Oracle Pharmaceutical Apps (OPA) and Apps 11i Comparisons and Possible Integration Paths

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Acknowledgements

- Thanks to the OCUG and the OCUG ACM Focus for this opportunity to present and for their infinite patience in reviewing this presentation.

- Thanks to my respected colleagues at Oracle Corporation whose input and insights were truly invaluable

- Thanks to the audience for attending.

Agenda

- Present a comparison of OPA and Oracle E-Business Suite Applications 11i

- Discuss Oracle Project Fusion and the impact on Oracle Apps 11i

- Discuss projected impact on future directions of OPA

Disclaimer

- Any comments on the future direction of OPA and possible integration points between OPA and Apps 11i are the **opinions** and **guesses of DBMS Consulting**, and are **not** based on any written or verbal statements from Oracle itself, and should **not be construed** as any statement of direction or fact from Oracle itself.

Why Compare OPA and Apps 11i?

- Oracle is at a strategic point in its history today. Having acquired Peoplesoft and JD Edwards, Oracle must look to consolidate its Application base and integrate all customers into one standard set of Application tools.

- Additionally, many vertical applications (Industry Solutions) exist within Oracle. The current need to integrate all Applications within Oracle to a common platform and direction makes the current point in time the most likely point in time where such an integration effort can begin.

Why Compare OPA and Apps 11i? (2)

- From an Administration perspective, looking at Apps 11i can provide valuable insights into Oracle's future direction for **all applications,** including OPA.

- Understanding where the potential future direction of technology components of OPA can allow OPA Administrators to plan their environments accordingly.

- By examining the current architecture of both Apps 11i and OPA, we can see how close these application suites have become, and then possibly predict their integration points in the future.

Comparison of OPA and Oracle E-Business Suite Apps 11i (1)

- ## Architecture

OPA   11i

Multi-tier Architecture (Client Tier, Application Tier, Database Tier)	Multi-tier Architecture (Client Tier, Application Tier, Database Tier)
Client Tier: •Access through browser •Jinitiator plug-in	Client Tier: •Access through browser •Jinitiator plug-in

Comparison of OPA and Oracle E-Business Suite Apps 11i (2)

- Architecture (cont)

OPA	11i
Application Tier: •Split 9iAS Forms and 10g Reports configuration •HTTP Server: 9iAS 1.0.2.2.2 •OS: Windows •OPA_HOME	Application Tier: •Forms and Reports share same Developer 6i software •HTTP Server: Certified for 9iAS 1.0.2.2.2 and AS10G •OS: Windows, Linux, UNIX (Solaris, HP, etc) •APPL_TOP * Supports multiple load-balanced Application Tier servers in a shared filesystem configuration

Comparison of OPA and Oracle E-Business Suite Apps 11i (3)

- Architecture (cont)

OPA	11i
Database Tier: •OS: Windows, Solaris, HP •DB: 9i • Includes Batch Processing (PSUB daemon)	Database Tier: •OS: Windows, Linux, UNIX (Solaris, HP, AIX, etc) •DB: 9i, 10g •Batch Processing is part of Application Tier, but can be optionally installed on same server as DB Tier (can optionally have single-node or multi-node configurations)

Comparison of OPA and Oracle E-Business Suite Apps 11i (4)

– Installation

OPA	11i
Oracle Universal Installer	Rapid Install (Rapid Wizard Interface; AutoConfig)
DB Tier Filesystem: 2.5G App Tier Filesystem: < 1G	DB Tier Filesystem: 31G * Add'l 800M per NLS language App Tier Filesystem: 26G (iAS/806 HOME; COMMON_TOP; APPL_TOP) * Add'l 10G per NLS language
Memory: 1000M	Memory: ~25M/user (App Tier)

Comparison of OPA and Oracle E-Business Suite Apps 11i (5)

- Batch Processing

OPA   11i

PSUB and Reporting Server	Concurrent Managers (calls Report Server for reports)
Job Sets	Request Sets
Features: •View/print log/out files •Scheduled or executed immediately •Batch validation/derivation procedures	Features: •View/print log/out files •Scheduled or executed immediately •Concurrent programs (may be defined to run customized procedures)

Comparison of OPA and Oracle E-Business Suite Apps 11i (6)

- User Administration

OPA	11i
Individual application user accounts (logins at OS and DB and requires OPS$ prefix) Example: OPS$ORACLIN	Individual application user accounts (no login at OS; APPS user in DB; doesn't require OPS$ prefix) Example: SYSADMIN
Menu Access table-driven and controlled by database ROLES Example: RXC_SUPER	Access controlled by application defined RESPONSIBILITIES Example: System Administrator
At OS: •Oracle software owner: oracle •Applications owners: opapps, rxcprod, and opareps	At OS: •Oracle software owner: "oracle" •Applications owner: "applmgr"

