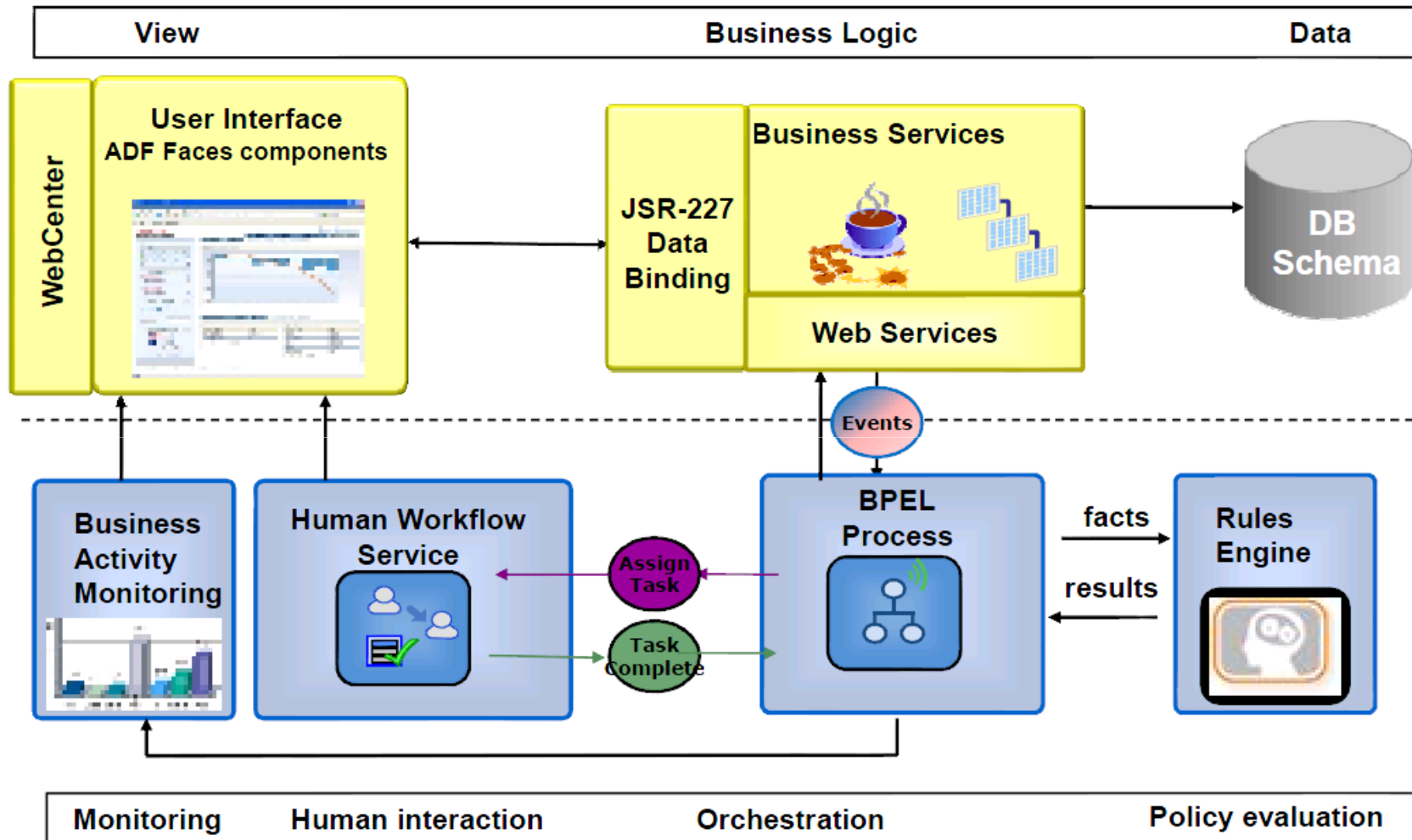


# Mandatory slide

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.



