

Multifaceted PeopleSoft 9.1 Upgrade – Application, Database, O/S & Hardware



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INTRODUCTION

PSDB Solutions Inc.

Raghav Pujari

- Established in 2004, located in Alpharetta GA.
- Engaged in providing consulting services :
 - PeopleSoft HCM/FSCM Upgrade
 - PeopleSoft HCM/FSCM New Implementation
 - Oracle Database Administration
 - Oracle/PeopleSoft Production Support
 - Monitoring and Performance Tuning
 - Platform migration services

- 20+ years of IT experience prominently in Oracle Technology, Infrastructure Project Management, PeopleSoft Architecture, Production Support, Performance Tuning
- Oracle 7.x, 8.x, 9.x, 10g Certified Professional (OCP – DBA Track)
- Area of expertise Hands-on : Infrastructure Architect, Oracle DBA, PeopleSoft Admin, Upgrade Specialist, System Administrator, Security Administrator etc.
- Performed multiple Oracle PeopleSoft HR/ Finance major upgrades and platform migration projects, New Implementation, Support and Management of hosted environment.



INTRODUCTION

Cox Enterprises Inc.

- Diversified media company headquartered in Atlanta, GA
- Major divisions include :
 - Cox Communications
 - Cox Media Group (15 TV Channels, 80 Radio Stations)
 - AutoTrader.com – Online Car Listing Company
 - Manheim Auctions – Wholesale Vehicle Auction
 - Cox Newspapers
 - Platform migration services