Comparison of OPA and Oracle E-Business Suite Apps 11i (7)

- Products/Modules

  OPA   11i

OPA	11i
Interfaces with 3rd Party Products Example: SAS	Interfaces with 3rd Party Products Example: Vertex
Product Modules: 7	Product Modules: 200+
Schemas: •OPA schema for storing shared application objects	Schemas: •Separate schema for each product (e.g GL for General Ledger, HR for Human Resources, etc) •FND schema for storing shared application objects

Comparison of OPA and Oracle E-Business Suite Apps 11i (8)

- Application Look and Feel

  OPA   11i

Oracle Clinical: Jinitiator-dependent components: Forms, Menus, Toolbars	ERP: Jinitiator-dependent components: Forms, Menus, Toolbars
TMS Lite Dictionary: browser-only components	CRM: browser-only components: OA Framework, Java/JSP web pages, self-service apps
User Personal Profile settings (date/time display, etc)	User Personal Profile settings (date/time, language, etc)

Comparison of OPA and Oracle E-Business Suite Apps 11i (9)

- Patching

OPA   11i

OPA	11i
Applications Patches: iPatch shell scripts, SQL scripts, or .bat files with Winzip.	Applications Patches: drivers applied using AutoPatch utility •Maintenance Packs, Consolidated Updates, Family Packs, Mini Packs, one-off
Technology Stack Patches: Oracle Universal Installer, opatch, or as directed by the patch readme	Technology Stack Patches: Oracle Universal Installer, opatch, or as directed by the patch readme

Comparison of OPA and Oracle E-Business Suite Apps 11i (10)

- Internationalization Support

OPA	11i
NLS Option at DB Example: UTF8	NLS Option at DB Example: UTF8
NLS Applications (Japanese)	•NLS Applications (about 30 languages) •Also has country-specific localizations that can be installed

Comparison of OPA and Oracle E-Business Suite Apps 11i (11)

- Debugging Facilities

OPA   11i

DEBUG MODE	DEBUG profile options for
• OPA_DEBUG table and OPA_DEBUG package (utl_file_dir)	various products •Debug log files generated at OS (utl_file_dir)
SQL and Forms tracing can be enabled	SQL and Forms tracing can be enabled

Comparison of OPA and Oracle E-Business Suite Apps 11i (12)

- History

OPA	11i

•OC 3.1.1
 	
  – Client/Server mode with 2 tiers
 	
    •DB: Database, PSUB Daemon
 	
    •Client: Forms GUI, OC application
	•Apps 10 & 10SC
	
	  –Character-mode and Smart Client (Client GUI)
	
	  –Two Tiers
	
	    •DB: database, app, conc mgrs
	
	    •Client: GUI forms, client app

Comparison of OPA and Oracle E-Business Suite Apps 11i (13)

- History

OPA	11i
•OC/TMS 3.2	•Apps 10 .7NCA
–Optional Addition of Third Tier	–Addition of Third Tier
–DB: Database, PSUB daemon	•DB: database
–Application Tier: OC/TMS application, Forms, Reports, Oracle Web Server	•App: app, tools (forms), web application server
–Client: J-Initiator 1.1.7.32	•Client: Java appletviewer
•OC/TMS 4.0.2/4.0.3	•Apps 11.0
–Required 3-Tier Architecture	–Self-Service Web Apps
–Web-Only components for TMS Lite Browser and TMS Web Search Engine	–Three Tier architecture (similar to 10.7NCA)

Comparison of OPA and Oracle E-Business Suite Apps 11i (14)

- History

OPA	11i

• OC/TMS 4.0.3/4.0.5
   – More use of multiple Middle Tiers and Separate Report Servers
   – Use of 9iAS instead of OAS/Web DB
• OC/TMS/RDC 4.5
   – Introduction of Servlet Architecture, J2EE, OC4J
   – Starting point for completely Forms independent applications in RDC
   – TMS Lite Browser uses all Oracle Web UIX components
	• Apps 11i
	   – Multi-Tier Architecture
	     • DB: database
	     • App: HTTP and Tools
	     • Client: JInitiator
	   – Internet Computing architecture

Project Fusion and Impact on Oracle Apps 11i (1)

- What is Project Fusion?
  - Oracle's plan to combine the best of Oracle, PeopleSoft, and JD Edwards software into a single codebase
    - Oracle E-Business Suite
    - PeopleSoft Enterprise
    - JD Edwards EnterpriseOne and World

