




ORACLE®

Oracle E-Business Suite Release 12.1 – Technology Highlights

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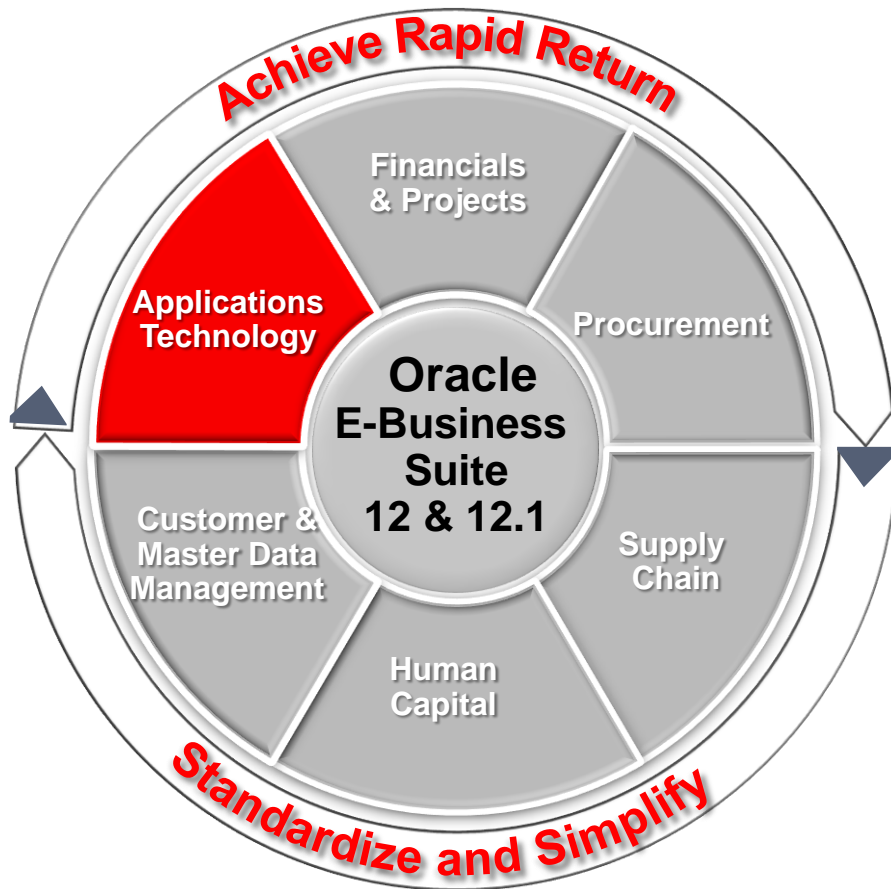
Oracle Applications



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.

Increase Value from Oracle E-Business Suite

What's New in Applications Technology



Results:

- ✓ Drive greater end user productivity
- ✓ Increase agility and lower integration costs
- ✓ Reduce cost of ownership

Increase Value from Oracle E-Business Suite

What's New in Applications Technology



Drive Greater End User Productivity

- New User Experience
- SES Integration
- Embedded and Integrated BI Analytics Applications
- BI Publisher Integration
- User Productivity Kit

- User Productivity Kit
- BI Publisher Integration Applications



Increase Agility and Lower Integration Costs

- Oracle E-Business Suite SOA-Enablement
- Leveraging Modern Oracle FMW
- AIA for Oracle E-Business Suite

- E-Business Suite
- AIA for Oracle Oracle FMW



Reduce Cost of Ownership (TCO)

- End-to-End System Management
 - Enhanced Grid Control EBS Packs
 - Applications Change Management Pack
- Leveraging the Latest Oracle Technology Stack

- Management Pack
- Applications Change EBS Packs

Drive Greater End User Productivity



Drive Greater End User Productivity

- New User Experience
- SES Integration
- Embedded and Integrated BI Analytics Applications
- BI Publisher Integration
- User Productivity Kit

Better User Experience

Richer and Highly Enhanced End User Productivity

The screenshot displays the Oracle Customer Support Agent Dashboard. At the top, it says "ORACLE Customer Support" and "Agent Dashboard > Service Request". The main content area shows a form for updating a service request (ID: 24470) titled "KN Test - Incorrect Manuals shipped". The form includes fields for Request Type (Customer Call), Status (Working), Problem Type, Resolution Type, Category, Item, Item Desc, and Item Instance. A summary section shows the request details and a history of changes. On the right, there are sections for SERVICE INFORMATION, PRIMARY CONTACT (MS. Amy Miller), and SEARCH KNOWLEDGE.

- Reduced pop-ups and duplicate screens
- Re-designed and streamlined entire workflows
- Reduced the number of steps to complete key tasks
- Improved overall look & feel and visual style
- Increased personalization capabilities

Improved Workflow in Targeted Areas

- Campaign Management
- Customer Support
- Collections & Payments
- Loan Management
- Financial Consolidation
- Online Candidate Registration
- Absence Management
- Salary Administration
- Self-Service Purchasing
- Sourcing
- Supplier Collaboration
- Business Intelligence

OA Framework 12.1.2 Rich UI

Configurable Home Page

The screenshot displays the Oracle Applications Home Page interface. The main menu is titled "Main Menu" and includes a "Personalize" button. Below the title, there are links for "Personalize 'Main Menu'" and "Personalize Table Layout: (headerTable)". The menu items are organized into a tree structure, including folders like "Advanced Planning Administrator", "Ak Html Forms", "Alert Manager, Vision Enterprises", "Application Developer", "Profile", "Flexfield", "Concurrent", "Application", "Attachments", "Repositories", "Document Categories", "Attachment Functions", "Document Entities", "Other", "Application Developer Co...", "Application Diagnostics", and "Auditing Manager". A red arrow points to this tree structure with the label "New Navigator Tree".

On the right side, there is a "Favorites" menu with a dropdown arrow. The menu items are "System Profile Options", "Define (Security : User)", and "Oracle Applications Manager (System Admi..)". A red arrow points to this menu with the label "New Favorites Menu".

At the bottom of the page, there is a footer with links for "About this Page" and "Privacy Statement", and a copyright notice: "Copyright (c) 2006, Oracle. All rights reserved."

OA Framework 12.1.2 Rich UI

Embedding Rich Content

The image shows two overlapping browser windows. The top window is titled 'Update Hierarchy - Windows Internet Explorer' and displays the 'ORACLE Site Management' interface. The bottom window is titled 'ORACLE Manager Self-Service' and displays a 'Manager Self-Service' interface. The main content area of the Manager Self-Service window features a radar chart titled 'Account Management' with five axes: 'Work Ethics', 'Communication', 'Customer/Staff Relations', 'Initiative', and 'Account Management'. The chart shows a profile for 'Evans, George' with scores ranging from 1 to 5. To the left of the chart is a navigation tree with categories like 'All Essential And Desired', 'All Essential', and 'All Desirable'. To the right is a 'Criteria' panel with sections for 'Competencies' and 'Initiative', each containing a 'Show in Graph' checkbox and 'Minimum Proficiency' and 'Maximum Proficiency' dropdown menus.

Embedded Rich Content

- New Rich Container to embed third-party rich content
- Seamless and transparent context sharing between embedded content and base page content

Secure Enterprise Search

Embedded Search Example : R12

The screenshot displays the Oracle Customer Support search interface. At the top, the search bar contains 'Service Requests' and 'laptop', with a 'Go' button. A callout box points to this search bar with the text 'Search for all laptop service requests'. Below the search bar, the results are displayed in a tabular format, with a 'Result Style' dropdown set to 'Tabular'. A callout box points to this dropdown with the text 'Search results in tabular format'. The table lists various service requests, including details like 'Number', 'RequestType', 'CustomerName', 'Summary', 'Status', 'Item', 'IndividualOwner', 'DateCreated', 'ProblemCode', and 'Escalated'. A callout box points to the 'Number' column with the text 'Search results links directly navigates to the corresponding page'. The table shows several rows of results, with the first row having a number of 42566. The page number '1' is visible at the bottom left, and a 'Next>>' link is at the bottom right.

Number	RequestType	CustomerName	Summary	Status	Item	IndividualOwner	DateCreated	ProblemCode	Escalated
42566	Break/Fix Repair	Sun Microsystems	Laptop Battery Not Working	Closed	Envoy Ruggedized Laptop		11-Jan-2007		No
31648	Field Service	AT&T Universal Card	Laptop is not working	Closed	Envoy Ruggedized Laptop		29-Nov-2005		No
41388	Field Service	General Technologies	Laptop Not Working	Closed	Envoy Deluxe Laptop		2-Jan-2007		No
4145	Customer Call	World of Business	Laptop does not boot up properly	Closed	Envoy Standard Laptop	Daugherty, Mr. John	10-Oct-2000		No
2444	Customer Call	World of Business	Computer laptop has damaged floppy drive	Closed	Envoy Deluxe Laptop	Daugherty, Mr. John			No
31442	Field Service	AT&T Universal Card	Laptop is not working	Closed	Envoy Ruggedized Laptop				No
11434	Customer Call	World of Business	Laptop does not boot up properly	Closed	Envoy Deluxe Laptop	Daugherty, Mr. John			No
36254	Field Service	AT&T Universal Card	Laptop is not working	Closed	Envoy Ruggedized Laptop		30-Dec-2005		No
39498	Field Service	AT&T Universal Card	Laptop is not working	Closed	Envoy Ruggedized Laptop		19-Dec-2006		No
11645	Customer Call	World of Business	Laptop does not boot up properly	Closed	Envoy Deluxe Laptop	Daugherty, Mr. John	18-Feb-2002		No

