



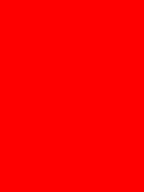
SOFTWARE. HARDWARE. COMPLETE.



ORACLE®

**Sun and Oracle:
Joining Forces in Identity Management**

Georg Völl, Principal Sales Consultant
Oracle Deutschland



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.

In addition, the following is intended to provide information for Oracle and Sun as we continue to combine the operations worldwide. Each country will complete its integration in accordance with local laws and requirements. In the EU and other non-EU countries with similar requirements, the combinations of local Oracle and Sun entities as well as other relevant changes during the transition phase will be conducted in accordance with and subject to the information and consultation requirements of applicable local laws, EU Directives and their implementation in the individual members states. Sun customers and partners should continue to engage with their Sun contacts for assistance for Sun products and their Oracle contacts for Oracle products.

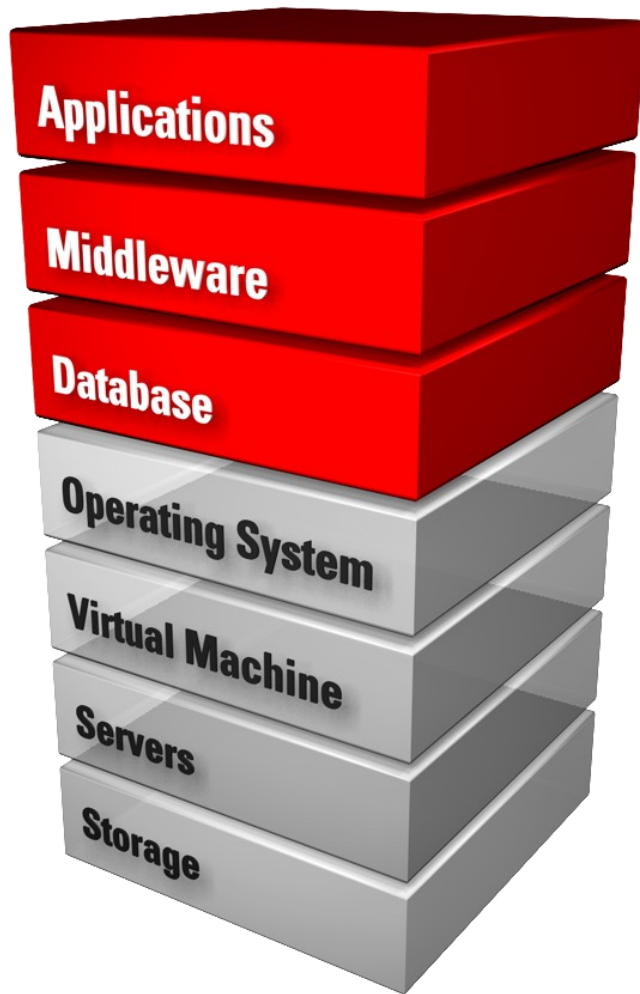
Agenda

- Product Strategy
- Post SUN Acquisition Product Strategy
- Summary
- Q&A



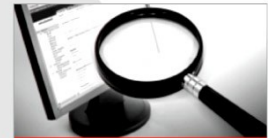
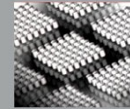
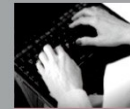
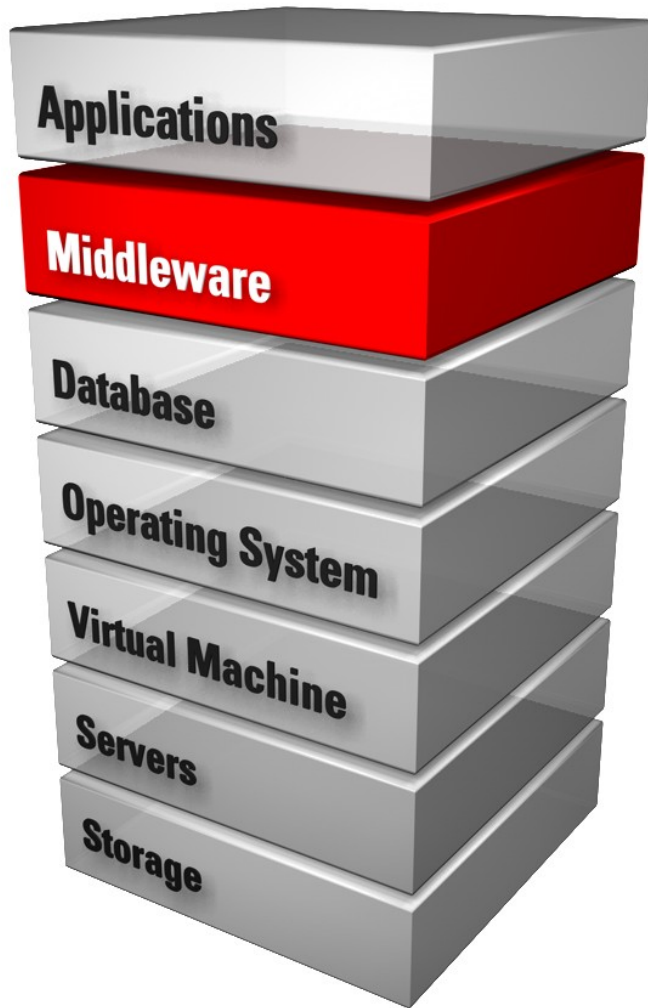
Oracle Identity Management Strategy Overview