# UI Architecture



# Demo of Fusion Apps

Viewlet taken from development cut of application

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# Fusion Reporting and Analytics

## Oracle Transactional BI (OTBI)

- Real time, self service reporting directly off Fusion Apps data
- Pre-packaged content covering major Fusion Applications
- Built on Oracle BI EE technology

## Oracle BI Applications (OBIA)

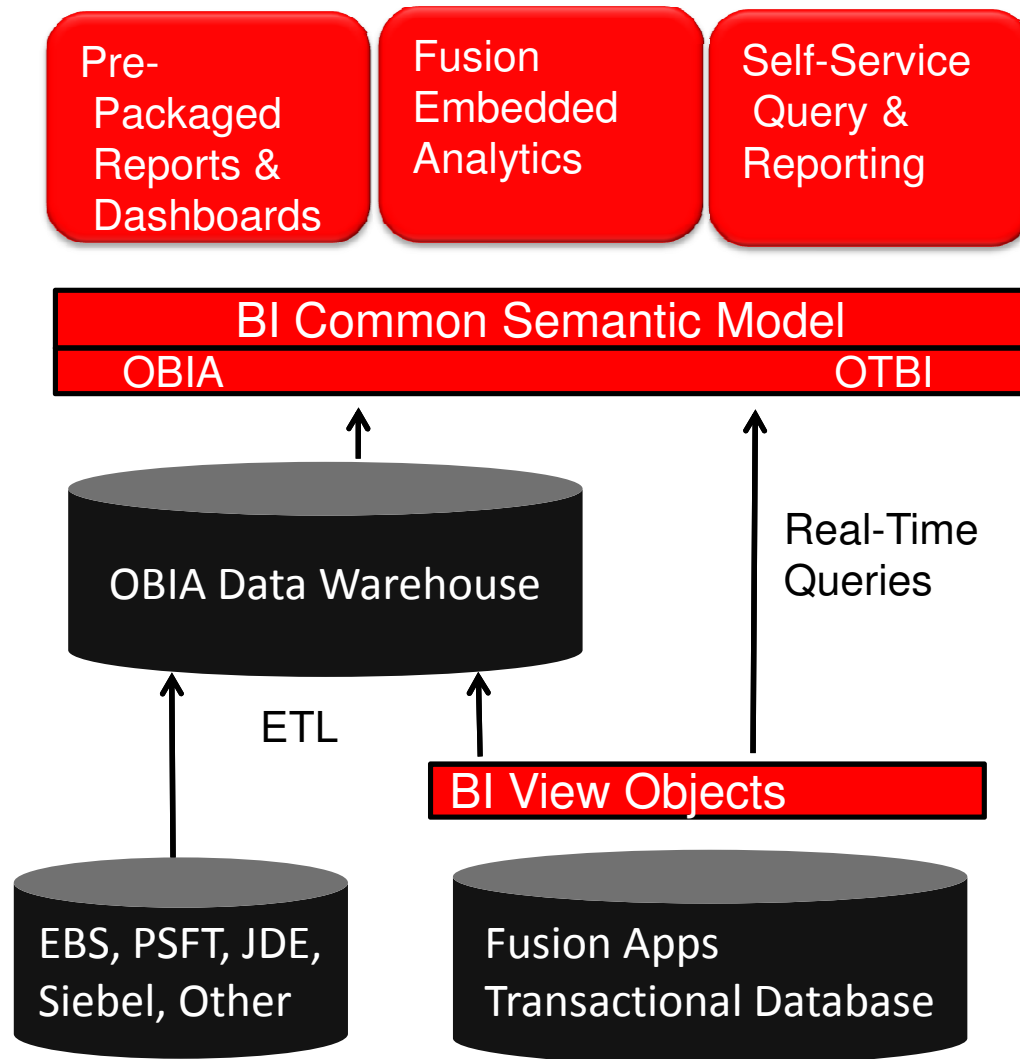
- Unlimited historical analysis - trending and cross-domain
- Pre-packaged DW, ETL, metrics, and interactive dashboards
- Now for EBS, PSFT, JD Edwards, Siebel. Extending to Fusion Applications
- Built on Oracle BI EE technology

## Specialized Analytics

- Financial statements, sales territory planning, project performance, and more built on Essbase technology
- Whitespace analysis built on Real-Time Decisions and Oracle Data Mining technologies



# Fusion BI Architecture



## Content Summary:

- 150+ embedded analytics
- OBIA: 3,000+ reports, 4,000+ metrics
- OTBI: Covers 35+ Fusion Products

## BI Common Semantic Model:

- Supports highly aggregated trending and real-time transaction listings from a single query model

## BI View Objects:

- Are single source of truth for BI
- Represent facts and dimensions
- Implement Apps data security

