



ORACLE®

Oracle Identity Management

Hormazd Romer
Group Marketing Manager

Today's Business Challenges



**Sustainable and efficient
compliance**



Fool-proof security

ORACLE

IDENTITY MANAGEMENT



**Operational
efficiencies**

Challenge: Improving Compliance



- Sarbanes-Oxley, HIPAA, Gramm-Leach-Bliley and more require
 - Secure access to information
 - Established procedures for compliance
 - Attestation
 - Proof of compliance
- Non-compliance is not an option
... yet cost of compliance is high!

High Cost of Compliance



\$ \$15.5 billion - Amount organizations will spend on compliance related activities in 2005

Source: AMR Research, 2005

\$ 70,000 - Additional man-hours spent by large firms on SOX compliance

Source: Deloitte

\$ 2/3 - Portion of compliance budgets spent on internal staff and external consultants

Source: AMR Research (April 2005)

\$ \$2.4 million - Average amount paid by companies for audits, in excess of what they had anticipated

Source: FEI

Common Control Deficiencies

1. Delays in terminating access
2. Built up privileges over time
3. Combination of user access to transactions in conflict (AP and Purchasing access)
4. Managing access authorization is oftentimes manual (paper based or email)
5. Password policies not enforced across all systems

IdM Addresses Compliance Deficiencies



- ✓ Enforces segregation of duties
- ✓ Restricts access
- ✓ Automates access management
- ✓ Automates attestation and audit reporting
- ✓ Demonstrates controls are in place and working

Challenge: Managing Security Risks



- Majority of security breaches from within organization
- Fragmented security policies
 - Orphaned accounts
 - Expired access rights
 - Lack of aggregated audit and accountability
- Leaked passwords, social engineering
- Manual provisioning requests prone to errors
- Network administrators unaware of organizational and role changes

IdM Strengthens Security



- ✓ Centralized security and policy management
 - Consistent policies enforced across enterprise
 - Enterprise wide visibility of users, access rights, audit data
- ✓ Automated provisioning / de-provisioning
 - Role based user provisioning and de-provisioning
 - Automated updates triggered by user status change
- ✓ Single Sign-On, Delegated Administration
 - Reduce password compromises
 - Delegate policy administration to business owners

Challenge: Operational Efficiencies



- Administrative costs
 - Administering access for tens of thousands of users
 - Overwhelming volume of help desk calls
 - Manual provisioning of accounts for new hires
 - Manual aggregation and cross checking of audit data
- User Productivity
 - Long wait times acquiring access to requested systems
 - Forgotten passwords
- IT Productivity
 - Developers reinventing security for each app they build

IdM Streamlines Operations



- ✓ Lower Administrative costs
 - Single Sign-On, Self-service password resets
 - \$420/year per user cost savings via reduced help desk calls
 - Automated and aggregated audit reporting
- ✓ Enhanced User Productivity
 - Reduce time to access systems from days to minutes
 - Automated provisioning - \$1250 per year per employee ROI¹
- ✓ Enhanced IT Productivity
 - Developers re-use centralized security functions
 - Accelerated application deployments

Identity & Access Management

Access Control

Authentication & Authorization

Single Sign-On

Federation

Web Services Security

Identity Administration

Identity Lifecycle Administration

Role & Membership Administration

Provisioning & Reconciliation

Compliance Automation

Directory Services

Virtualization

Synchronization

Storage

Audit & Compliance

Audit Data

Attestation

Segregation of Duties

Controls

Management

Service Levels

Configuration

Performance

Automation

Oracle IAM Products

Access Control

Oracle Access Manager

Oracle Enterprise
Single Sign-On

Oracle Identity Federation

Oracle Web Services
Manager

Identity Administration

Oracle Identity Manager

Directory Services

Oracle Virtual Directory

Oracle Internet Directory
(with Directory Integration
Platform)