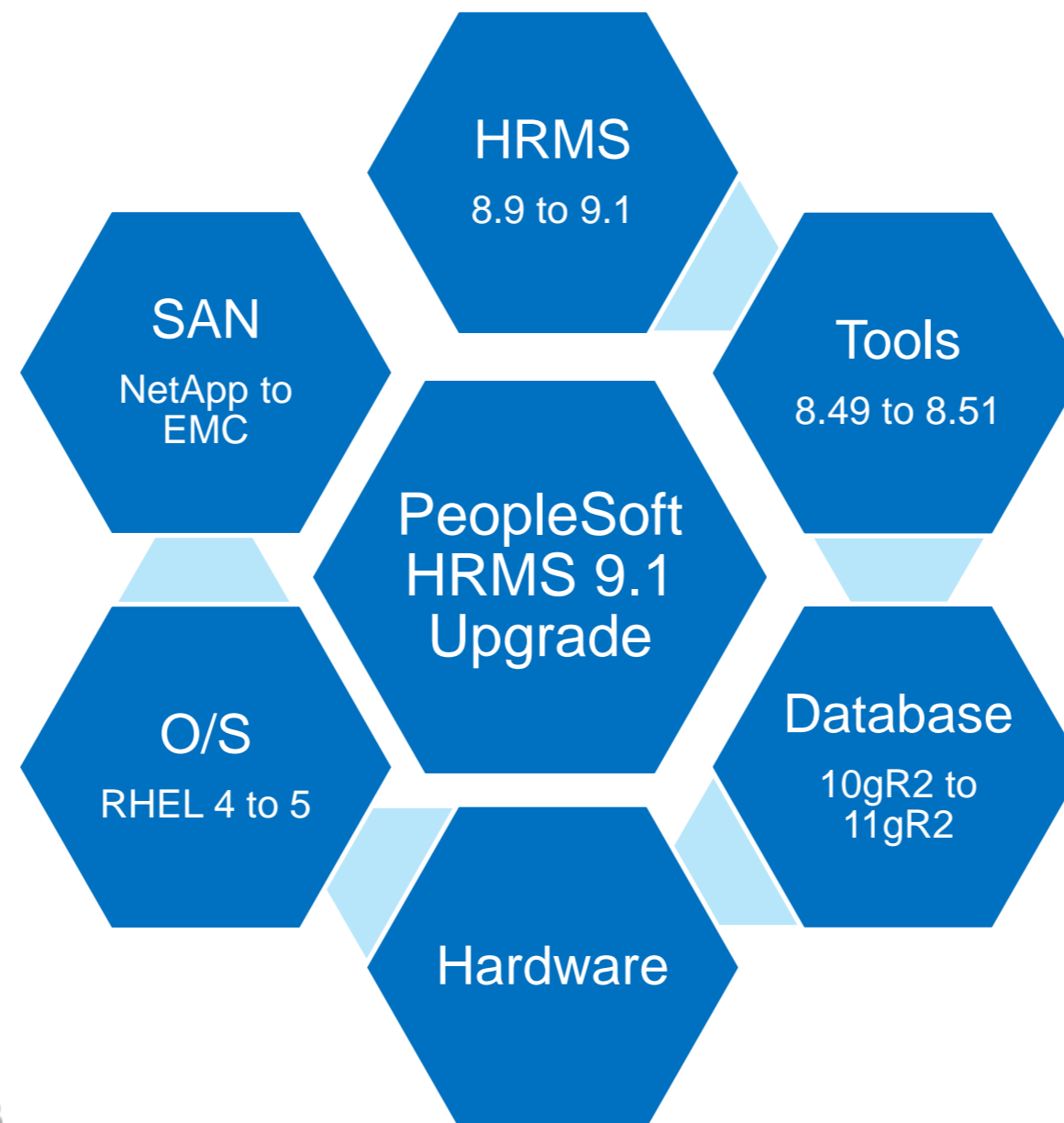
Ramesh Babu

- 15+ years of IT experience primarily in Oracle and PeopleSoft Technology.
- Oracle 7.x to Oracle 11gR2 RAC, PeopleSoft HCM 8.3, 8.9 and 9.1, PeopleSoft Financials 8.3, 8.9 and 9.1, STAT 5x, Vista Plus 5x etc.
- Area of expertise Hands-on : Oracle DBA, PeopleSoft Application Admin and System Admin, Shell Scripting automation etc.
- Performed multiple Oracle PeopleSoft HR/ Finance major upgrades, People Tools Upgrade, Oracle Database Upgrade, STAT implementation and Upgrades,
- Vista Plus Admin, PeopleSoft Integration Broker/Web service, Load Balancing and Load Testing, platform migration projects,
- New Implementation, Support and Managing 50+ PeopleSoft Databases etc.



Multifaceted PeopleSoft 9.1 Upgrade

Scope of the Upgrade



Upgrade Project Scope in detail

Application Upgrade HRMS 8.9 to 9.1

- Absorb 9.0 and 9.1 changes to the system
- Implement Telemetry for Resume Processing and re-implement Recruiting
- Implement AWE Functionality for MDA and Recruiting
- Implement Delegation for T & L

PeopleTools Upgrade 8.49 to 8.51

- Ensure custom portal works with new tools release
- Merge 9.1 PeopleSoft Security with existing use custom security
- Clean-up orphan queries/ Audit Reports etc.
- General improvements to navigation and system appearance

Database Upgrade 10gR2 to 11gR2

- Implement new features in 11gR2 RAC/ ASM
- Implement data-pump for refresh/backup development databases
- Install and configure Oracle Enterprise Manager (OEM) Grid Control



Upgrade Project Scope in detail

Hardware Upgrade

- Replace new hardware with more memory and quad core processors
- Relocate DR site from East Coast to West Coast

