E-Business Suite - Leveraging Oracle Identity Management for Provisioning and Single Sign-On

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Oracle Excellence Award Winner 2013, 2011, 2009

2011 Inc. Top Small Company Workplaces

2012-2013 Inc. 5000 Fastest Growing Companies

2012 Best & Brightest Companies to Work For
Agenda

- Enterprise Security Background
- Oracle Identity & Access Management Suite
- E-Business IDM Integration Patterns
- E-Business IDM Integration Implementation Approach
- Q & A
What’s the state of your Organization’s Enterprise Security?
Q: What’s posted on this monitor?

a – to-do’s
b – phone messages
c – password to financial application
Q: How secure is your identity data?

a – It is in 18 different secured stores
b – We protect the admin passwords
c – Privacy? We don’t hold credit card numbers
Q: What determines your employee’s access?

a – give Scott whatever Laura has
b – roles, attributes, and requests
c – whatever her manager says
Q: Who is the most privileged user in your enterprise?

a – security administrator
b – CFO
c – the summer intern who is now working for your competitor
Q: How much are manual compliance controls costing you?

a – nothing, no new headcount
b – don’t ask
c – don’t know
State Of Security In Enterprise

- Incomplete
  - Multiple vertical solutions from many vendors
  - Disparate technologies that don’t work together

- Complex
  - Web, Mobile, Cloud, Device independent
  - Offshore and Offsite environments

- Non-compliant
  - Difficult to enforce consistent set of policies
  - Difficult to measure compliance with those policies
Identity & Access Management Values

- Trusted & reliable
- Enterprise Security platform
- Efficient regulatory compliance
- Better end-user experience
- Lower administrative and development costs
# Identity & Access Management

## Directory Services
- Storage
- Virtualization
- Synchronization

## Identity Governance
- Identity Lifecycle Administration
- Role & Membership Administration
- Provisioning & Reconciliation
- Compliance Automation

## Access Management
- Authentication & Authorization
- Single Sign-On
- Federation
- Web Services Security

## Audit & Compliance
- Audit Data
- Attestation
- Segregation of Duties
- Controls

## Management
- Service Levels
- Configuration
- Performance
- Automation
Oracle Identity & Access Management

**Directory Services**
- Oracle Unified Directory
- Oracle Internet Directory
- Oracle Virtual Directory
- Oracle Directory Server Enterprise Edition
- Oracle Authentication Services for Operating Systems

**Identity Governance**
- Oracle Identity Manager
  - Oracle Identity Analytics
  - Oracle Privileged Account Manager

**Access Management**
- Oracle Access Manager
  - Oracle Mobile and Social Access Service
  - Oracle Identity Federation
  - Oracle Adaptive Access Manager
  - Oracle Entitlements Server
  - Oracle Web Services Manager
  - Oracle Security Token Service
  - Oracle Enterprise Gateway
  - Oracle Enterprise Single Sign-On Suite Plus

**Audit & Compliance**
- Oracle Identity Manager, Oracle Identity Analytics, Oracle Privileged Account Manager

**Management**
- Oracle Management Pack for Identity Management
1. Oracle EBS-HRMS as the Authoritative (trusted) source for Identity

2. Automated User (Identity, Roles and Responsibilities) provision to EBS-FND table

3. Implement Single Sign-on with EBS core modules and/or iModule with other enterprise applications
Pattern – 1 Oracle HRMS as the Authoritative (trusted) source for Identity

- The connector is configured to perform identity (trusted source) reconciliation with the target system. In this form of reconciliation, identity data is fetched to Oracle Identity Manager and this data is used to create or update OIM Users.
Pattern – 2 Automated User Provisioning to Oracle EBS FND_USER

- **User Management** – create E-Business Suite accounts (FND_USER records) for OIM Users and to grant roles and responsibilities to these accounts.
- **User Management with HR Foundation** - create a basic HRMS person record for the user in Oracle E-Business HRMS and link that record with the FND User
- **User Management with TCA Foundation** – create TCA person-type party record for the user in Oracle E-Business TCA and link that record with the FND User
Pattern – 3 Single Sign-On for EBS Core modules and/or iModule

Key components involved in the Oracle EBS and OAM integration are:
- EBS Profile Options
- OHS - Oracle HTTP Server
- WebGate
- AccessGate
- OID - Oracle Internet Directory
- Oracle WebLogic Server
E-Business IDM Integration - Software Required

- Governance - Provisioning
  1. Oracle Identity Manager
  2. Oracle Identity Analytics (Optional)
  3. Oracle Internet Directory

- Access Management - Single Sign-On
  1. Oracle Access Manager
  2. Oracle Internet Directory
  3. OHS - Oracle HTTP Server & WebGate
  4. AccessGate
Benefits of E-Business IDM Integration

1. Create Enterprise IDM environment and centralized repository
2. Help automate user provisioning/de-provisioning, self-service
3. Single credentials to all enterprise systems
4. Single Sign-On for enterprise systems
5. Automated Audit, Compliance and reports
E-Business IDM Integration Implementation Approach

- IDM as an strategic initiative
- Develop overall business requirements and a starting point – directory, access management or provisioning
- Create software-compatibility matrix
- Follow a phased approach for integration of applications and different types of users
- Get IDM developers on-board early on for integration with consolidated authentication, authorization and identity services
- Don’t ignore data migration, change management
Metalink (Oracle Support) Notes

1. Integrating Oracle E-Business Suite Release 12 with Oracle Access Manager 11gR1 (11.1.1.5) using Oracle E-Business Suite AccessGate [ID 1309013.1]

2. Master Note for OIM Oracle E-Business Employee Reconciliation Connector[Article ID 1291219.1]

3. Master Note for OIM Oracle E-Business User Management Connector[Article ID 1291131.1]

IDM Product Details

THANK YOU

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