Oracle Business Intelligence Enterprise Edition - OBIEE

Enables Flexibility, Extensibility, Standardization







Data Integration 	Ad-hoc Analysis 	Interactive Dashboards 	Essbase Analytics 	Reporting & Publishing 	Proactive Detection and Alerts 	Disconnected & Mobile Analytics 	MS Office & Outlook Integration 
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Common Enterprise Information Model

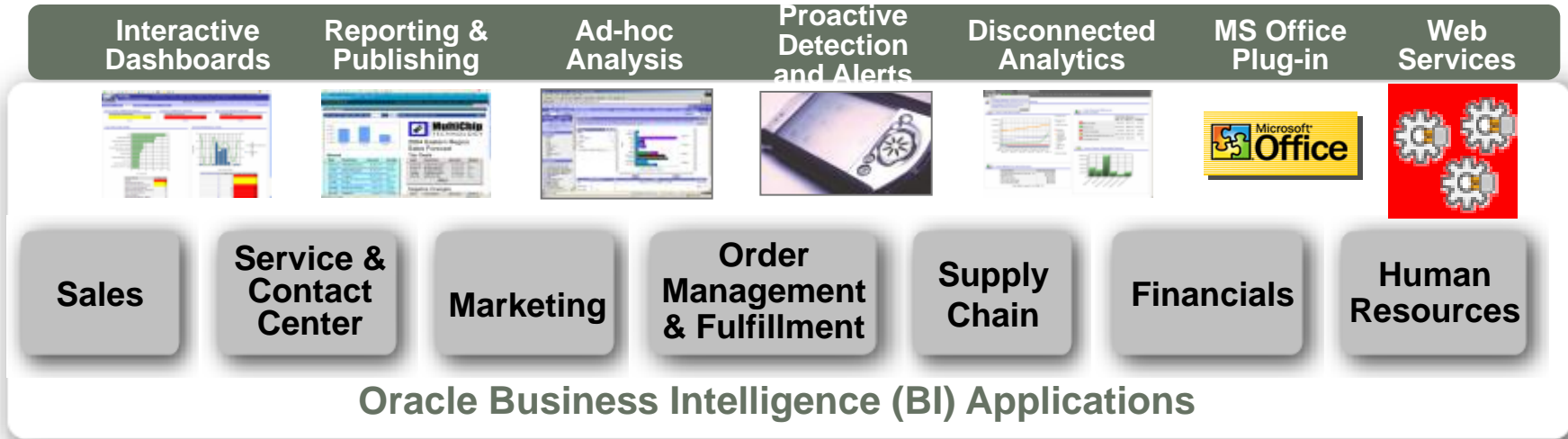
Integrated Security, User Management, Personalization

Multidimensional Calculation and Integration Engine

Intelligent Request Generation and Optimized Data Access Services

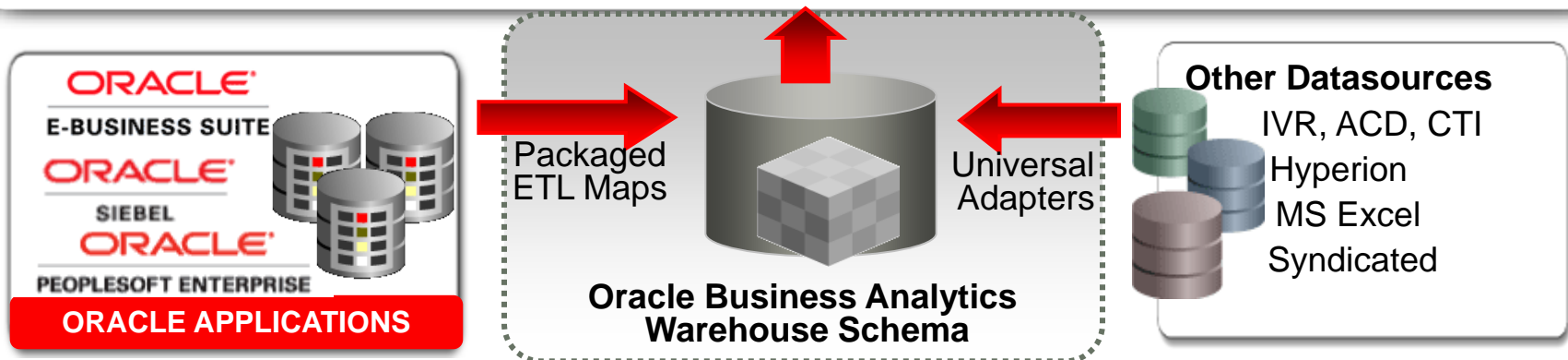
 OLTP & ODS Systems	 Data Warehouse Data Mart	 Essbase	 Oracle, SAP, Siebel PeopleSoft, JD Edwards Custom Apps	 Files Excel XML	 Business Process
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Business Intelligence Applications



Common Enterprise Information Model

Oracle Business Intelligence Server



Business Intelligence Applications - Business Content

Over 8,000 pre-defined assets

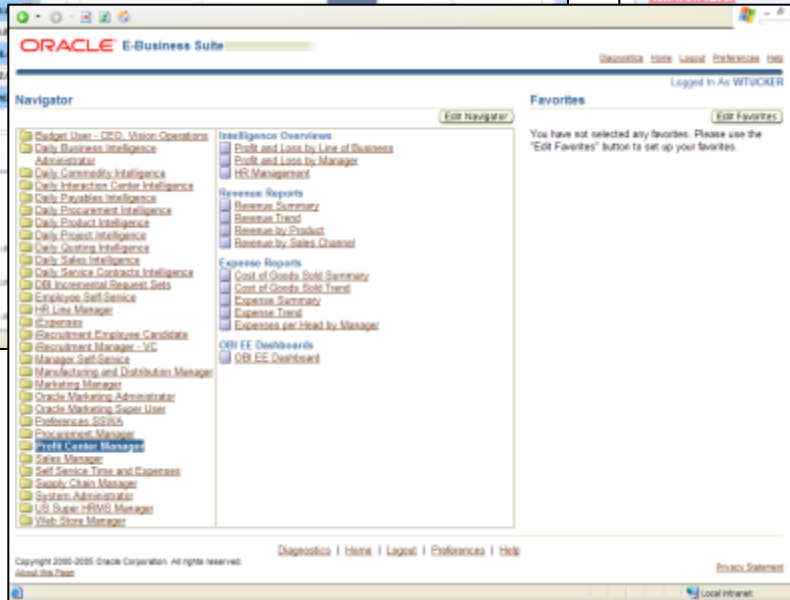
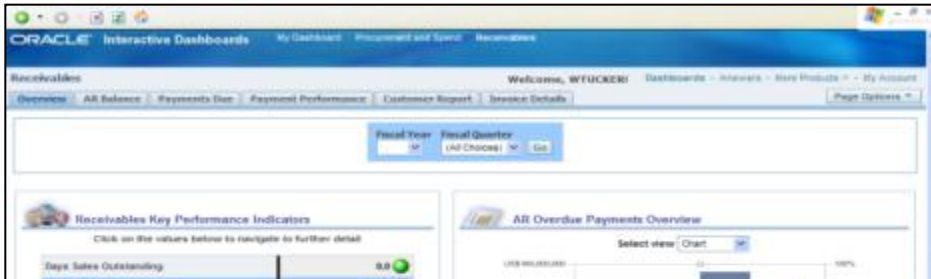
BI Application	Dashboards	Dashboard Pages	Reports	Metrics
Sales	14	33	620	596
Price	5	32	92	453
Marketing	5	27	124	325
Loyalty	4	15	60	194
Service	8	15	102	308
Contact Center	5	17	72	209
Financials	6	36	255	488
HR	9	45	238	335
Supply Chain & Order Mgmt	3	22	176	364
Procurement & Spend	5	25	266	264
Project	3	15	146	323
All Industry Apps	44	147	1,117	1,216
Total	111	429	3,268	5,075

Business Intelligence Applications

Deployment Options

Standalone Interactive Dashboards

BI in a Portal (via JSR-168/WSRP)




Embedded links in EBS

Business Intelligence Applications

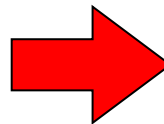
Insight to Action via Action Links

- Seamless navigation from analytical information to transactional detail while maintaining context

 **Top 10 Orders**

Sales Order Number	EBS Action Link	Customer Name	Source Order Status Description	Total Ordered Amount ▼
100173		Computer Service and Rentals	Closed	\$739,418
100174		Business World	Closed	\$738,893
120043		Imaging Innovations, Inc.	Closed	\$74,063
200133		Imaging Innovations, Inc.	Closed	\$59,548
120018		Hilman and Associates	Closed	\$54,149
100037		Imaging Innovations, Inc.	Closed	\$54,100
120040		Imaging Innovations, Inc.	Closed	\$50,578

Action Links



ORACLE

Sales Order 100173

General

Customer Name **Computer Service and Rentals**
 Customer PO
 Order Date **18-Dec-2001 04:25:06**
 Need By Date **18-Jan-2002 04:25:21**
 Booked Date **18-Jan-2002 04:27:35**
 Status **Closed**
 Quality Plan [View Quality Plan](#)
 Invoice Information [View Invoice Information](#)

Shipp

F
 Ship
 Deliv
 Deliver

Lines

Line Num	Item	Item Description	Ordered Quantity	UOM	Fulfilled Quantity	Pr
1.1	182000	Consulting/Training	420	Ea	420	1,

ORACLE

Business Intelligence Applications

Security Integration with Oracle E-Business Suite

User Security



- Single sign-on
- Action links

Object Security



- Responsibility associated to BI Web Catalog Group and Security Group

Data Security



- Data filtered based on Responsibility/ Inventory Org

ORACLE®
E-BUSINESS SUITE

Drive Greater End User Productivity

Better Document Publishing

Oracle Business Intelligence Publisher for Oracle E-Business Suite

FROM:
My Toy Supplier
300 Oracle Parkway
Redwood Shores
CA 94065

TO: KMART STORE # 1234
100 El Camino Real

CARRIER:

PRO NUMBER:

B/L NUMBER:

ORACLE
Vision Operators (USA)

AT&T Universal Card
6545 Main Street
Jacksonville
FL 32209

Dear Sirs/Madam,

According to our records as of 01-JAN-04, a
Your CAD balance is \$31,500.00, made up of

Invoice Number	Invoice Type
502444	Standard
502445	Standard

Invoice Balance

On-Account Credits and Receipts

Total

Your USD balance is \$3,365,647.81; made up

Invoice Number	Invoice Type
502444	Standard
502445	Standard

Oracle Corporation
580 Oracle Parkway
Redwood Shores, CA 94064

Date: 11/22/2004

Pay to the order of Vision Corporation \$ **2,100.00**

Two thousand one hundred and zero cents

Anonymous Bank
Aaa Street
New York, NY 10000

Memo

Lorraine E. Egan M.D.