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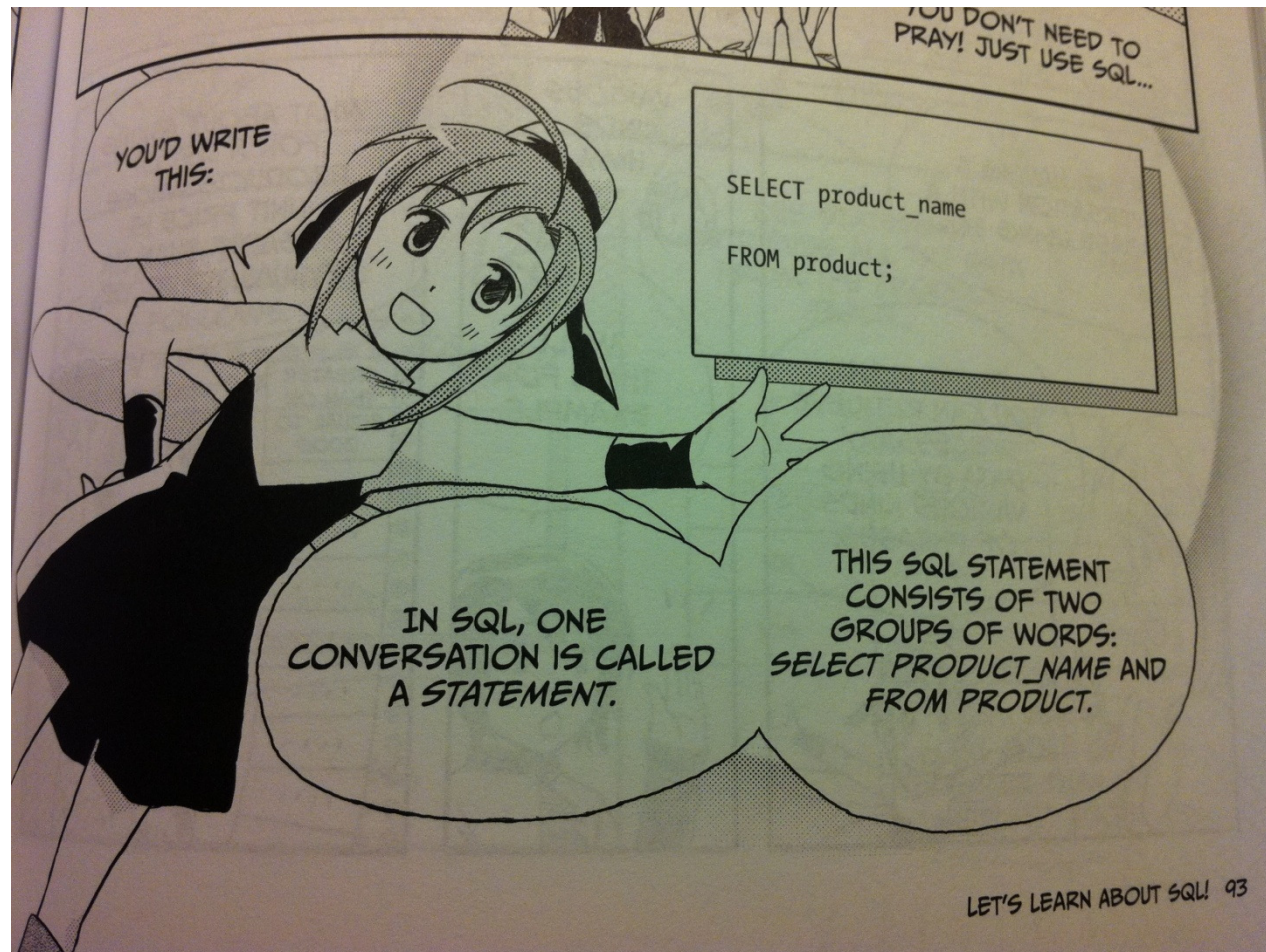
Questions

# The Database

- Just Two unless.....
  - You install in stages
  - You Use in Co-existence model
- BI Data warehouse
- Fusion Apps Transactional Database



# There is still SQL, some batch loads



# The Magic Ingredient

- Meta Data Store – MDS
  - BPEL information
    - Where am I, what next, rules
  - Personalization Information
    - Regions, layout, content

# Fusion Apps Transactional Database

- The data schema
  - Very similar to R12 for ERP,
  - Very similar to Siebel for CRM
  - OTBI object views (not so similar as DBI)
- Essbase
  - Dynamic aggregation
  - Avoids Sparsity Issues
- Meta Data Store