Audit & Compliance

Oracle Identity & Access Management Suite

Management

Oracle Management Pack for Identity Management

Partners: ISV Ecosystem

Strong Authentication



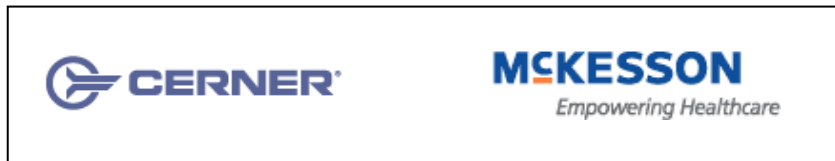
Physical Access



Network Access



Healthcare



Role Management



Oracle Differentiators

- ✓ Most Comprehensive, Best-In-Class Suite
- ✓ Hot-pluggable and Open
- ✓ Application Centric Identity Management

Most Comprehensive, Best-In-Class Suite

Area	Oracle Offering
Web Access	Oracle Access Manager
Provisioning	Oracle Identity Manager
Federation	Oracle Identity Federation
Delegated Administration	Oracle Access Manager
Password Synchronization	Oracle Identity Manager
Virtual Directory	Oracle Virtual Directory
Meta-Directory	Directory Integration Platform
Directory	Oracle Internet Directory
Authentication/PKI	Oracle Certificate Authority
Web Services	Oracle Web Services Manager
Enterprise SSO	Oracle Enterprise SSO Suite
Management & Monitoring	Oracle Management Pack for Identity Management