Oracle Corporation
580 Oracle Parkway
Redwood Shores, CA 94064

Date: 11/22/2004

Pay to the order of Vision Corporation \$ **2,100.00**

Two thousand one hundred and zero cents

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Aaa Street
New York, NY 10000

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Lorraine E. Egan M.D.

Drive Greater End User Productivity

Release 12 BI Publisher Uptake

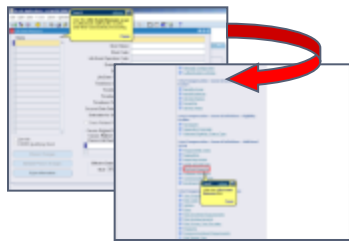
- Used across Oracle E-Business Suite
- Initial R12.0:
 - 852 seeded templates across 55 products
- In 12.1.1:
 - Every Reports-based concurrent program has an associated layout template
 - Over 2600 layout templates registered against more than 2000 data sources across 92 products
 - Many templates translated to 30 languages for customers

Drive Greater End User Productivity

Pre-Built End-User Documentation

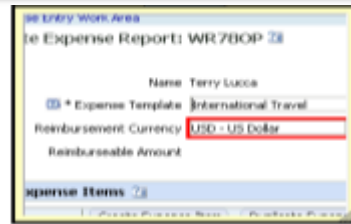
User Modes

SEE IT



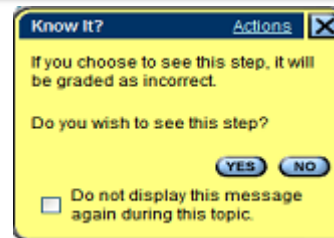
Self-Running Demo

TRY IT



Interactive Simulation

KNOW IT



Testing for Competence

DO IT



Context-Sensitive Help

2,300+ Pre-delivered Topics for Release 12.1

Financials

- Payables
- Receivables
- General Ledger
- Assets
- Internet Expenses
- Advanced Global Intercompany System
- E-Business Tax
- Subledger Accounting
- Bank Account Setup/Maintenance

HRMS

- Human Resources
- Payroll
- Self-Service HR
- Performance Mgmt
- Time and Labor
- iRecruitment
- Learning Mgmt

Applications Technology

- Applications Mgmt
- Forms Personalization

Manufacturing

- Shop Floor Management
- Work In Process
- Discrete MES
- OPM Product Development
- OPM Process Execution
- OPM MES

Distribution

- Inventory
- Order Mgmt
- Shipping Execution

Procurement

- Purchasing
- iSupplier Portal
- iProcurement

Projects

- Project Costing
- Project Mgmt
- Project Resource Mgmt

Increase Agility and Lower Integration Costs with SOA-Enablement



Increase Agility and Lower Integration Costs

- Oracle E-Business Suite SOA-Enablement
- Leveraging Modern Oracle FMW
- AIA for Oracle E-Business Suite

* SOA: Service Oriented Architecture

Service-based Integration – What does it take?

Service Enablement of Participating Applications

- Integration points defined by the application
- Ability to send and receive messages
- Catalog of information about what services are available

Middleware

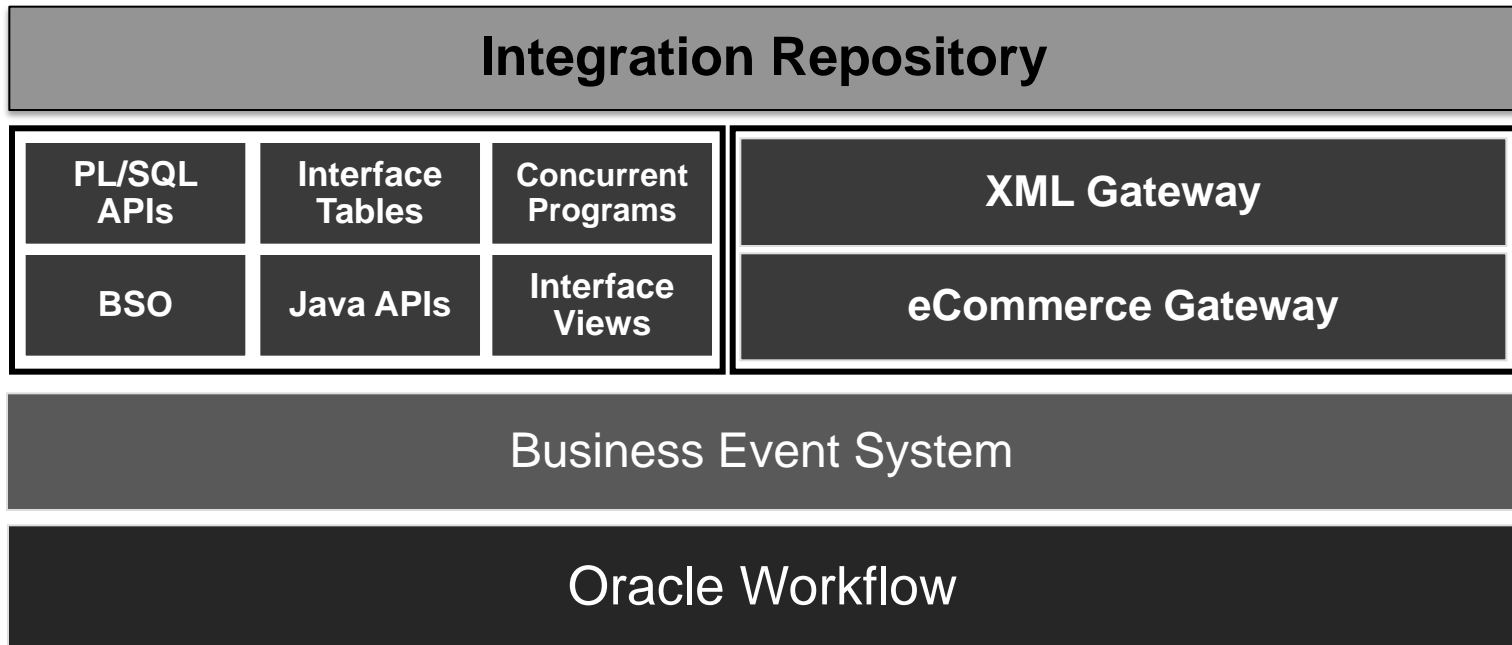
- Message routing
- Business process orchestration
- Business activity monitoring

Business Process Definition and Automation

- Business process flows
- Common object definitions and semantics
- Transformations

Oracle E-Business Suite Integration

Business Integration Technologies



Oracle E-Business Suite SOA Enablement

Integration Repository

A Catalog of All E-Business Suite Integration Points

- Web Services
- Public Java & PL/SQL APIs
- Business Events
- Batch Interfaces

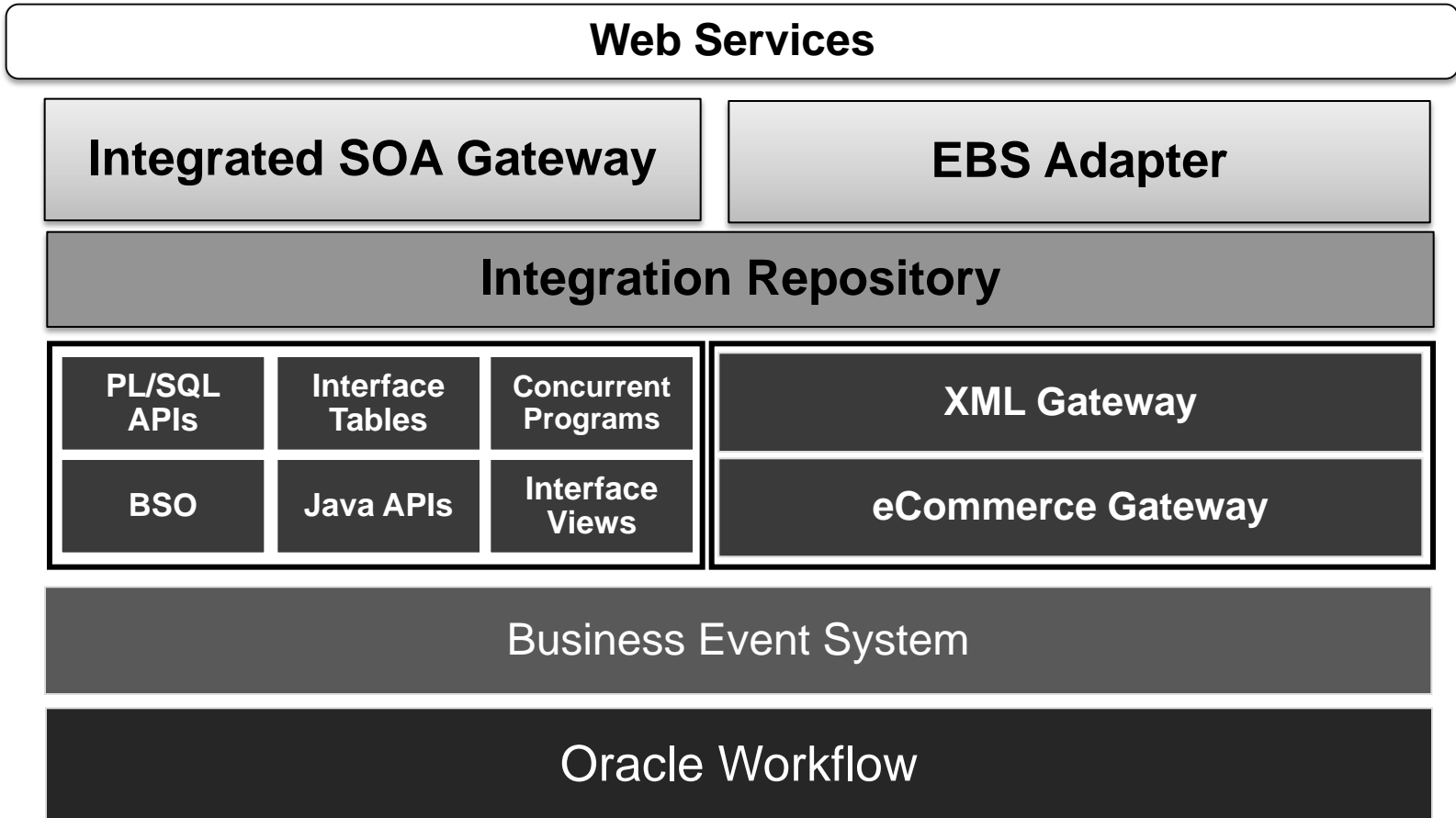
The screenshot shows the Oracle Integration Repository interface. The left sidebar lists various product families, with 'Sales Order' selected. The main area displays a table of integration points for 'Sales Order'.