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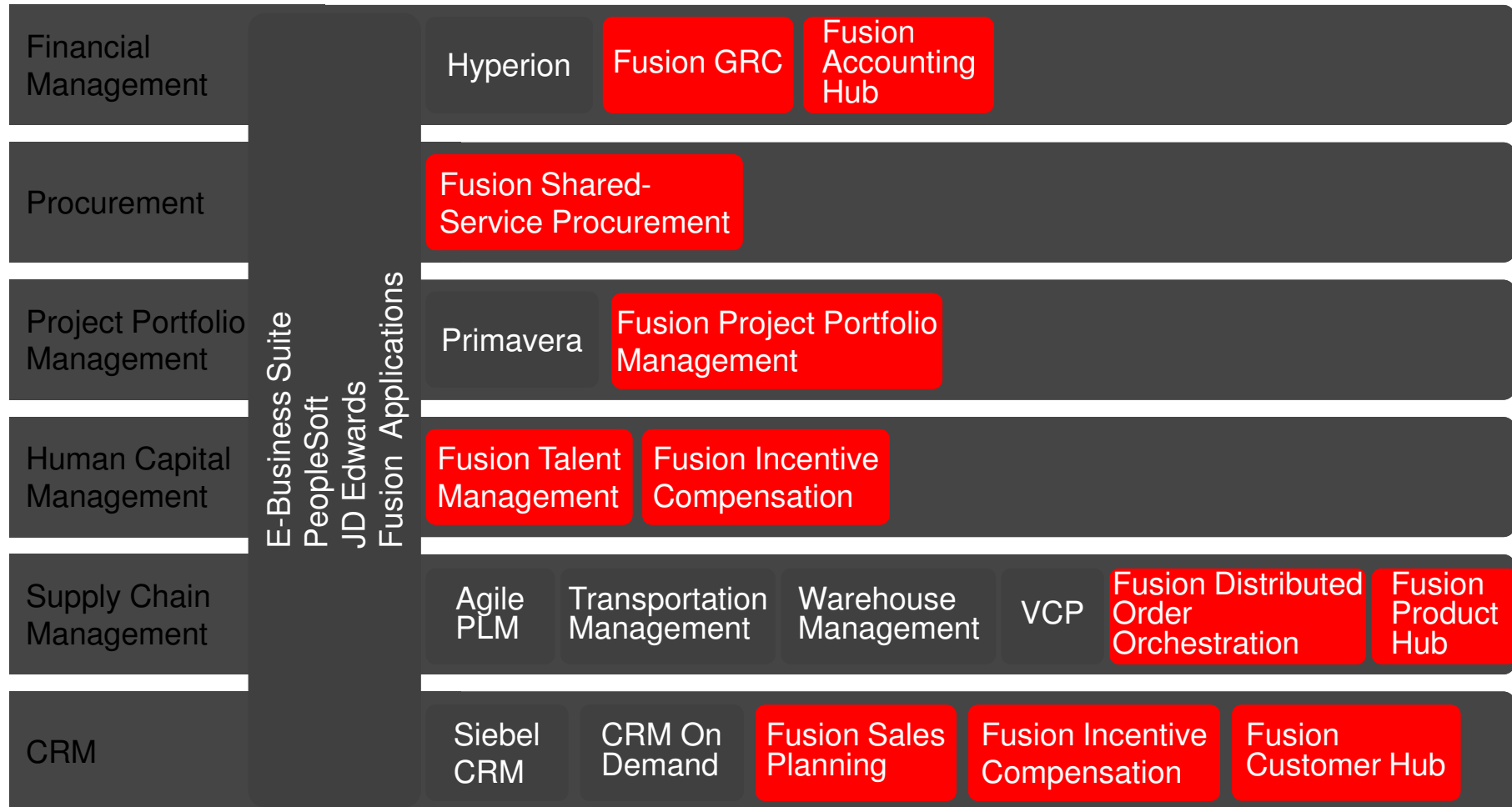
Deployment



Questions

# Understanding Co-Existence

Co-Existence Strategy Protects Your Investment



# Manageability

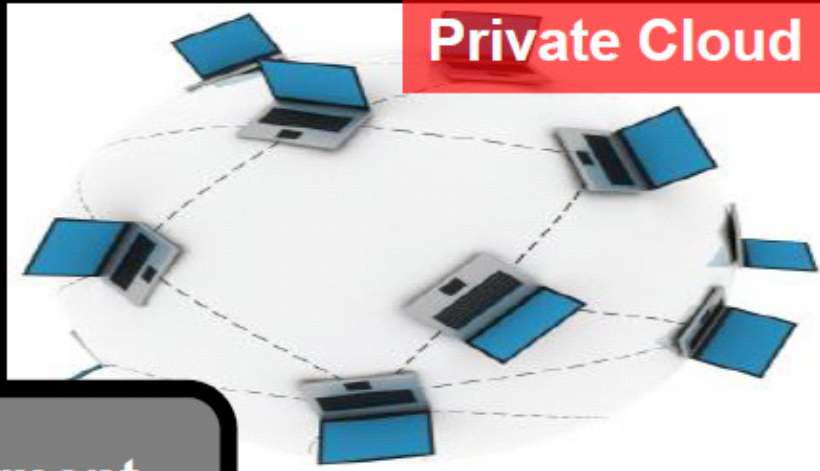
- A bit like a baby who can't tell you where it hurts
- OEM
  - but on steroids e.g.
    - Amberpoint for MDS
    - Moniforce for BPEL



