

# Upgrading Oracle e-Business Suite from 11.5.9 to R12

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# Agenda

- About RIT
- Upgrade project overview
- General observations
- Differences between 11.5.9 and R12
- Upgrade process
- Upgrade process issues
- Product issues
- RIT extensions
- Discoverer

# About RIT

Module	RIT version	Current version
Financials	FP E	FP G
Procurement	FP B	FP E
iRecruitment	MP E RUP1	MP E RUP 2
HR	FP K RUP2	FP K RUP2
ATG	FP H RUP 5	FP H RUP 6

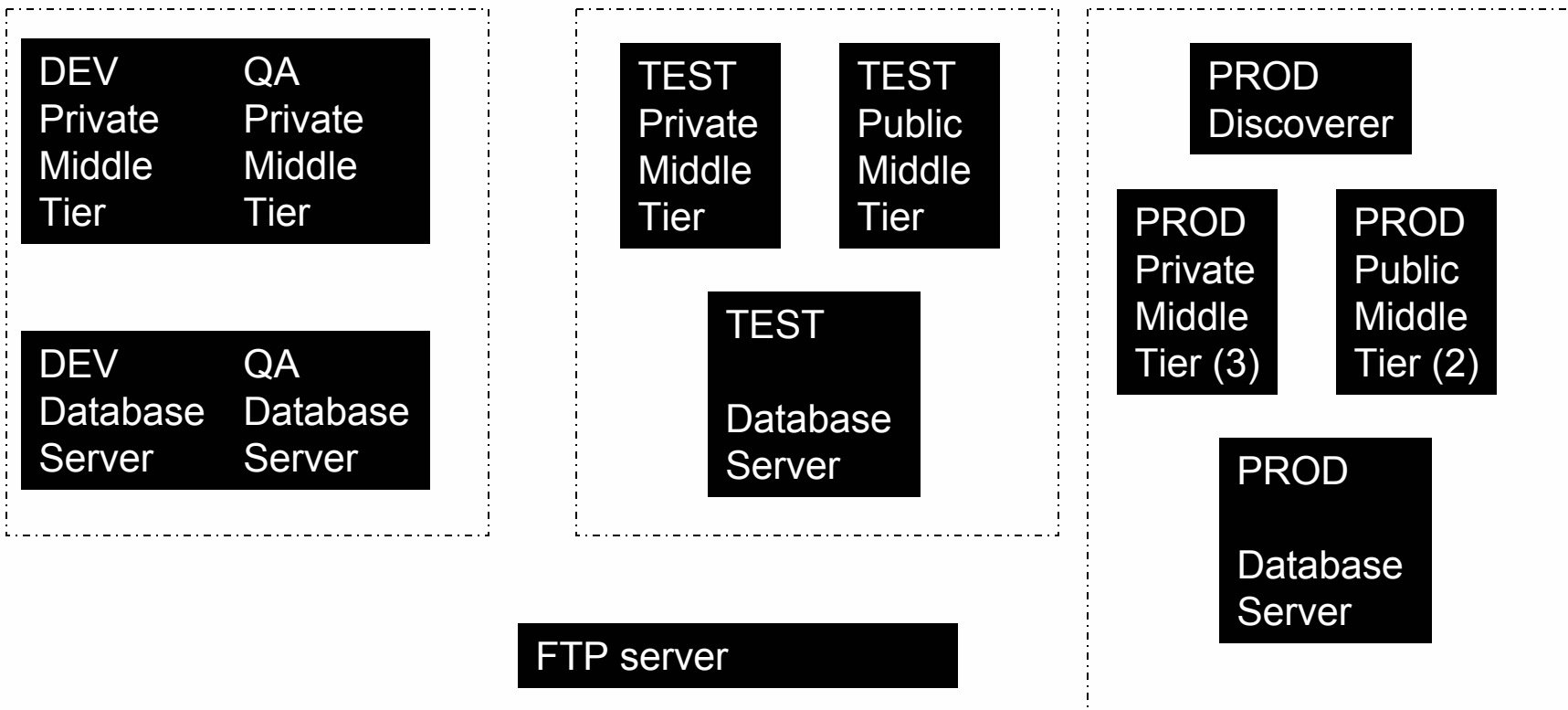
Currently running 11.5.9

# About RIT

- Run bi-weekly & semi-monthly payrolls
- ADI used by power Financials users
- Discoverer used for HR & financial data analysis
- DBA & systems administration support activities outsourced to Oracle on Demand