Name	Internal Name	Product	Type	Status	Description
Oracle Cancel Purchase Order XML Transaction	ONT_CPO	Order Management	XML Gateway Map	Active	This is the message map to support the inbound Cancel PO (Purchase Order Cancellation) XML transaction which, through the population of data in the header and line span interface tables, allows the full cancellation of sales orders in Order Management and also supports the partial and full cancellation of sales order lines.
Oracle Cancel Purchase Order XML Transaction	ONT_CPO	Order Management	Web Service	Active	This is the message map to support the inbound Cancel PO (Purchase Order Cancellation) XML transaction which, through the population of data in the header and line span interface tables, allows the full cancellation of sales orders in Order Management and also supports the partial and full cancellation of sales order lines.
Oracle Inbound Purchase Order Acknowledgment	ECPOAO	Order Management	EDI	Active	This is the source file to support the inbound Purchase Order Acknowledgment EDI transaction which reports order status after the order has been booked.
Oracle Inbound Purchase Order Change Acknowledgment	ECPOCAO	Order Management	EDI	Active	This is the source file to support the inbound Purchase Order Change Acknowledgment EDI transaction which reports order status after post-booking changes to the order have occurred.
Oracle Inbound Purchase Order Acknowledgment Interface	ECPOAO	Order Management	Open Interface	Active	This concurrent program allows users to run the inbound Purchase Order Acknowledgment EDI transaction which reports order status after the order has been booked.
Oracle Inbound Purchase Order Change Acknowledgment Interface	ECPOCAO	Order Management	Open Interface	Active	This concurrent program allows users to run the inbound Purchase Order Change Acknowledgment EDI transaction which reports order status after post-booking changes to the order have occurred.
Oracle Management Profile Query Interface	OM_PROFILE	Order Management	PL/SQL	Active	This API contains utilities used to retrieve Order Management profile options.
Oracle Management Sales Order Query Interface	SCPOCI	Order Management	Open Interface	Active	This concurrent program allows users to run the inbound Change Purchase Order EDI transaction which allows users to update sales orders in the Order Management system and also supports various actions including the input and update of price adjustments, pricing attributes, sales credits, reservations, action requests, as well as customer creation.
Oracle Management Sales Order Query Interface	ECPOCAO	Order Management	Open Interface	Active	This concurrent program allows users to run the inbound Cancel Purchase Order EDI transaction which allows users to create sales orders in the Order Management system and also supports various functions including the input of price adjustments, pricing attributes, sales credits, reservations, action requests, as well as customer creation.
Oracle Order API	OE_ORDER_PUBLIC	Order Management	PL/SQL	Active	This public API allows users to perform various operations on sales orders in the Order Management system.

- Search and view available interfaces by product family, standard, or interface type
- Hosted for 11.5.10: <http://irep.oracle.com>
- Shipped with Release 12 – automatically matches the patch level at your own site
- Supports custom service interfaces

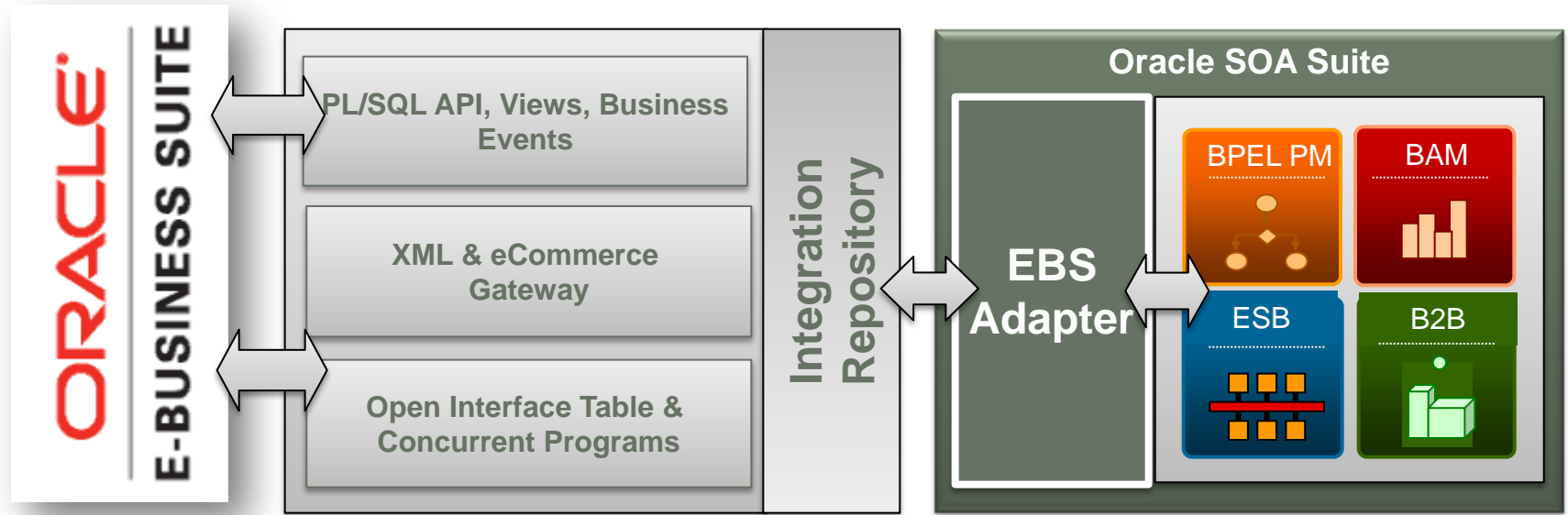
Oracle E-Business Suite Integration

Business Integration Technologies

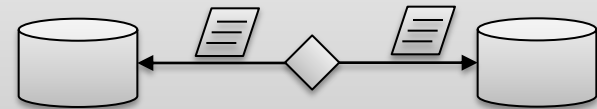


Oracle E-Business Suite Adapter

Integration Solution Overview

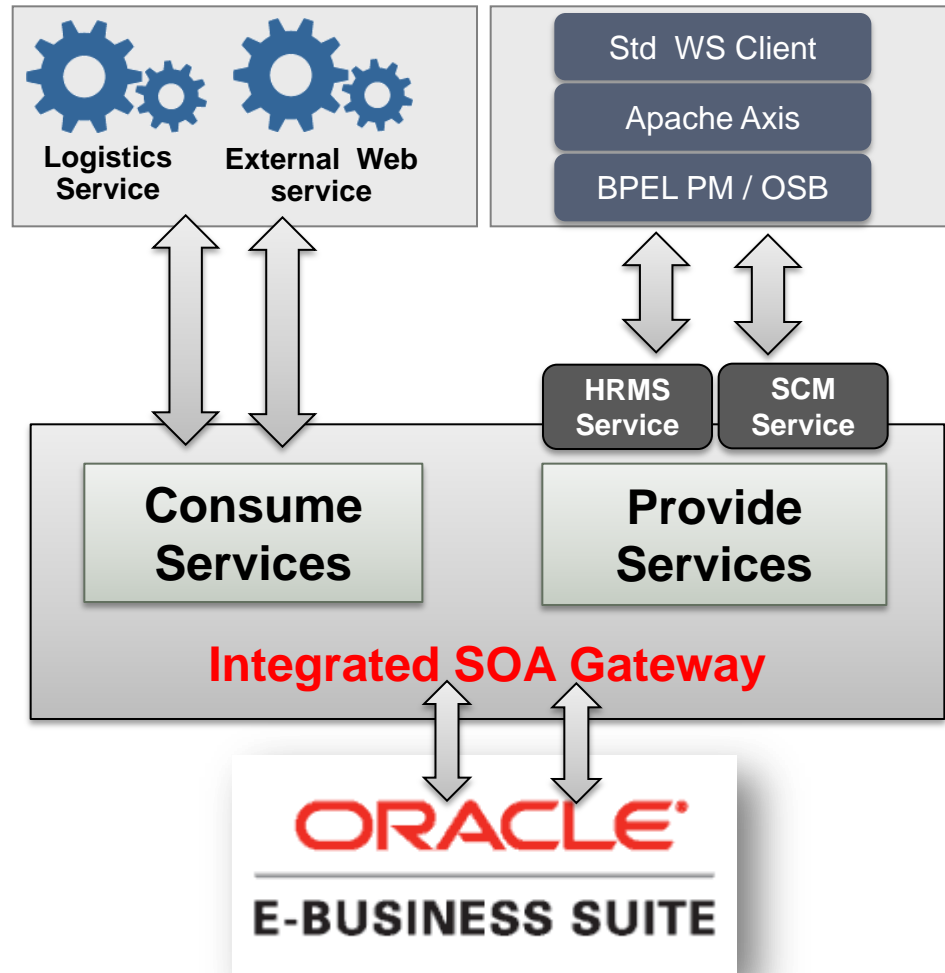


- Leverages Integration Repository
- Secured and Trusted Connection
- Function Security Enabled
- Application Context Ready
- Transaction Support
- Customization Support