**Public Cloud**



**Private Cloud**



**Deployment Options**

**On Premise**



**Hybrid**





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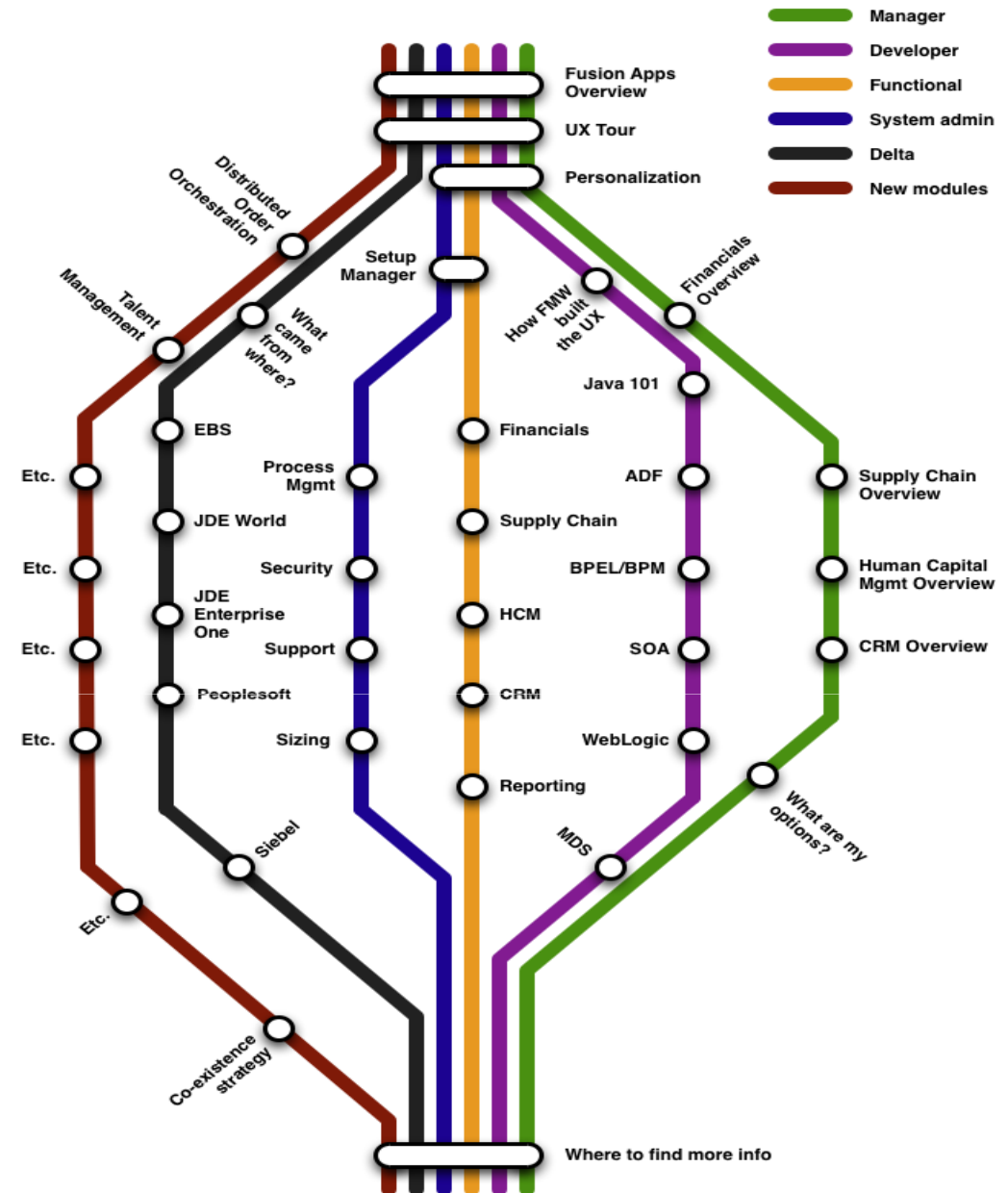
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# Sneak Preview

# IOUC are putting together a Fusion Applications Learning Path



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