Hot-pluggable, Heterogeneous Support

Portals



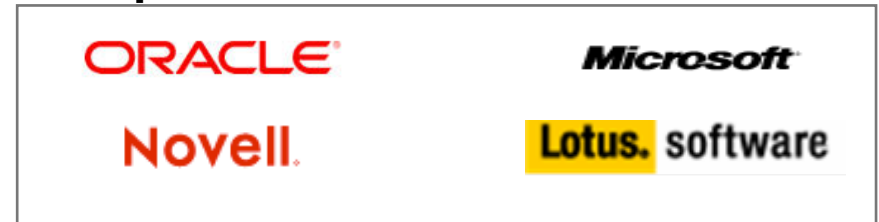
Application/Web Servers



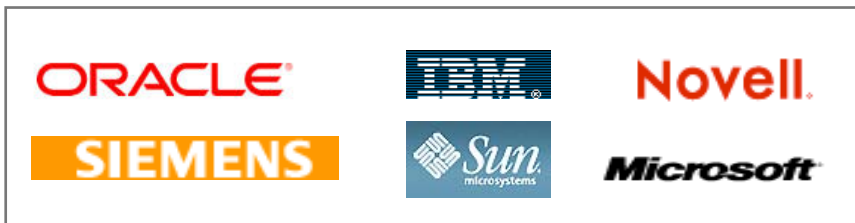
Applications



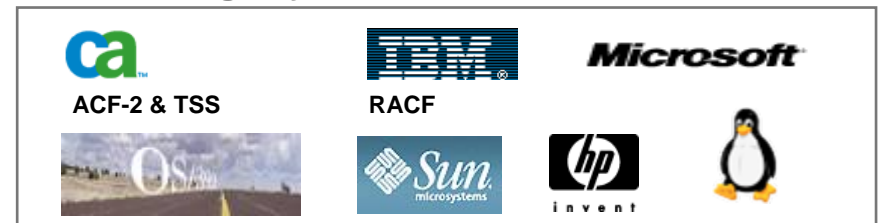
Groupware



Directories



Operating Systems



Standards Support



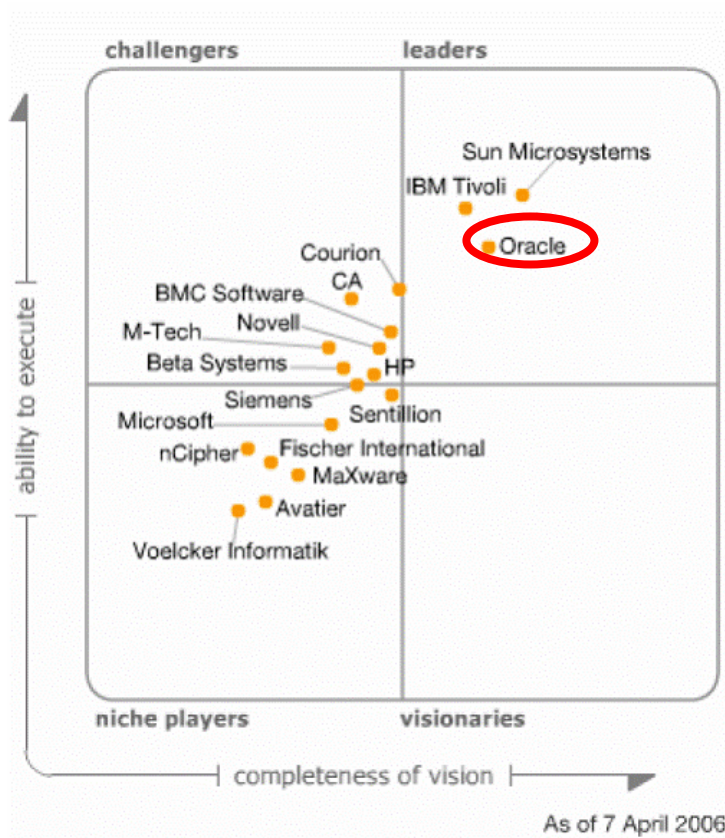
- **Contribute and lead**
 - SSTC (SAML Working Group) - Co-Chair
 - Liberty Alliance - President, Board Member
 - WSS, WS-SX (Web Services Security) - Author
 - SPML - Author
 - XACML – Voting member
- **Implement**
 - Accelerate product development
 - Simplify product integration & minimize TCO
- **Innovate**
 - Enable Identity Services Framework: CARML, AAPML
 - Standards for end-to-end security

Application Centric Security

- Comprehensive security for applications
 - Single sign-on and federated access
 - Fine grain authorization
 - Roles and entitlements management
 - HR and identity management process integration
- Identity Services Framework
 - Identity services as infrastructure
 - Rapid-integration enabled security platform
 - Abstracted identity storage
 - Centralized policy enforcement and compliance monitoring

Leader in Gartner Magic Quadrants

User Provisioning, 1H 2006



Web Access Management, 2H 2006

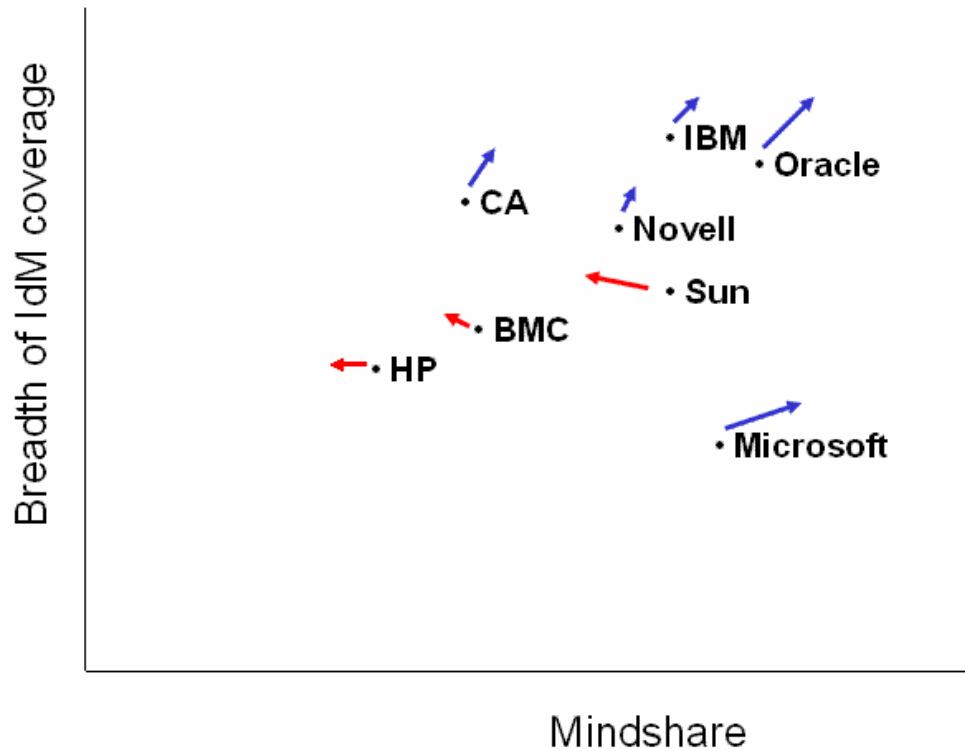


Burton Group - Vendor Momentum

VantagePoint 2007



Vendor update



Best of Breed Proof Points

Independent Product Evaluations

“..jumps to the forefront of ID-management market”