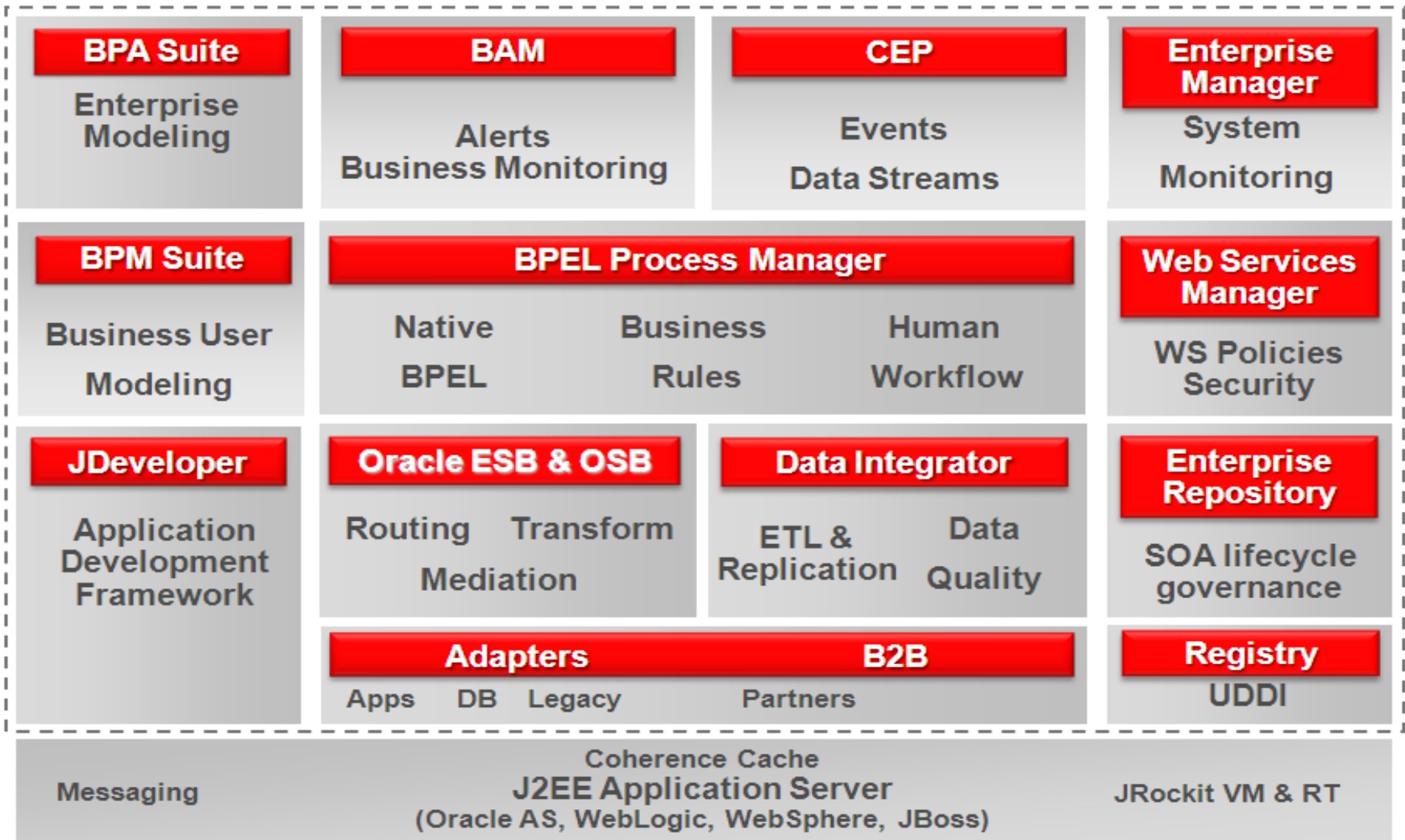


Oracle E-Business Suite SOA Enablement

Oracle E-Business Suite Integrated SOA Gateway



Oracle Fusion Middleware – Oracle SOA Suite



Embrace SOA-Based Integration with Oracle Apps

by Leveraging the Best Practice Centers

- **Oracle E-Business Suite** Best Practice Center

<http://www.oracle.com/technology/tech/fmw4apps/ebs/index.html>

- **PeopleSoft** Best Practice Center

<http://www.oracle.com/technology/tech/fmw4apps/peoplesoft/index.html>

- **Siebel** Best Practice Center

<http://www.oracle.com/technology/tech/fmw4apps/siebel/index.html>

- **JD Edwards** Best Practice Center

<http://www.oracle.com/technology/tech/fmw4apps/jde/index.html>

- **Agile** Best Practice Center

<http://www.oracle.com/technology/tech/fmw4apps/agile/index.html>

Oracle Application Integration Architecture (AIA)

Customer's SOA Roadmap with Oracle – Customer's Options

•Reference Process Models

Optimize business performance leveraging Oracle's extensive experience and best practices

•Foundation Pack

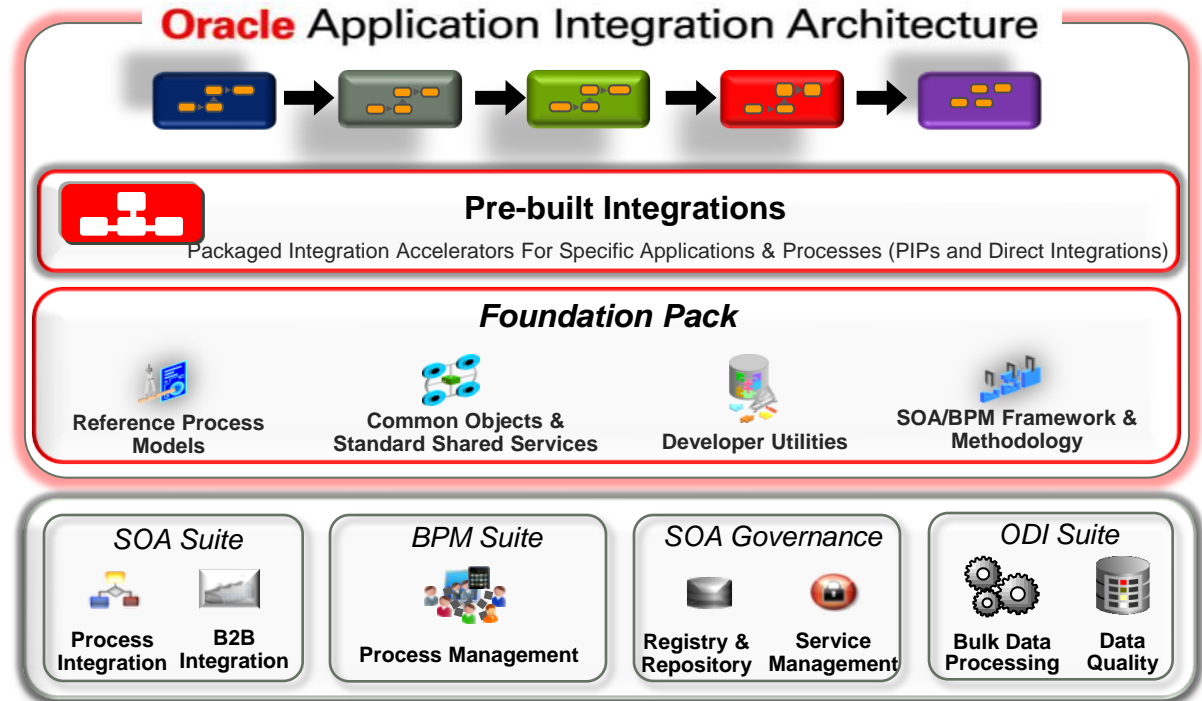
Build cross-functional business processes across any of your applications utilizing a standardized approach and methodology

•Pre-built Integrations

Accelerate implementation of discreet business processes using AIA's pre-built integrations across Oracle Applications

•Powered by Oracle Fusion Middleware

Leverage Oracle's best-in-class, standards-based SOA Middleware platform



Complete. Open. Integrated.