O/S Red Hat Enterprise Linux Upgrade

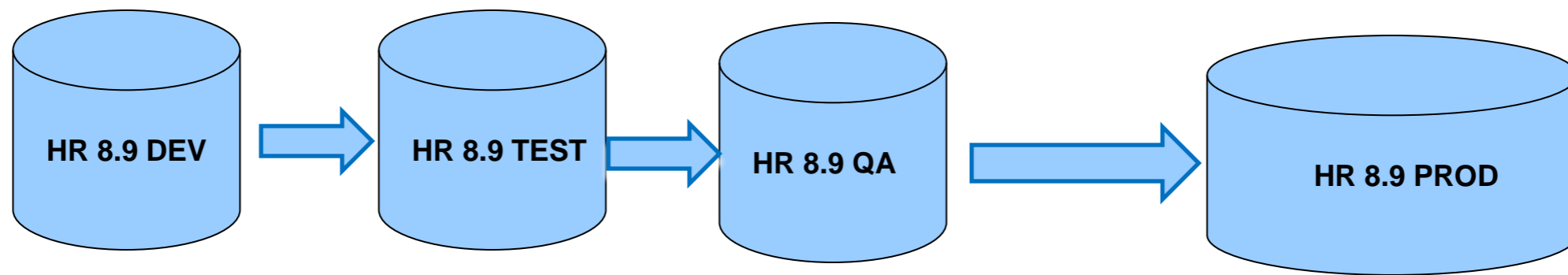
- Upgrade Linux version from 4.0 to 5.2

Storage Array Network (SAN) Upgrade

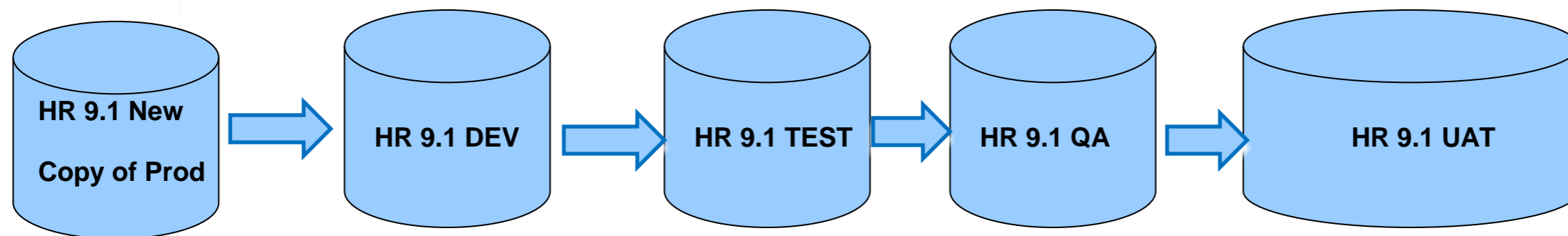
- Replace NetApp SnapMirror with EMC RecoverPoint