Project Fusion and Impact on Oracle Apps 11i (2)

- What is Project Fusion Timeline?
  - Oracle Fusion Middleware – already available 2005
  - Oracle Fusion Applications (Financials) – projected 2007
  - Oracle Fusion Complete Suite – project 2008
  - Oracle Fusion Additional Vertical Functions – Gartner prediction 2013

Project Fusion and Impact on Oracle Apps 11i (3)

- Impact on Oracle Apps 11i
  - Oracle Fusion Applications will leverage Oracle Fusion Middleware components:
    - Application Server 10g (Application Developer Tools, J2EE, Web Services, Portal, Oracle Identity Management, Business Intelligence, etc)
    - Data Hub
    - XML Publisher
  - Project Fusion will move towards a more service-oriented architecture (SOA), as opposed to the application-centric focus of the current ERP architecture

Project Fusion and Impact on Oracle Apps 11i (4)

– Project Fusion Applications will utilize open, standards-based, industry-driven technology: J2EE, XML, SOAP, BPEL, LDAP, HTTP, TCP, etc

  • Oracle Forms will continue to be supported in the foreseeable future. However, since Forms is a proprietary tool and with the move towards open standards in Project Fusion, it is likely that the ERP Apps will merge toward the CRM Apps architecture, utilizing HTTP, J2EE, etc

Projected Impact on Future Directions of OPA (1)

- Future Directions of OPA
  - Likely to be incorporated into Oracle Fusion Applications along with other Vertical Functions, predicted in 2013
  - Possible integration points
    - OPM (Oracle Process Manufacturing)
      - Process Planning, Regulatory Management, Product Development, etc components
    - HTB (Healthcare Transaction Base)
      - Clinical Services, Patient Services, etc functionality
      - Common use of HL7 in Oracle AERS and HTB
      - Common repository for MedDRA in TMS APIs

Projected Impact on Future Directions of OPA (2)

- – Possible integration points (cont)
  - • TCA (Trading Community Architecture)
    - – Data repository for entities such as Organization Profiles, Person Profiles, Locations, and Party Sites to provide a unified view of the people, organizations, places and relationships
    - – Infrastructure for Customer Data Hub, which is a single view of the customer base consolidating and synchronizing customer data from various systems into a central operation data store through Oracle Customers Online and Customer Data Librarian

Looking for the Signs of Integration between OPA and 11i

- These are some of things might indicate in the future when the integration of Apps 11i and OPA is near:
    - When licensing for OPA must go through the Apps 11i sales organization
    - When installation of OPA automatically installs an Apps 11i schema set
    - When OPA has an option to install a preloaded/pre-QA tested database in a RapidWiz installation
    - When OPA has an FND schema or the first FND objects appear in OPA
    - When TrialMinder and SiteMinder can read financial data directly from Oracle Financials, and when TrialMinder and SiteMinder can also update A/P,A/R,G/L modules

Looking for the Signs of Integration between OPA and 11i (2)

- When OPA adopts "Family Packs" for major patchsets, or can use ADPATCH to apply patches
- When the release numbering of OPA is harmonized with the Apps 11i release sets
- When Oracle On-Demand can support OPA as well as Apps 11i
- When OPM and HTB and OPA are packaged together in the same CD Packs and Release versions
- When the management of OPA falls under the Applications division of Oracle (This has already happened)

Conclusions

- Some degree of integration of Oracle Apps 11i and OPA seems to be inevitable

- The only questions are in the time frame which this can occur, and the overall extent of the integration which is possible

- Possibly in the next 5 years, there will be a near complete integration of the current OPA suite with the future Apps 11i architecture, specifically around TrialMinder and SiteMinder with TCA, and possibly HTB with TMS

References

- Gartner Groups Presentation on Fusion:
  - http://www.gartner.com/teleconferences/attributes/attr_125341_115.pdf
- Following are some Oracle media presentations:
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  - http://www.oracle.com/broadband/showondemand.html?4076764
  - Applications Strategy Brief by Charles Phillips, President and John Wookey, Senior Vice President, Applications:
  - http://www.oracle.com/corporate/pressroom/applications_strategy_brief.html
- Press release for Oracle Fusion for SAP
  - http://www.oracle.com/corporate/press/2005_jun/sap.html
- Apps Strategic Overview for the Military
  - http://www.army.mil/aeioo/docs/ERP%20Ins-Day(OrPS-3)10May05.pdf

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- Presentations will be posted on the OCUG Website and on www.clinicalserver.com