AIA Pre-built Integrations for Oracle E-Business Suite

Sample of Integrations Available TODAY

AIA Packs	Business Process	Applications Involved
Oracle CRM On Demand Integration Pack for Oracle E-Business Suite	<ul style="list-style-type: none"> • Opportunity to Quote 	<ul style="list-style-type: none"> • Oracle CRM On Demand • Oracle E-Business Suite
Siebel CRM Integration Pack for Oracle EBS Order Management	<ul style="list-style-type: none"> • Order to Cash 	<ul style="list-style-type: none"> • Siebel CRM • Oracle E-Business Suite
Siebel CRM Integration Pack for Trade Promotion Management	<ul style="list-style-type: none"> • Trade Promotion 	<ul style="list-style-type: none"> • Siebel CRM • Oracle E-Business Suite
Oracle Transportation Management (G-log) Integration to E-Business Suite	<ul style="list-style-type: none"> • Transportation Management 	<ul style="list-style-type: none"> • Oracle Transportation Management • Oracle E-Business Suite
Oracle Comms Billing and Revenue Management Integration Pack for Oracle E-Business Suite: Revenue Accounting	<ul style="list-style-type: none"> • Communication Revenue Accounting 	<ul style="list-style-type: none"> • Oracle Communications Billing and Revenue Management • Oracle E-Business Suite
Oracle Retail Integration to Oracle E-Business Suite Financials	<ul style="list-style-type: none"> • Financial Controls for Retail 	<ul style="list-style-type: none"> • Oracle Retail • Oracle E-Business Suite
Agile Product Lifecycle Management integration Pack for Oracle E-Business Suite	<ul style="list-style-type: none"> • Design to Release 	<ul style="list-style-type: none"> • Agile PLM • Oracle E-Business Suite
Demantra Demand Management integration with Oracle E-Business Suite	<ul style="list-style-type: none"> • End-to-end Advanced Planning 	<ul style="list-style-type: none"> • Demantra • Oracle E-Business Suite

Reduce Total Cost of Ownership (TCO)

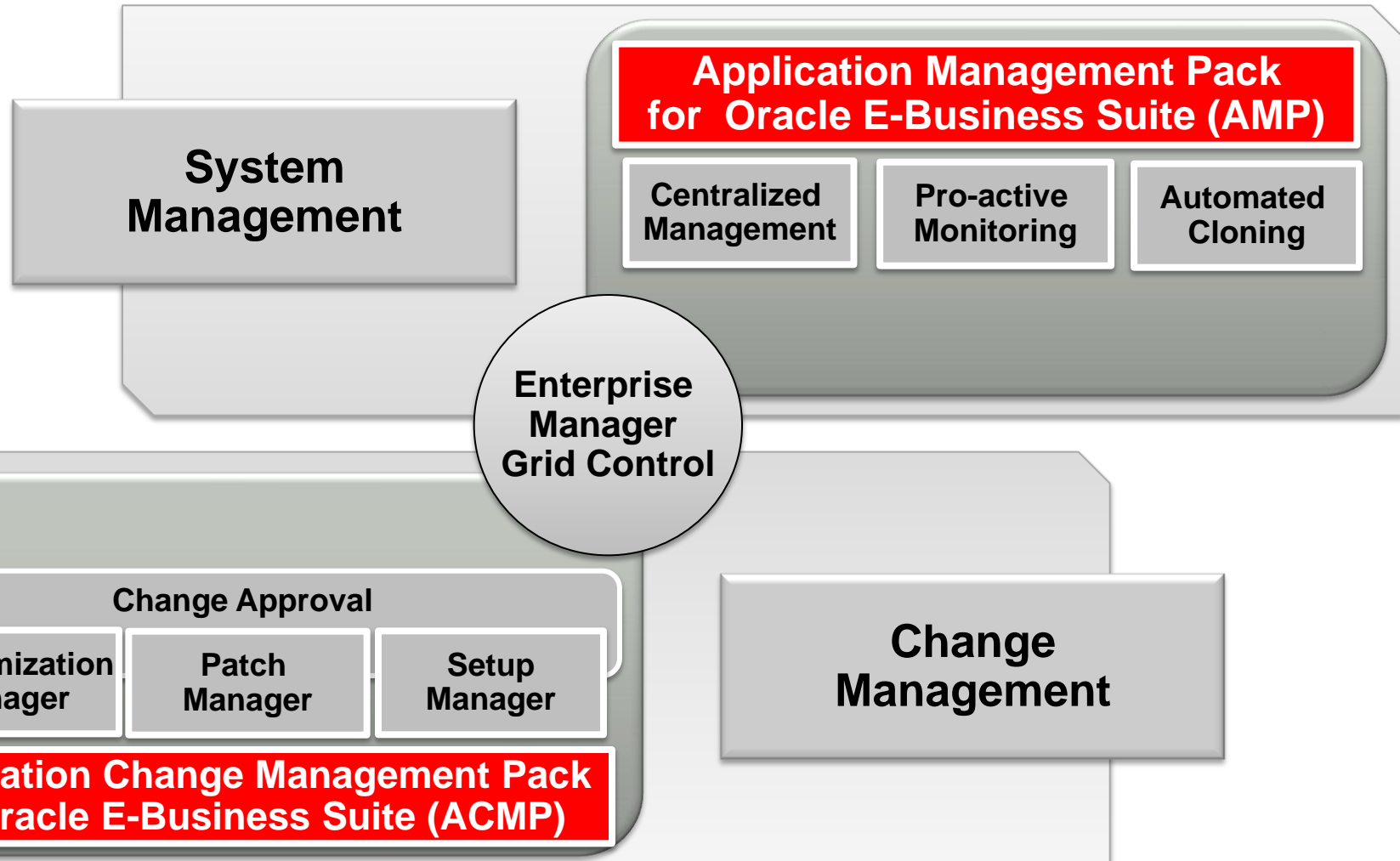


Reduce Cost of Ownership (TCO)

- End-to-End System Management
 1. Enhanced Grid Control EBS Packs
 2. Applications Change Management Pack
- Leveraging the Latest Oracle Technology Stack

Reduce Cost through Better System Management

Application Management Suite for E-Business Suite



Application Management Pack (AMP) for Oracle EBS

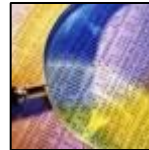
Lower TCO through Central Monitoring and Automation

Application Management Pack for Oracle E-Business Suite



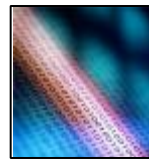
Centralized Management

Manage single / multiple Oracle E-Business Suite systems from a single console



Proactive Monitoring

Proactively monitor Oracle E-Business Suite system for Errored Concurrent Request, or Errored Workflow Item.



Automated Cloning

Automatically Clone Oracle E-Business Suite systems through Clone Dashboard



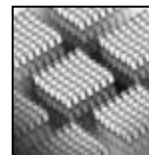
Service Level Management

Analyze and measure End User experience of Business Services utilizing Service Level Management



Configuration Reporting

Search, compare and view change history of Oracle E-Business Suite configuration such as patches, Autoconfig



Data Scrambling

Scramble / Purge sensitive production data while you clone Oracle E-Business Suite system

Application Change Management Pack

Lower TCO Through easier change management

Application
Change
Management
Pack



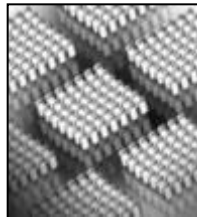
Customization Management

Automate packaging, deployment, migration of customizations across Oracle E-Business Suite instances



Patch Management

UI based impact analysis and deployment of Oracle Patches across EBS instance from a single console



Functional Setup Management

Manage, transport and document changes in functional setups across Oracle E-Business Suite instances

Reduce Cost through Reduced Downtime

Lightweight Multilingual Support -- New in 12.1.3

- Support data entry and reporting in a new language without installing and maintaining the full application translation
- Any E-Business Suite supported language can be enabled
- Fully patched and lightweight languages can coexist
- Reduce overhead associated with patching languages you're only using for data
- Move to full translation at any time

Reduce Cost through Reduced Downtime

Online Patching for E-Business Suite (future)

- Leverages 11gR2 Edition Based Redefinition
 - Multiple application editions are stored in a single database
 - Changes to "Patch Edition" are isolated from Running Edition
- Apply EBS patches while the applications remain online
 - Full functionality, minimal performance impact
 - Downtime is reduced to a short system bounce
- Under analysis for a future E-Business Suite release
 - Supported for all patches and upgrades after the base release

Reduce Cost through Virtualization



- Oracle VM is certified with EBS 11i, 12.0, and 12.1
- Achieve better, more flexible hardware utilization
- No license cost

- Oracle VM features include:
 - Dynamic resource management
 - Insight into performance and utilization at every level
 - High availability with automatic restart
 - Support for VM templates



