Oracle Identity Management: Securing the Extended Enterprise

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Agenda

Enabling Change in IT Organizations

Oracle Identity Management Approach

Product Overview

Areas of Investment
Agenda

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Areas of Investment
Accelerated Pace of Change
Rapidly Evolving Opportunities in Business and Society

80% of user access will be mobile by 2020

44% of organizations plan to social enable applications

Cloud computing will become the bulk of new IT spend by 2016

There will be 26 billion connected devices by 2020
Changing Economic Landscape
Access by anyone from anywhere on any device

Digital Devices
To Smart Devices

Enterprise Resources
To Cloud & Mobile Resources

Channel Market
to Social Market

IDENTITY is the enabling FOUNDATION
Identity Management Challenges
Today’s Extended Enterprise with Cloud and Mobile

• **Controls**
  – Inconsistent security policies, compliance and certification

• **Complexity**
  – Disparate Identity Solutions and Identity Silos across Enterprise, Cloud and Mobile

• **Cost**
  – Deployment, Manageability and User Experience
Identity Fragmentation
Disconnected Identity Solutions Create Risks and Costs

- BREACH OF CUSTOMER DATA
- INCONSISTENT ACCESS POLICIES
- COSTLY COMPLIANCE ENFORCEMENT
Identity Management Needs

• Provide comprehensive end to end security by extending enterprise controls to mobile and cloud applications

• Deliver transparent and seamless flow of identity between on-premise, mobile & cloud applications

• Enable interoperability across heterogeneous cloud services with modern security standards & protocols

• Reduce risk of security breaches by managing privileged access and eliminating excessive access rights
Unified Identity Management
Reduce Risks, Reduce Costs and Increase Agility

- 48% COST SAVINGS
- 46% MORE RESPONSIVE
- 35% FEWER AUDIT DEFICIENCIES

Source: Aberdeen “Analyzing Point Solutions vs. Platform” 2011
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Areas of Investment
Oracle Identity Management Philosophy

Unifying Enterprise Identity Management

• Best of Breed
• Modular and Unified
• Internet Scale
• Open Standards
• Context Aware Risk Management

Complete. Open. Integrated.
The New Identity Paradigm

Comprehensive End to End Security

Identity Governance
Access Management
Directory Services

Deployment
Managed Cloud
On-Premise
Cloud
Paths to Unifying Enterprise Identity Management

Multiple Cloud, Mobile and Enterprise Apps

Basic IdM

Provisioning

Single Sign-On

Directory

Advanced IdM

TAKING A UNIFIED APPROACH
• REDUCES COST
• INCREASES PRODUCTIVITY
• IMPROVES COMPLIANCE
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Areas of Investment
Oracle Identity Management

Mobile Security
- Mobile Application Management
- Mobile Device Management
- Mobile Access Management
- API Security

Access Management
- Authentication
- Authorization
- Audit
- Federation
- Mobile Authenticator

Identity Governance
- Access Request
- Access Governance
- Automated Provisioning
- Privileged Account Management

Directory Services
- Enterprise Directory
- Cloud/Mobile App Directory
- Virtual Directory
# Oracle Identity Governance

## Unified Approach to Complete Identity Governance

<table>
<thead>
<tr>
<th>Self Service Access Request, Password Management</th>
<th>Compliance Access Certification, SOD, Continuous Compliance</th>
<th>Identity Intelligence Operational Reporting, Access Dashboards</th>
<th>Privileged Access Privileged Access, Privileged Audit, Session Recording</th>
</tr>
</thead>
</table>

**Platform & Integration Layer**

- Common Data Model
- Role & Policy Library
- Workflows and Service Desk Integration
- Access Catalog

**Identity Connector Framework**

- On-Premise
- Managed Cloud
- Cloud

- Access Request (OOTB)
- Access Certification
- Automated Provisioning
- Approval Workflows
- Connector Framework
- Privileged Account Management
Oracle Identity Governance

Oracle Differentiators

- Business-Friendly Request Catalog
- Streamlined Business Process for Approvals
- Scalable and Rapid Fulfillment
- Intellige..
Oracle Access Management