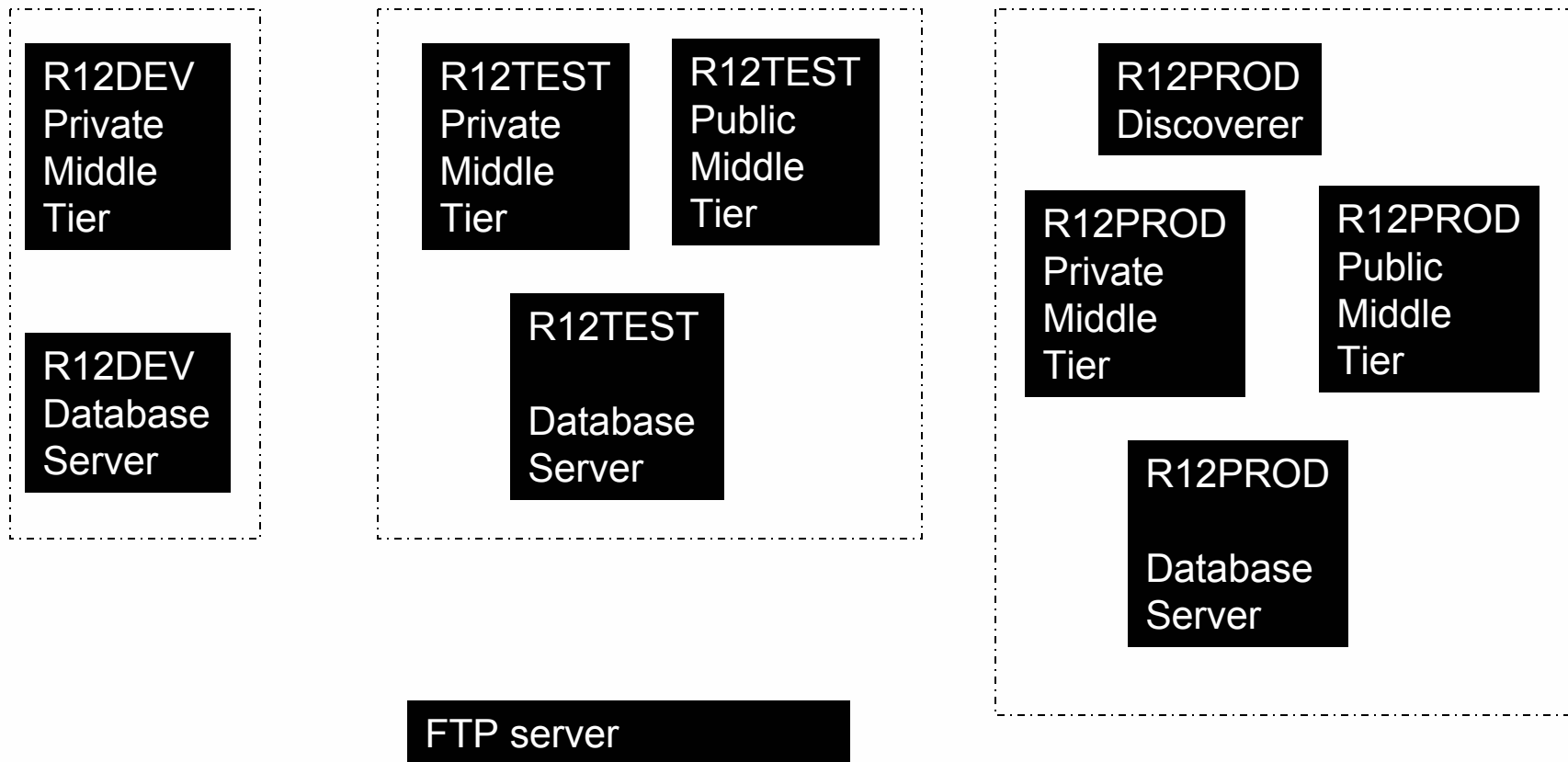
# About RIT

11i environments



# About RIT

R12 environments



# Project philosophy

- Technical upgrade
  - Accept only mandatory functional changes
- New R12 functionality deployed in phases after the upgrade completed

# Upgrade project overview

- Project philosophy
- Project team
  - RIT developers & power users
  - Oracle on Demand project team
  - Third party consulting
    - CEMLI conversion
    - Functional support
- Overall project timeline
- Project environments