Upgrade Challenge : Managing Customization



Current Application Release customization workflow

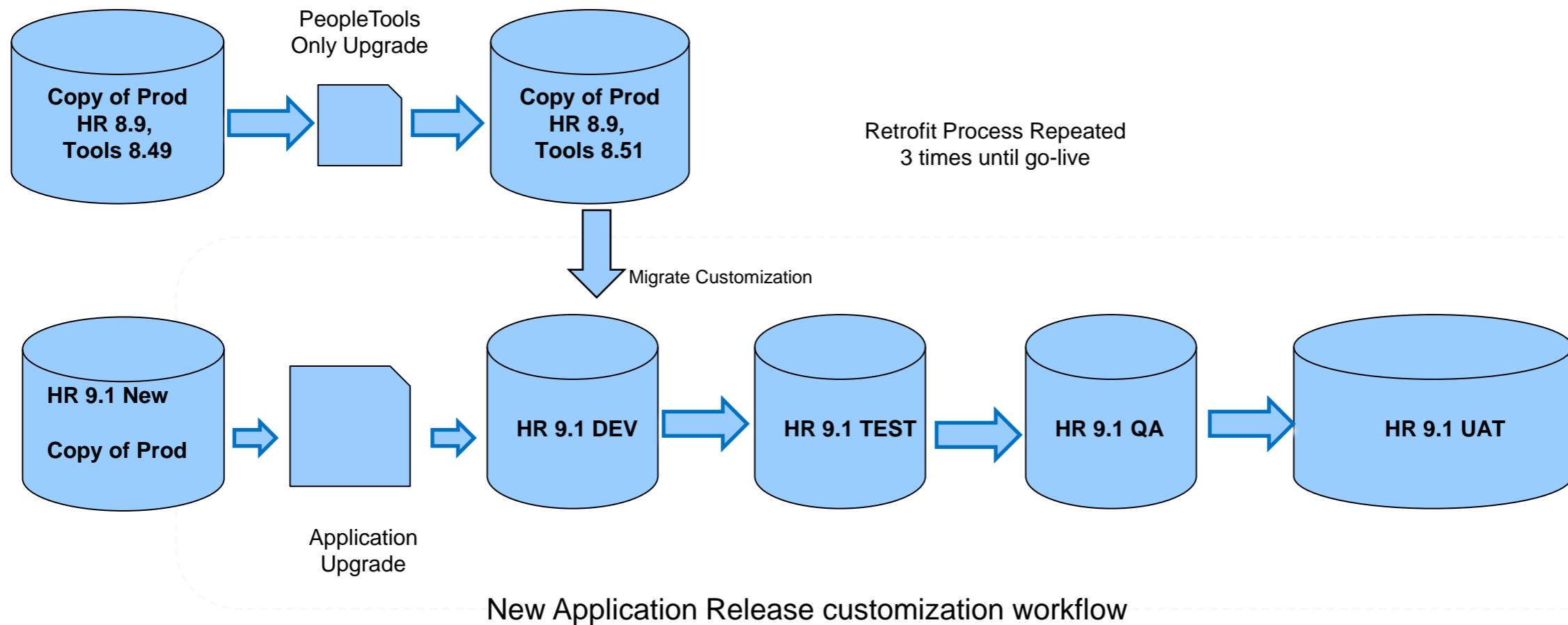


New Application Release customization workflow

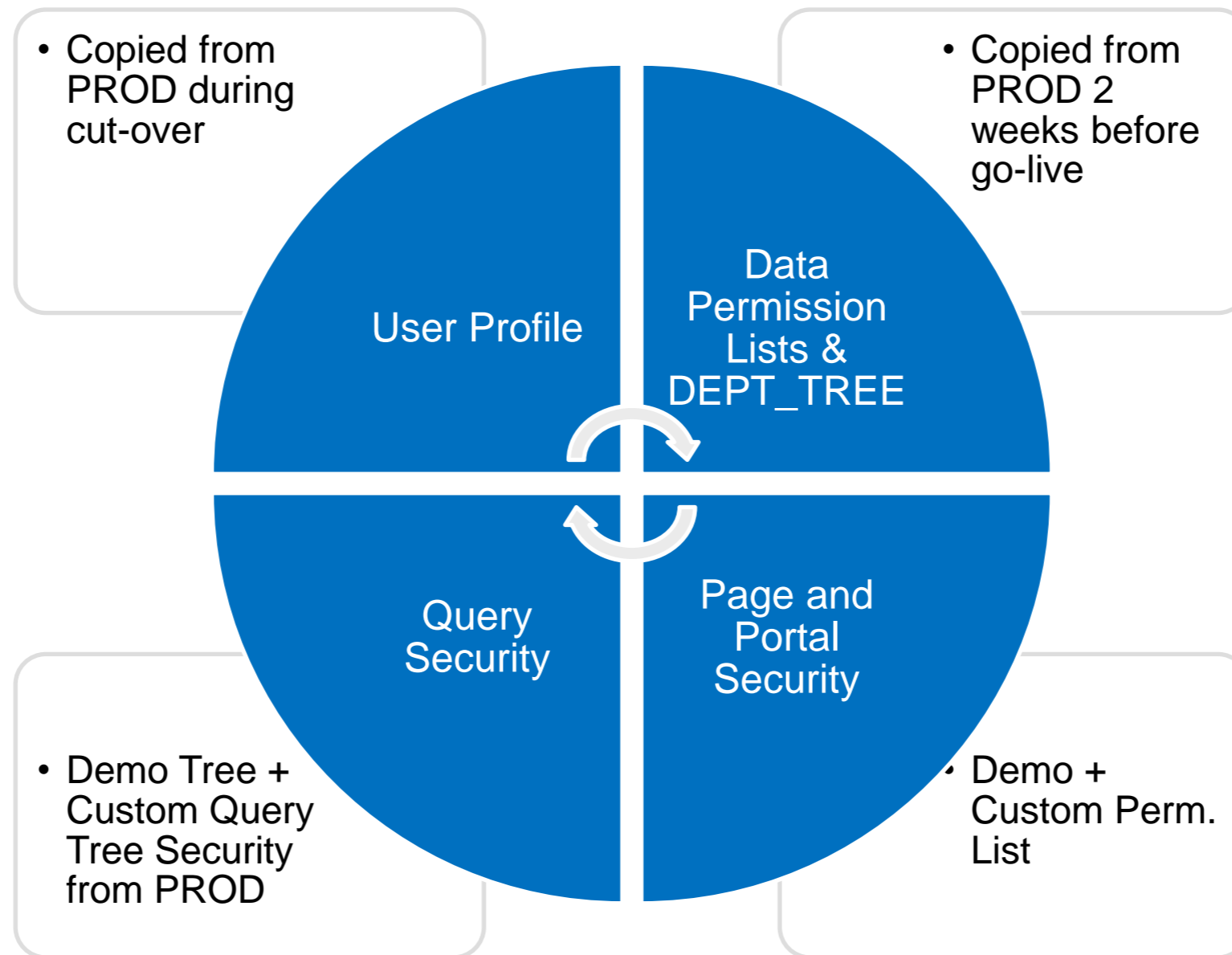


Upgrade Challenge : Managing Customization

Customization Retrofit Process



Upgrade Challenge : Managing Security



Upgrade Challenge : Manual Tasks

Security Related Manual Tasks

- Track any changes to Page/Component Security
- Track any changes to Query Security Tree

Identify and merge changes

- Text Catalog, Message Catalog
- Customized rows in Setup Tables e.g. PERSON_DT_SETUP, TL Rules, Garnishment Rules Tables
- Drop old release tables/views

Upgrade Challenge : Downtime Window

Management

- Convince Steering committee for @80 hours of production downtime
- Tight co-ordination among various groups

Network/Hardware Changes

- Could not test any network related changes before go-live
- Un-mount NFS share and mount to new hardware

DB Upgrade

- Use NFS mounted FS for copying Export Dump
- Tables imported without indexes and indexes built parallel per node
- Large archive tables retained from mock go-live upgrade pass



Upgrade Challenge : Downtime Window

Upgrade CA Job

- Performed un-related and long running processes in parallel
- Converted manual tasks to automated

Post Upgrade Manual Tasks

- Executed manual tasks in parallel
- Minimized some impact by enforcing Change freeze to security and Dept Tree @ 15 days before go-live

Smoke Testing

- Performed smoke testing for HR/ Benefits/ Recruiting etc.



Upgrade Project Constraints/ Dependencies

External

- Delivery of Upgrade Initial Pass from vendor upgrade lab
- DR Site relocation
- Delivery of new hardware from vendors