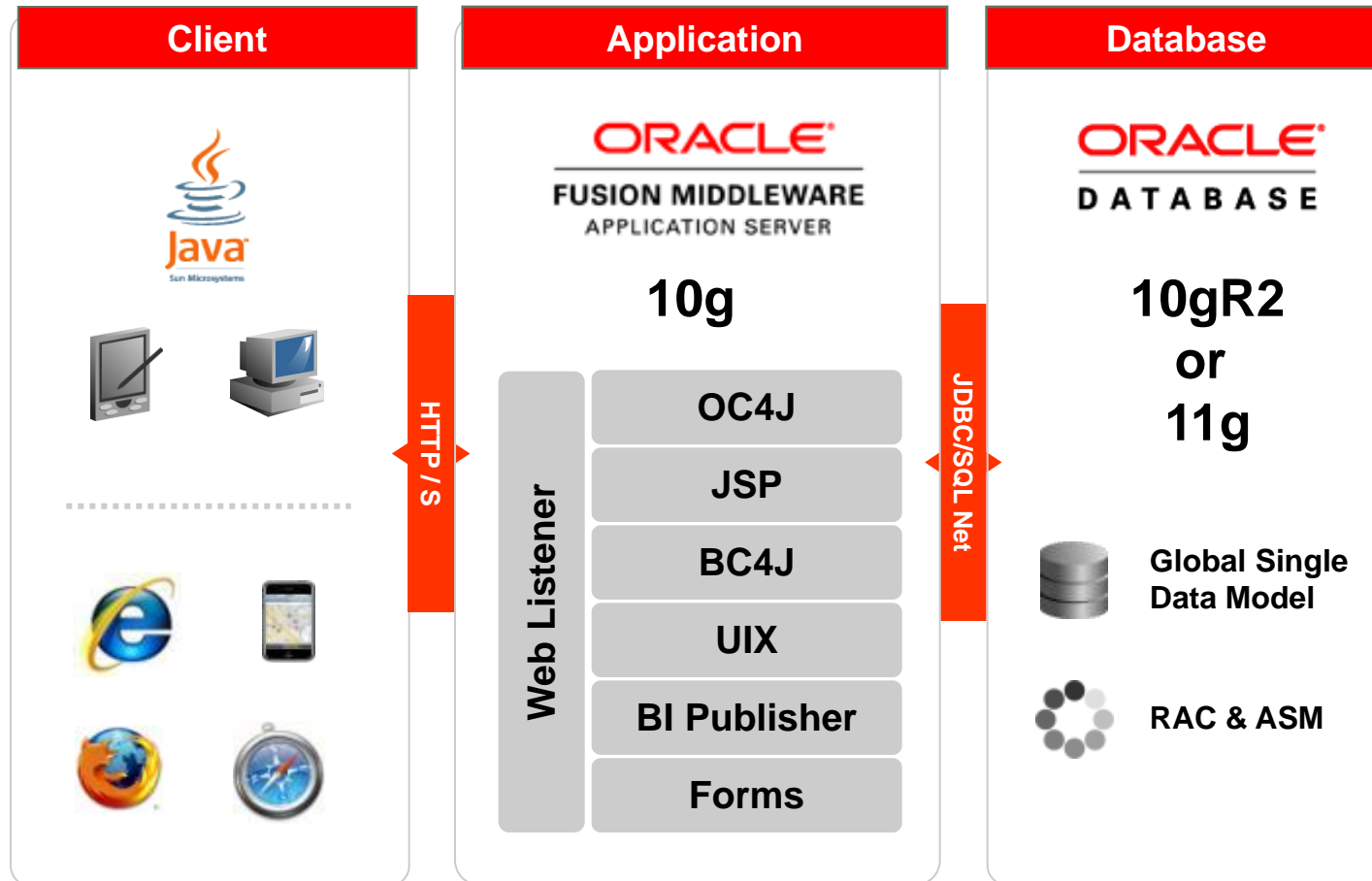
Technology Uptake Guidance

**SOFTWARE.
HARDWARE.
COMPLETE.**

ORACLE

Release 12 Technology Stack

3-Tier Logical Architecture



Desktop Client Tier



Windows 7

Windows Vista

Windows XP



Internet Explorer 6, 7, 8



Firefox 3.x



Sun JRE 1.6.0_03+



Mac OS X 10.4

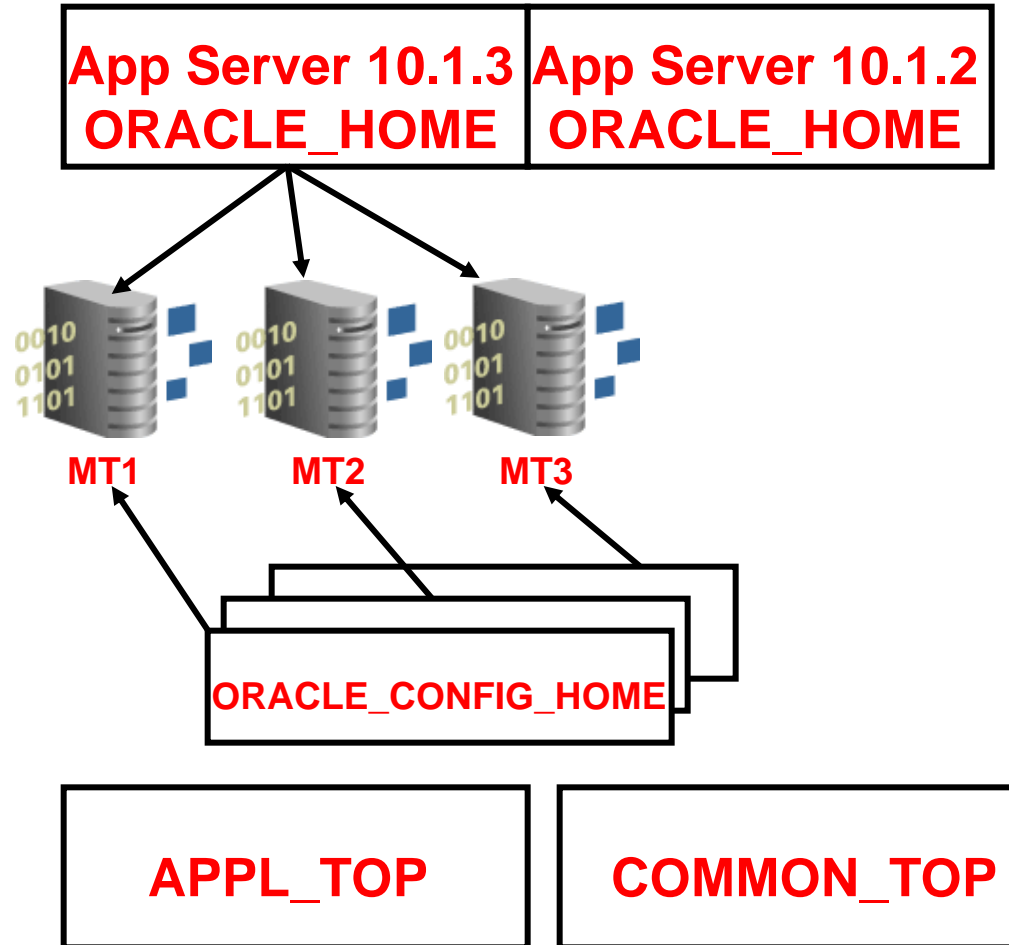
Mac OS X 10.5

Mac OS X 10.6



Safari 2, 3, 5

Release 12 E-Business Suite Application Server Tier



Release 12 E-Business Suite Application Server Tier

ATG Release 12.1 Version

JDeveloper 10g Patch

12.1 (Controlled Release - only included for completeness)

Patch 7315332 10G Jdev with OA Extension ARU for R12.1 (Controlled Release)

12.1.1 (rapidInstall or patch 7303030)

Patch 8431482 10G Jdeveloper with OA Extension ARU for R12.1.1

12.1.2 (patch 7303033 or patch 7651091)

Patch 9172975 10G JDEVELOPER WITH OA EXTENSION ARU FOR R12.1.2

12.1.3 (patch 9239090 or patch 8919491)

Patch 9879989 10G JDEVELOPER WITH OA EXTENSION ARU FOR R12.1.3

Release 12.1

From <https://support.us.oracle.com/oip/faces/secure/km/DocumentDisplay.jspx?id=416708.1>

Release 12 E-Business Suite Application Server Tier

JDeveloper 10g Patch Release with OAF

ATG Release 12.1 Version	JDeveloper 10g Patch
<i>12.1 (Controlled Release - only included for completeness)</i>	<i><u>Patch 7315332</u> 10G Jdev with OA Extension ARU for R12.1 (Controlled Release)</i>
12.1.1 (rapidInstall or patch 7303030)	<u>Patch 8431482</u> 10G Jdeveloper with OA Extension ARU for R12.1.1
12.1.2 (patch 7303033 or patch 7651091)	<u>Patch 9172975</u> 10G JDEVELOPER WITH OA EXTENSION ARU FOR R12.1.2
12.1.3 (patch 9239090 or patch 8919491)	<u>Patch 9879989</u> 10G JDEVELOPER WITH OA EXTENSION ARU FOR R12.1.3

Release 12.1

From <https://support.us.oracle.com/oip/faces/secure/km/DocumentDisplay.jspx?id=416708.1>

Applications Landscape

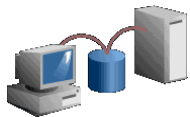
Leveraging Fusion Middleware



Business Intelligence



Identity Management



WebCache



Collaboration



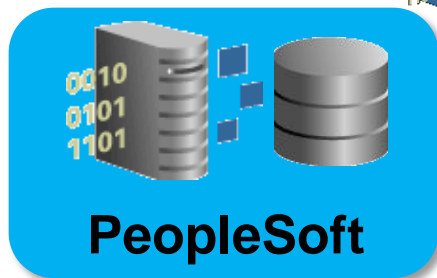
E-Business Suite



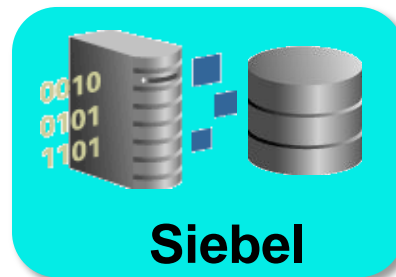
Enterprise Portal



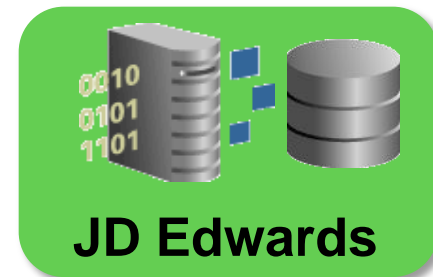
SOA Suite + AIA



PeopleSoft



Siebel



JD Edwards

External Technology Certifications

Technology	Release 11i	Release 12
Oracle Access Manager	10.1.4.3	10.1.4.3
Oracle Single Sign-On	10.1.4.3	10.1.4.3
Oracle Enterprise Single Sign-On (via Oracle Access Manager)	11.1.1.3	11.1.1.3
Oracle Internet Directory	11.1.1.3	11.1.1.3
Web Center		11.1.1.3
Portal	11.1.1.3	11.1.1.3
Discoverer	11.1.1.3	11.1.1.3
Business Intelligence (EE+)	11.1.1.3	11.1.1.3
Business Intelligence Applications	7.9.6	7.9.6
Web Cache	10.1.2.3	10.1.2.3
Oracle SOA Suite	11.1.1.3	11.1.1.3
Secure Enterprise Search	10.1.8.4	10.1.8.4
Enterprise Manager	10gR5	10gR5

Oracle E-Business Suite Database Versions

- 10gR2 (10.2.0.5) certified for 11i, 12.0, 12.1.
- 10gR2 transitioned from Premier Support to Extended Support in July 2010.
- 11gR1 (11.1.0.7) certified for 11i, 12.0, 12.1.
- 11gR2 (11.2.0.1) certified for 11i, 12.0, 12.1 on most platforms.
- 11gR2 (11.2.0.2) certified for 11i, 12.0, 12.1 on most platforms.