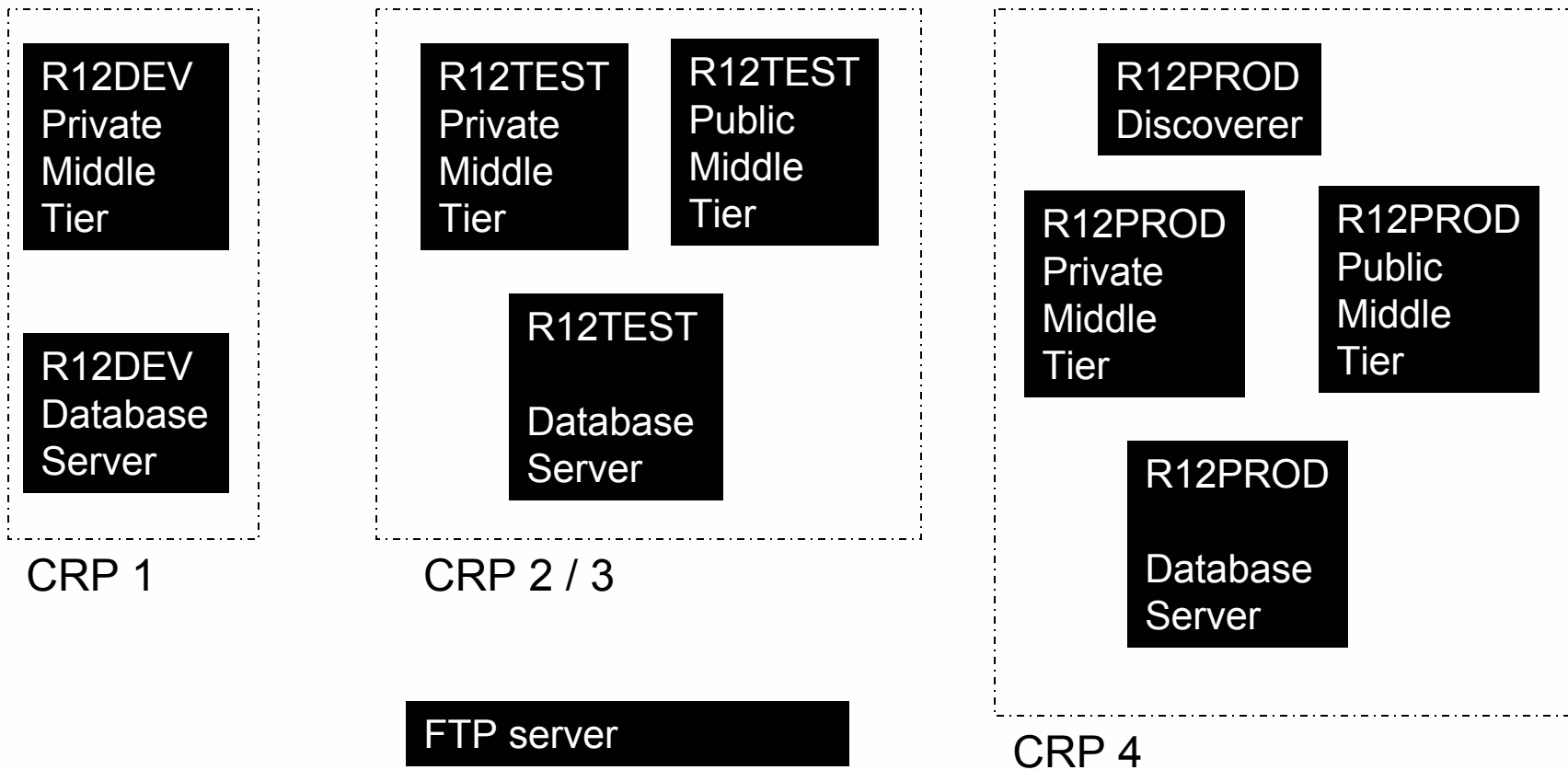


# Project timeline

- Project start – 9/12/07
- CRP 1 – 11/9/07
- CRP 2 – 12/18/07
- CRP 3 – 2/21/08 (bi-weekly parallel)
- CRP 4 – mid-March (semi-monthly parallel)
- Go-live – Memorial Day weekend 2008

# Project environments

R12 environments



# General observations

- Product software
- Setup
- Documentation

# Product software

- Quality not as good as 11.5.9
  - Error messages didn't mean anything since transaction completed successfully
  - Brand new functionality didn't work at all initially
- Protection via centralization seems to be a goal
  - Good idea, not well implemented, especially for cross module functionality

# Product software

- Responsibility level security didn't work
  - Account Analysis report in GL
- More source code in Java which can't be viewed by developers
- “Too many programmers spoil the software”
- Numerous new schemas & API's

# Setup

- More setup needs to be done
- Required setup more complicated than it was in 11i

