

# Case Study Update: A Roadmap To Fusion Applications

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# Safe Harbor Statement

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# JPL...Some Background

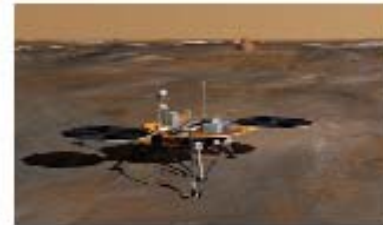
- Federally Funded R& D Center (FFRDC)
- NASA Center – About 5000 Employees
- Managed By The California Institute Of Technology
- Robotic Space Exploration Missions
- Culture Is Innovative, Creative and Entrepreneurial
- E-Business 11.5.10.2 + 3<sup>rd</sup> Party + Custom Apps



Mars Rovers



Cassini



Phoenix



Dawn

# Roadmap Introduction

- NBS 2.0 is the next iteration of ERP at JPL
  - Emphasis on integration and flexibility
  - Applying lessons learned so far
  - Keeping in step with Oracle
- Assumptions (for the moment)
  - Some flavor of Oracle ERP
    - Switch not feasible in current budget environment
  - Applications Unlimited viable through at least 2010
  - Lifetime Support runs through at least 2013 ☺
  - Some type of distributed computing model needed

# Background You Need To Know

- NBS is an Oracle shop
- Oracle's techstack is changing significantly
  - Integration
  - Web 2.0
  - Horizontal processes rather than vertical apps
- Moving with Oracle is our least-expensive option

# Where Do We Stand Today?

- This is Roadmap version 4.1
  - Sounds so much better than iteration 41, don't you think?
  - Changes are frequent and rapid
- High-level milestone overview
- Preparation required – the Fusion vision is like a whale sandwich

# Concern - Sunsetting Technology

- Reports -> BI Publisher (Oracle supported)
- Workflow -> BPEL (Not supported)
- Servlet Engine -> OC4J
- Jinitiator -> Sun Native Client
- Portal -> Web Center
- OAF -> ADF
- Mod pl/sql -> Simply eliminated (use BIP)

# Info On Workflow's Demise

- Process Navigator Flows
  - Migrated to ADF Task Flows
  - In 11g AS a new feature, Activity Guides, is planned to target these use cases
- Page Flows
  - Migrated to ADF Task Flows
- Simple Deferred Activities (DML activities)
  - Database Events
  - BPEL can also be used
- XML Transaction Flows
  - Transformations capabilities of E-Business Suite
  - BPEL can also be used
- Business Processes
  - BPEL Orchestration of system services and human tasks



# More On Workflow's Demise

**Metalink Note: 394387.1**

**How To Migrate Workflow Processes  
To Oracle BPEL Process Manager**

# Benefits – The Case For Fusion

- Emphasis on standards-based integration
  - Process-based integration via BPEL
  - Web services
  - Cuts across technology stacks (incl. non-Oracle)
- Apps based on business processes
  - Framed according to how we work
- Web 2.0
  - More interactive and tailorable user interface

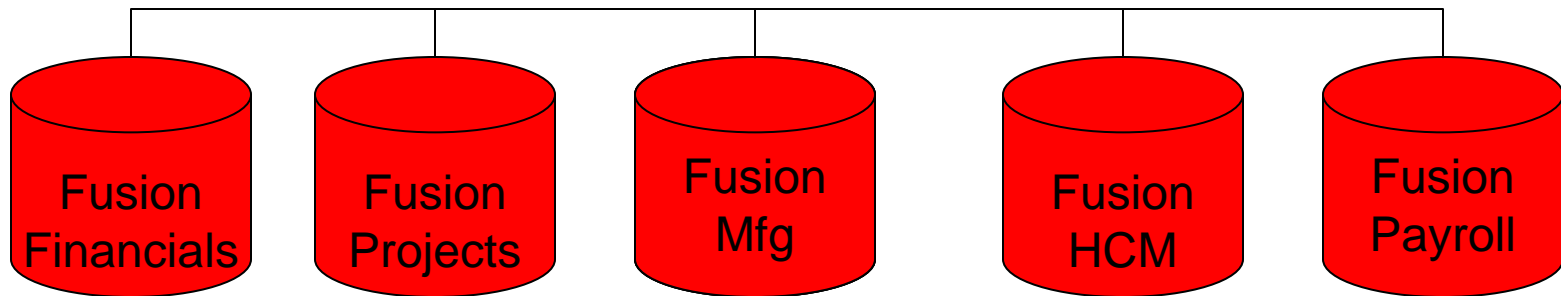
# Constraint – Full Functionality

- First integrated Fusion release will not be a full functionality replacement for EBS
- Later iterations and major releases
- Migrating will require a mix of classic EBS database and functionality-based Fusion Apps data “pillars”