ORACLE®
DATABASE 10^g

ORACLE®
DATABASE 11^g

Database options supported with E-Business Suite include:

- Advanced Compression
- Data Guard
- Advanced Security
- Database Partitioning
- Database Vault
- Real Application Clusters (RAC)
- Real Application Testing

Database Server 11g

Upgrade to 11g to take advantage of:

- ASM Fast Disk Resync, Preferred Mirror Read, Fast VLDB Start, Rolling Migration
- Transparent Data Encryption Improvements
- More Partitioning options
- Partition Advisor
- Database Replay
- SQL Performance Analyzer
- New compiler optimized for PL/SQL native compilation
- Transportable Databases
- Advanced Compression

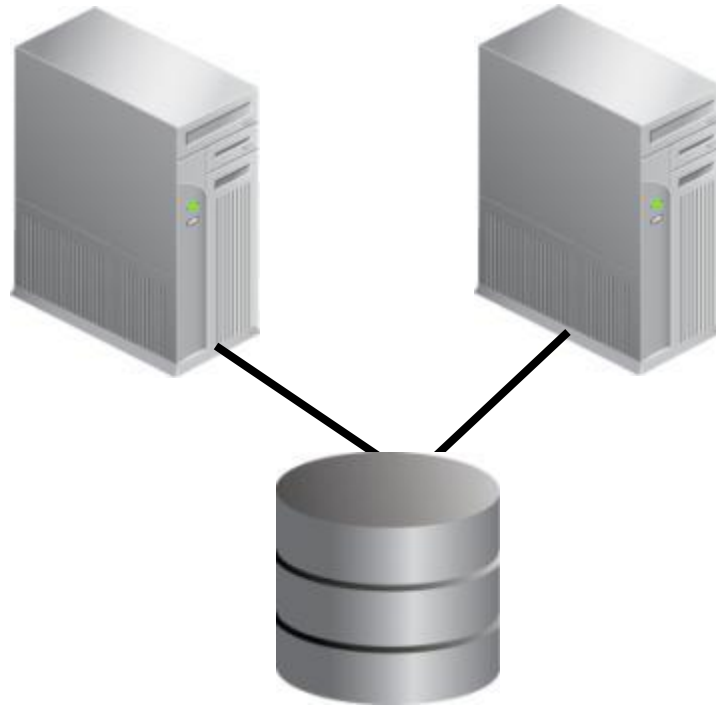
11gR2 adds:

- Simplified RAC configuration
- Faster query performance
- Hybrid columnar compression with Exadata

ORACLE[®] 11g
DATABASE



Real Application Clusters - 11gR2 Database



- **Use RAC to spread load across multiple servers**
- **Improve performance and availability**
- **Simplified configuration with 11gR2 database**

Improve Storage and Performance - 11gR2 Database

Advanced OLTP Compression



- Compress large application tables
 - Transaction processing, data warehousing
- Compress all data types
 - Structured and unstructured data types
- Improve query performance
 - Cascade storage savings throughout data center



Up To
4X
Compression

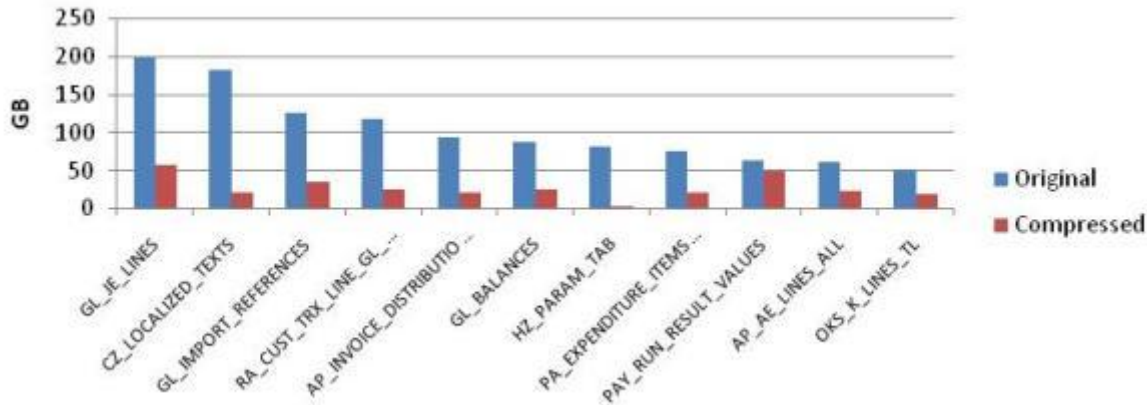
Advanced Compression in Oracle's Internal EBS

Implemented compression with Oracle's Internal E-Business Suite

- 4-node Sun E25K RAC; Compressed 100 largest tables and associated objects with 11g

Results

- Average database storage savings 3x
- Table compression 4x
- Index compression 2x
- LOB compression 1.8x



- **Saved 7.6 TB for the single database instance.**
- **This works out to 95 TB of total storage savings across primary, standby, test, dev and backup instances**

Improve Storage and Performance

Exadata Storage Server – Hybrid Columnar Compression

- Data stored by column and then compressed
- Useful for data that is bulk loaded or moved
- **Query mode** for data warehousing
 - Typical 10X compression ratios
 - Scans improve accordingly
- **Archival mode** for old data
 - Typical 15- 50X compression ratios



Up To
50X

Future Certifications



Desktop client

- IE 9
- Firefox 4

Application server



- Java (JDK) 7
- *Web Logic Server 11g*
 - *under consideration for a future release*

External technologies

- Oracle Access Manager 11gR1
- Web Cache 11.1.1.2
- Enterprise Manager 11g

Technology Uptake Guidance

**SOFTWARE.
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Minimum Extended Support Baseline for EBS 11i

Note 883202.1

1

- EBS 11.5.10 with Consolidated Update 2
- ATG Rollup Patchset 6 (Patch 5903765)
- Database 10.2.0.4 or 11.1.0.7
- Forms6i Patchset 19 (Version 6.0.8.28, Patch 6194129)
- Oracle HTTP Server MLR Patchset 4393827
- Sun Java Runtime Engine (JRE) 1.6.0_03 or higher

AND

2

- EBS patches listed for all licensed products

What 11i Baseline Patches Do You Need?

Use EBS Patch Wizard to generate a report (Patch **9803629**)

Licensed Product Families

Product Family	Recommended Patches	New Code Level	Minimum Baseline Support
Applications Technology	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Applications Updates	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
E-Business Intelligence	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Interaction Center	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Communications	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Discrete Manufacturing	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
E-Business Suite	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Financials	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Financial Payables Suite	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Financial Receivables Suite	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Use Current Technologies

- Update your environment to use latest certified versions, and benefit from:
 - Enhancements
 - Performance improvements
 - Fastest access to new patches
- Watch for new certifications

Consider New Technology Uptake

AIA Web Services



Business Intelligence Apps



Identity Management



WebCenter



BI Publisher



Enterprise Manager

Service	Status	Performance	Usage	Components	Start/Stop	Last Error	Last Start
Oracle Enterprise Manager	Running	100%	100%	1	100%	100%	100%
Oracle Enterprise Manager	Running	100%	100%	1	100%	100%	100%
Oracle Enterprise Manager	Running	100%	100%	1	100%	100%	100%
Oracle Enterprise Manager	Running	100%	100%	1	100%	100%	100%
Oracle Enterprise Manager	Running	100%	100%	1	100%	100%	100%
Oracle Enterprise Manager	Running	100%	100%	1	100%	100%	100%
Oracle Enterprise Manager	Running	100%	100%	1	100%	100%	100%
Oracle Enterprise Manager	Running	100%	100%	1	100%	100%	100%
Oracle Enterprise Manager	Running	100%	100%	1	100%	100%	100%
Oracle Enterprise Manager	Running	100%	100%	1	100%	100%	100%

Benefit by Upgrading to Release 12.1

- Later Technology
 - Database 10gR2 baseline enables multi-org access control and faster performance in Release 12
 - Use OC4J for load balancing
 - Use Jdeveloper 10.1.3 for extensions
 - Move to new hardware platforms easily
- End User Productivity
 - Improved user interface in Release 12 with more in 12.1
 - Secure Enterprise Search embedded in EBS user interface
 - Enhancements to Personalization Framework
 - Use EBS content in Web Center and 3rd party portals

Benefit by Upgrading to Release 12.1

- Integration
 - Integration Repository shipped with the Applications
 - Integrated SOA Gateway for out-of-the-box web services
- Business Intelligence
 - Broad BI Publisher uptake
 - Embed analytics content in Framework pages

Benefit by Upgrading to Release 12.1

- Reduced Cost of Ownership
 - Oracle E-Business Suite Management Pack
 - Oracle E-Business Suite Change Management Pack
 - Lightweight MLS
 - Oracle E-Business Suite VM templates

Oracle E-Business Suite Technology Stack Blog

blogs.oracle.com/StevenChan



- Direct from EBS Development
- Latest EBS techstack news
- Certification announcements
- Primers, FAQs, tips
- Desupport reminders
- Advanced architectures
- Statements of Direction
- Early Adopter Programs
- Subscribe via **email** & **RSS**

Questions and Answers



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