“..strong platform for defining and enforcing policies in” WSJ

“[OWSM] Simple to the core... easy to use”

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Security

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NetworkWorld.com > Security >

Oracle jumps to the forefront of ID-management market

New version of Oracle product upgrades deployment, workflow and diagnostic wares

Clear Choice Tests By Mandy Andress, Network World Lab
Alliance, Network World, 01/22/07

CLEAR CHOICE TEST The latest edition of Oracle's Identity Manager builds on the core provisioning functionality the company acquired with its 2005 purchase of Thet Technologies with



Oracle Web Services

A platform to manage, secure, and enforce policies on Web Services

By: Brian Barbash
May. 26, 2005 11:00 AM



Oracle CoreSV 4.0
Oracle, oracle.com

Very Good 8.2

criteria	score	weight
Availability	8	20%
Manageability	8	20%
Scalability	8	20%
Security	9	20%
Setup	9	10%
Value	7	10%

“Quickly, easily, securely ..connect via Single sign-on”

“Brings Management Simplicity to Web Services” eWeek



Very Good 8.0

criteria	score	weight
Management	8	30%
Integration	9	25%
Configuration	7	20%
Cohesion	8	15%
Value	7	10%

Exclusive: CoreSV brings management simplicity to Web services

Version 4.0 dramatically simplifies policy creation and application

By Philip J. Hootby
April 18, 2005

It starts simply enough. First someone builds a SOAP interface for an internal system, then the next upgrade to your financial package sports a Web services API. At some point you wake up and realize that all those services need to be managed.

Free IT resource: **Utility Multitenant Processes** Mike Pagan
Sponsored by Sun Microsystems

Free IT resource: **Get a FREE IDC report: Overview of Oracle** Click here
Sponsored by Oracle

Web services management includes not just creating but also critical activities such as controlling access, logging transactions, and performing version control. CoreSV 4.0 from Oracle (Policy, Products, Advice) is a Web services management platform that provides all these capabilities in an easy-to-install and unlicensed package.

As do most enterprise products, CoreSV has a complicated pricing structure.

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Technology & Communications



Government & Public Sector



Healthcare



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Case Study – General Motors

Lower Operational Costs



BUSINESS CHALLENGE

- Provide secure access to its supplier network— 53,000 external suppliers and 17,000 employees to access inventory and production schedules while reducing administrative burden. Solution must integrate with the existing access control system (Tivoli).



ORACLE SOLUTION

- GM deployed Oracle COREid Access and Identity using delegated administration and group management features, delegating the administration of users to individuals suppliers.



RESULTS

- Accelerated production schedules
- Secure supplier network
- Cost reduction through delegated administration
- Selected as the identity management standard at GM

Case Study – Accenture

SAP Management & Token Life Cycle Management



BUSINESS CHALLENGE

- Reduce costs & increase controls related to password resets
- Centralize security administration processes
- Centralize security management of access control
- Enable compliance with Sarbanes-Oxley and other regulatory requirements



ORACLE SOLUTION

- Selected **Oracle Identity Manager** over Sun & M-Tech
- Maturity of provisioning solution
- Strength of workflow engine
- Customizable user interfaces
- Showcase for Accenture's Market Identity & Access Management offering



RESULTS

- Password management savings of \$63K per month (\$750k per year)
- OIM replaced a required upgrade in RSA token registration process, saving \$110k
- Automated provisioning of users to fine-grained attributes within SAP will enforce Sarbanes-Oxley compliance requirements & eliminate 10 security administrators (\$500k per year saving)

Case Study – State of Minnesota HIPAA Compliance



BUSINESS CHALLENGE

- Minnesota's Department of Human Services (DHS) 30,000 medical providers and 80,000 users submit electronic claims. These must be secured to comply with federal HIPAA regulations. Management overhead of all users is tremendous as providers and users change regularly

ORACLE SOLUTION

- State of Minnesota selected Oracle COREid Access and Identity to secure access claims submission portal, using audit and log capabilities.