Internal Projects

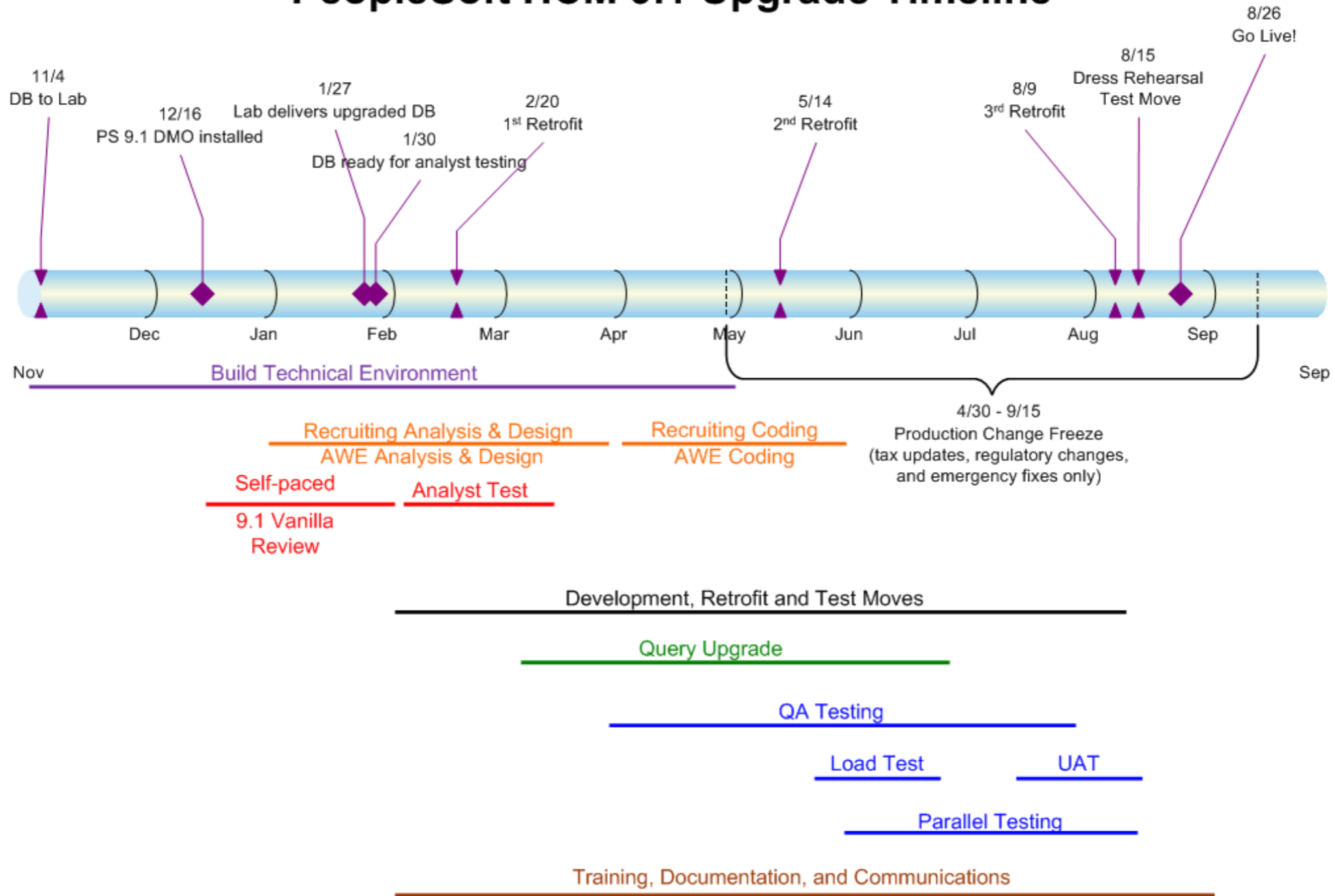
- Oracle 11g Upgrade
- Custom Portal Upgrade
- Oracle EBS Project