# It's An Incremental Journey

**Functionality Will Roll Out In Increments Rather Than All At Once**

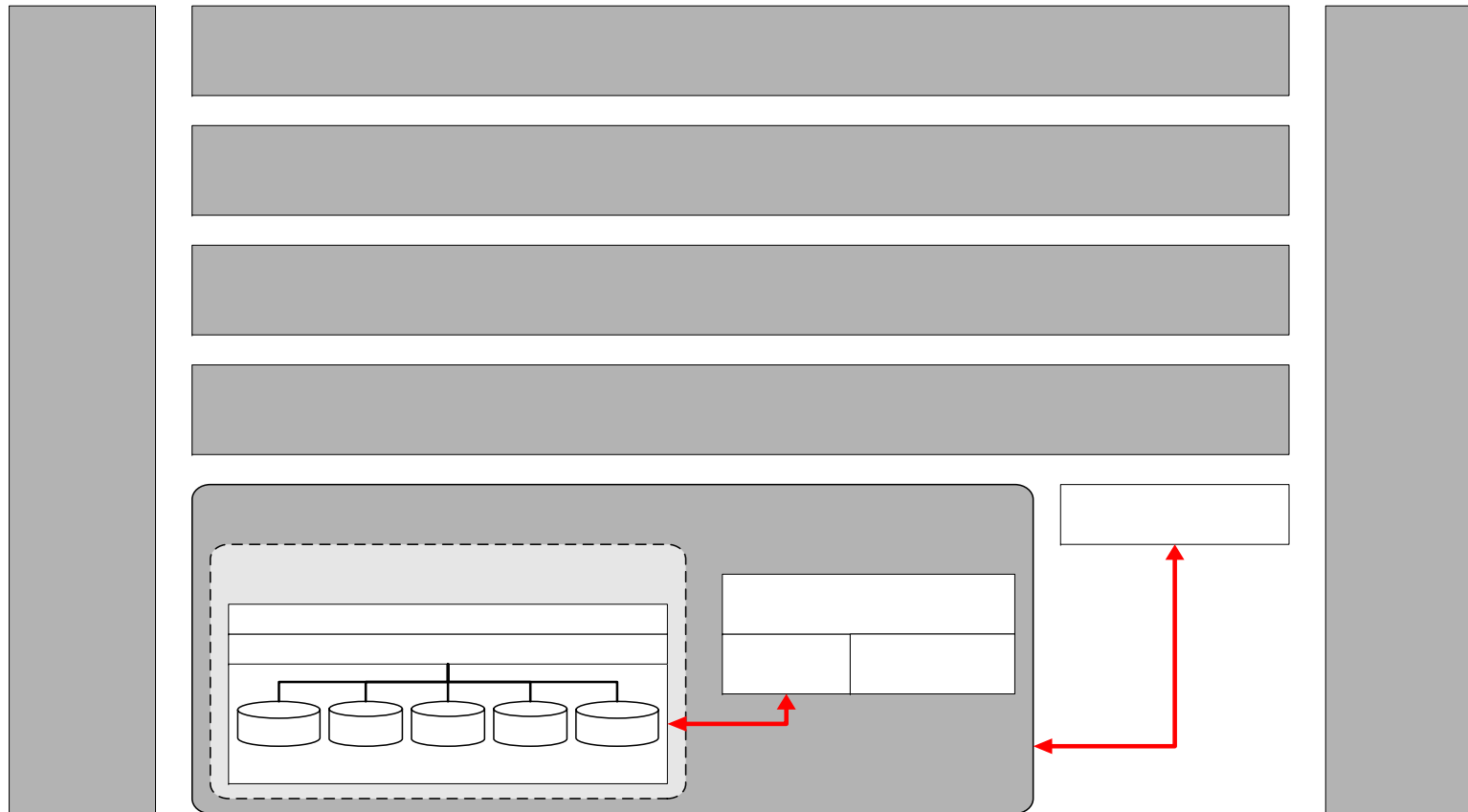
## Packaged Process Integrations



# The Approach

- Upgrade to R12 – baseline for incremental migration to Fusion Apps
  - Driven by external schedule and internal budget
- Subsequent incremental moves to Fusion Apps
- Start today with using Fusion Middleware components when opportunities arise
- Continue tracking future direction of Fusion Apps

# NBS Conceptual Architecture



# The Roadmap – How We Get There

## Roadmap Demo

# A Work In Progress

- The Roadmap is a work in progress
  - We'll continue to develop new iterations
  - Moving to Fusion Middleware and Fusion Applications incrementally
  - Eat the whale sandwich one bite at a time
- Already blogged
  - <http://ORCLville.blogspot.com>
  - Will include future updates



# How Do You Eat The Whale Sandwich?

- Catalog and reconsider your customizations
  - Decommission where you can
- Inventory your IT assets
- Build a Roadmap
- Work with Fusion Middleware now
  - It's all about the middleware
  - Pick one component and use it
    - Short-term project (3 to 6 months)
    - Non-critical business need
  - Build up incrementally
  - Keep track of Oracle's moves and progress

Questions?