RESULTS

- Medical claims are secure and processed more quickly
- State of Minnesota is HIPAA compliant

Case Study – Toyota Financial Services

Operational Risk & Efficiency



BUSINESS CHALLENGE

- Prior provisioning solution implementation failed - not fit for purpose
- Authorization workflow not linked to reporting structure
- Eliminate increasing operational risk from lack of control & auditing of user access privileges
- Manage increase in helpdesk call volume, which decreases productivity and increases labor costs



ORACLE SOLUTION

- TFS selected Xellerate Identity Provisioning over Netegrity, IBM, HP & Sun
- Integration with PeopleSoft, Siebel, RACF, AD
- Adapter Factory enabled 2-3 day build cycle for integration with Siebel 7.7
- Reduced implementation and maintenance complexity



RESULTS

- Automated provisioning process execution in response to business events, via integration with PeopleSoft HR
- Documented evidence of compliance of “who has what” reporting across business-critical applications
- Helpdesk cost savings arising from measurable reductions in call volume due to self-service password reset
- Within 2 weeks of rollout, eliminated 90% of rogue accounts and privileges across managed systems

Case Study – Lehman Brothers GLB & SOX Compliance

LEHMAN BROTHERS
Where vision gets built.™

BUSINESS CHALLENGE

- Critical systems vulnerable to unmanaged & orphaned system accounts
- No detailed audit trails of each user's access rights – current and historical
- Reduce the cost of user administration from \$30.00 per access modification
- Comply with external regulations – Sarbanes Oxley & Gramm-Leach-Bliley Acts

ORACLE SOLUTION

- Lehman selected Xellerate Identity Provisioning over A360, Waveset & Business Layers
- Very flexible (adaptable), open architecture simplified integration
- Integrated with 650+ business applications
- GUI-based business rule development

RESULTS

- 'Day one' access lead time reduced to < 5 mins
- Knowing Who Has Access to What = Priceless
- Eliminated ghost accounts via reconciliation of local administrative changes across 650 managed systems
- Reduced compliance effort across 50 SOX-critical applications by 12 man weeks

Solution and Delivery

- **Pre-tested and pre-certified across complete stack of products**
 - Oracle and partner software
- **Pre-trained and pre-certified delivery specialists**
 - Oracle and partner
- **Successful deployments at key customers**
 - Case-studies and success criteria established



Looking Ahead

- Oracle will broaden security product portfolio
 - Strategic priority for Oracle development
 - Strong authentication, role management, compliance ...
- From security silos to built-in security
 - Built into databases, middleware, enterprise applications
 - Identity Services Framework
- Project Fusion
 - Single security model across Enterprise Applications Suite
 - Enforced uniformly at all parts of technology infrastructure
 - Across entire life-cycle from development to maintenance

Oracle Fusion Middleware



Development Tools
SOA Tools & Framework



User Interaction
Portals, Content, Search,
Desktop, Mobile, VoIP



Business Intelligence
ETL, Q&A, OLAP, Reports,
Alerts, Real Time



Integration & Process Management
Messaging, ESB, BPM, B2B, BAM, MDM



Application Server
J2EE, WS-*, Events, Rules



Grid Infrastructure
Clusters, Metadata, Registry, Security



Systems Management
System Application
Services



Identity Management
SSO, Access Control,
Id Admin, Provisioning,
Directory Services

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Ask Our Experts



- Call: 1-800-633-0919

The image features the Oracle logo, which consists of the letters 'O', 'R', and 'A' in a grey, serif font. A red ampersand (&) is superimposed over the 'R' and 'A' characters. The ampersand is a thick, stylized red font that overlaps the grey letters. In the top-left corner of the slide, there is a solid red square.



ORACLE IS THE INFORMATION COMPANY