Upgrade

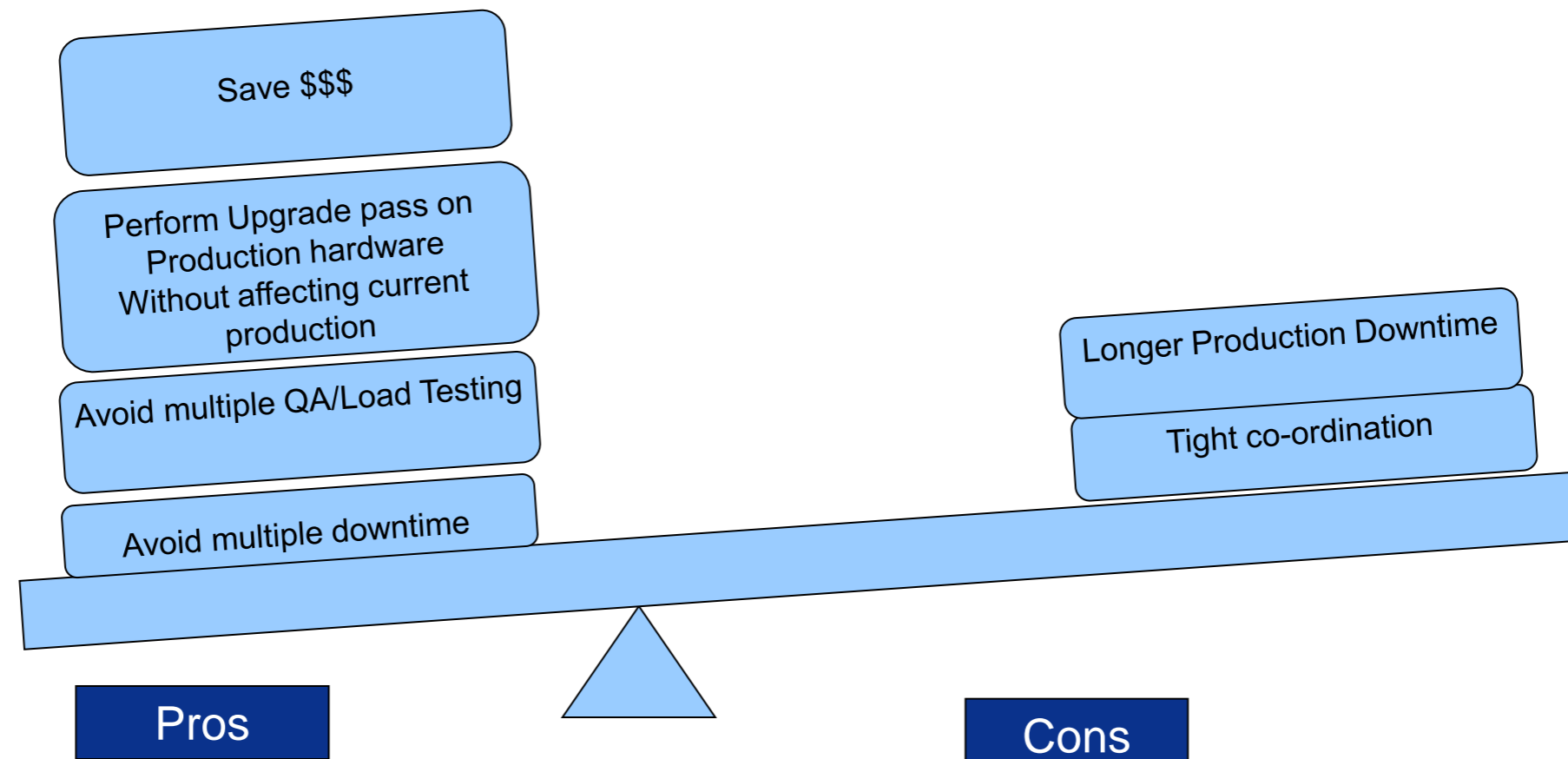
- Production Change Freeze (non-critical)
- Production Code Freeze
- Production Security Freeze 15 days before



PeopleSoft HCM 9.1 Upgrade Timeline



Pros and Cons of Multifaceted Upgrade



Questions? Comments?



PeopleSoft

RECONNECT

A PeopleSoft Modular Deep-Dive Event
July 23-25, 2013 Rosemont, Illinois

Mark Your Calendar!

JD Edwards

INFOCUS

A JD Edwards EnterpriseOne Deep-Dive Event
December 2-4, 2013 Denver, Colorado



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