# Documentation

- Not as good as 11i (technical & functional)
- Integration Repository replaces API guide
  - Concurrent program documentation acceptable
  - Technical API documentation weak
- Useful notes
  - 403349.1 (TOI on-line training)
  - 423541.1 (R12 RUP release schedule)
  - 433461.1 (R12 maintenance strategy)

## **Differences between 11.5.9 & R12**

- Operating unit
- Sub-ledger accounting
- TCA
- Tax Manager
- AP
- TINS
- Web based forms
- New searching standard



# Differences

- Operating unit
  - Not a big deal, make sure Operating Unit Mode was set properly
- Sub-ledger accounting
  - General Ledger Interface program replaced with Create Accounting program
  - All sub-ledger data consolidated, no longer stored in each module

# Differences

- TCA
  - Huge impact
  - Data has “single source of truth”
- Tax Manager
  - Centralized formerly decentralized taxes
  - Had to setup in order to disable
- AP
  - Remittance
  - Suppliers

# Differences

- TINS
  - Individual\_1099 field
  - Add back via personalizations
- Web based forms
  - Check that functionality still exists in custom responsibilities
  - Remove unneeded functionality from responsibilities
- Search coding
  - DQM functionality

# Upgrade process

- Refresh 11i prod to 11i dev
- Execute pre-upgrade steps in 11i dev
  - Includes implementation specific tasks
- Move 11i instance to R12 hardware
- Perform R12 upgrade
- Perform R12 post upgrade steps

# Upgrade patches applied

Patch	Note
5120936.11i	Applied in 11i instance
5233248.11i	Applied in 11i instance
4502962.A	
4440000.0	
4377566.A	
5051400.R12	
6272715.A	

# Upgrade patches applied

Patch	Notes
6141000.0	
6507026.A	
6133333.A	CRP's 2 & 3 (not available during CRP 1)
120GLOBAL	
5717700.R12	
5843357.A	Applied as result of issue in CRP 1 upgrade process

# Upgrade patches applied

Patch	Notes
6026929.A	OoD specific patch
4630372.A	CRP 2 only
6265820.A	
6361318.A	
6333519.A	CRP3 only (upgrade issue)
6401588.A	CRP 3 only (upgrade issue)

# Upgrade process issues

- iRecruitment moved to it's own "top"
  - Required some upgrade tasks to be completed manually
- AR taxes from Vertex
  - Needed to upgrade Vertex license
  - Issues during loading of data
  - Issues 'finding' Vertex data once it was loaded



# Product issues

- AP
  - Creating & maintaining suppliers
  - Remittance
- AR
  - Collections
  - Vertex
- Fixed Assets
  - Mass allocation
  - Depreciation

# Product issues

- HR
  - Form templates
  - Security list maintenance
  - Data synchronization between HR & AP
- iRecruitment
  - Missing personalizations

# Product issues

- No major issues
  - Cash Management
  - General Ledger
  - Purchasing
  - Payroll
    - Limited testing to date

# Product issues

- Data available to be queried upon
- AR & PO reports returning no data
- AP reports shipped without XML templates
- Needed to run Generate Run Balances program to get data to appear on US Gross To Net Report for Payroll
- Value sets needed to be modified

# Product patches applied

- 6350666.A
- 6353624.A
- 6365474.A
- 6391632.A
- 6430537.A
- 6523981.A
- 6687238.A
- 6698108.A
- 6714400.A
- 6728124.A
- 6743991.A
- 6746584.A
- 6764546.A
- 6831127.A

# RIT extensions

- Custom reports based on standard Oracle functionality
- Custom functionality using standard Oracle tables / views
- Customized and custom workflows
- New extensions
  - Sync HR & AP data
  - Pay employees at site other than home or office
- Expected work took longer than expected to complete

# Discoverer

- 11i - Discoverer version 10.1.0.48
- “invalid username / password” error when connecting to R12 instances
- Substantial changes needed to enable Discoverer to connect to R12 instances

# Discoverer

- Windows registry additions
  - HKEY\_CURRENT\_USER
  - Software -> Oracle -> Discoverer 10 -> Database
    - EnableTriggers
    - DefaultPreserveDisplayPropertyFor Refresh
  - REG\_DWORD, value 1
- Use <instance>.dbc files
  - Create new directory to place them in
  - Add system variable FND\_SECURE



# Discoverer

- Upgrade opatch
  - PERL
  - Update PATH system variable
  - Apply patch 2617419
- Upgrade desktop clients
  - Apply patch 5592391 (password protected)
  - Upgrades to 10.1.2..50.05

# Q&A

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