Unified Approach to Complete Authentication, Authorization and Audit

- Web Access Management
- Federated & Social SSO
- Mobile Access Management
- Cloud Access Management
- Authorization Management
- Fraud Prevention
- Strong Authentication
Unified Access Management

Key Solution Requirements

- Seamless Multi-Channel Access
- Integrated Risk, Fraud & Strong Authentication
- Access Any Application, From Any Device, Any Where
- Standards Based Modular Architecture
- Scalable for today’s Internet Needs
- Increase Agility with External Security Policies
Oracle Mobile Security

Mobile App Management
Security for native apps
Integrated authentication and access
BYOD with corporate policies
Unified Mobile Security

Oracle Differentiators

- Manage corporate data, not devices
- MDM is not a pre-requisite for BYOD
- Secure Communication Channel obviates VPN
- Higher security, no cached credentials
- Re-use & extend corporate Identity, user, roles, policies
- ISV friendly, no recoding and redeployment of apps
Oracle Directory Services
Scalable, Secure and Performant

- Identity Repository
- Naming Services
- Host Access Control
- Virtual Directory
Unified Directory Services
Oracle Differentiators

- Published performance benchmarks
- Optimized for Cloud and Mobile
- Integrated virtualization
- Identity Isolation from transactional data
- Support for antiquated Identity stores
- Internet Scale for billion Identities
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Areas of Investment
KEY FOCUS AREAS FOR PS2

Cloud Access Portal

• Deliver User Single Sign-on To Cloud Apps From Launchpad Portal
• Provide Seamless Access From Smart Phone, Tablet And PC
• Support For Federated And Unfederated Apps
• Swiftly Remove Unauthorized Access
KEY FOCUS AREAS FOR PS2

Integrated Support for OAuth

• Enable User To Authorize 3rd Party Apps to Access and Leverage User Data
• Avoid storing identity data in unnecessary locations
• Provide Support for both server and client, 2 and 3 legged, profile services
• Connect support with enterprise identity management systems
KEY FOCUS AREAS FOR PS2

Privileged Account Management – Session Monitoring

• Establish Secure Policies And Processes Around Privileged Account Access
• Transparently Authenticate Authorized Users To Privileged Systems
• Strengthen Compliance With Session Recording/Playback And Audit
• Enable Enterprise Integration With Extensibility And Customization Via Plug-in Framework
KEY FOCUS AREAS FOR PS2
Secure Corporate Apps and Data on BYOD

• Separate and manage corporate apps & data on mobile devices
• Easily secure 3rd party mobile applications without requiring source code
• Extend enterprise identities to mobile applications for SSO and network access
• Mobile policy control: data loss prevention and remote wipe
KEY FOCUS AREAS FOR PS2
Oracle Mobile Authenticator

• Affordable, Multi-Factor Authentication via Soft Token
• Avoid management costs and user disdain for hardware tokens
• Client app downloaded from corporate app store
• Time-based PIN updates
• Integrated into Access Management
KEY FOCUS AREAS FOR PS2
Automated Suite Installation

<table>
<thead>
<tr>
<th>IDM Topology</th>
<th>1 Node Dev</th>
<th>8 Node w/ HA</th>
</tr>
</thead>
<tbody>
<tr>
<td>Manual</td>
<td>1 day</td>
<td>18-30 days</td>
</tr>
<tr>
<td>Automated</td>
<td>2 hours</td>
<td>5 hours</td>
</tr>
<tr>
<td>Improvement</td>
<td>4x</td>
<td>29x – 48x</td>
</tr>
</tbody>
</table>

- Installation Wizard to install IDM servers and underlying infrastructure
- Support for multiple topologies
- Quickly clone existing environments
- Automates patching
- Reduces manual configuration errors
- Standardizes builds
KEY FOCUS AREAS FOR PS2

Simplified Identity Governance

- Dynamic organizational membership
- Search or browse catalog
- Personalized home page with custom skins
- Collaborative certification process
- Hierarchical entitlements
-Disconnected application framework
Questions
Hardware and Software
Engineered to Work Together