Oracle's Strategy

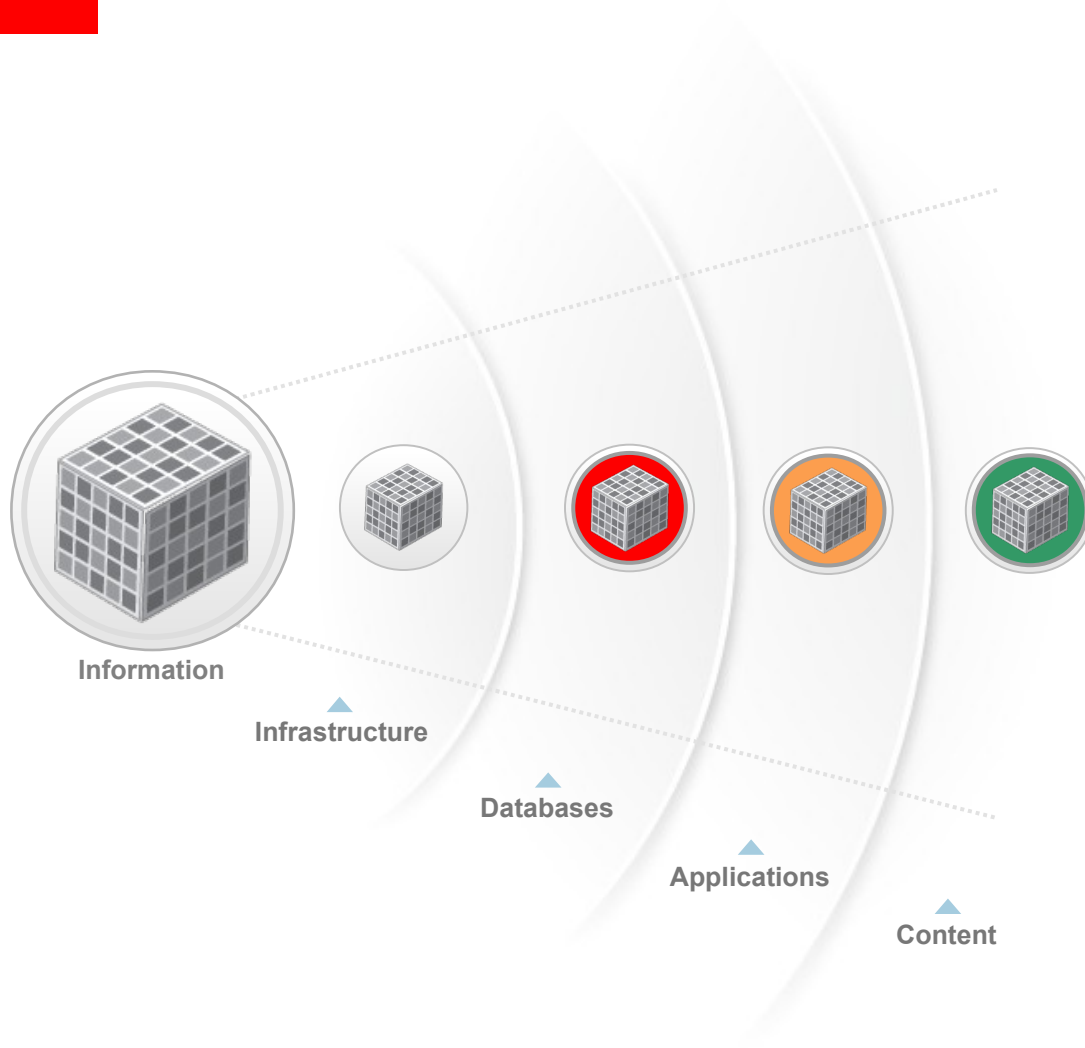


- Deliver a **complete, open, integrated** stack of hardware, infrastructure, database, middleware, and business applications
- Exploit processor, systems, storage, and networking trends to deliver breakthrough innovations by combining **Oracle software** with **Sun hardware**
- **Integrate** components of Oracle's software stack to provide unique value to customers

Oracle Fusion Middleware



Oracle Security Inside Out



Database Security

- Encryption and Masking
- Privileged User Controls
- Multi-Factor Authorization
- Activity Monitoring and Audit
- Secure Configuration

Identity Management

- User Provisioning
- Role Management
- Entitlements Management
- Risk-Based Access Control
- Virtual Directories

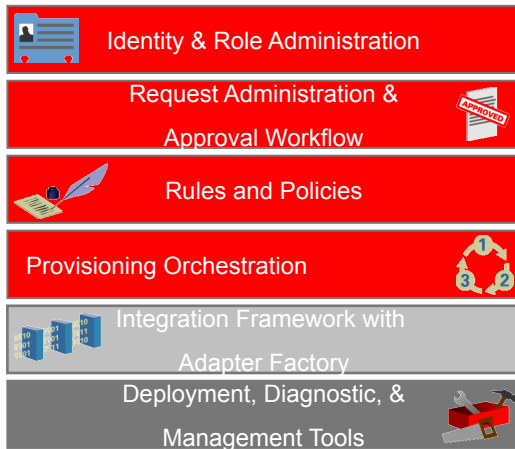
Information Rights Management

- Document-level access control
- All copies, regardless of location (even beyond the firewall)
- Auditing and revocation

Oracle Identity Administration

11g Strategy

Oracle Identity Manager



Oracle Identity Analytics



Oracle Access Management



Shared Services for Identity (SSI)



Role Administration



Organization
Administration



User Administration



Request and Approval
Workflows

Oracle Identity Management

Product Strategy

Comprehensive

Service-Oriented
Security

‘Hot-Pluggable’

Best-in-Class Components

Modular Identity Services for rapid
integration with enterprise applications

Leverage Existing Investments in
Heterogeneous Environments



Post SUN Acquisition Product Strategy

Oracle's Integration Principles

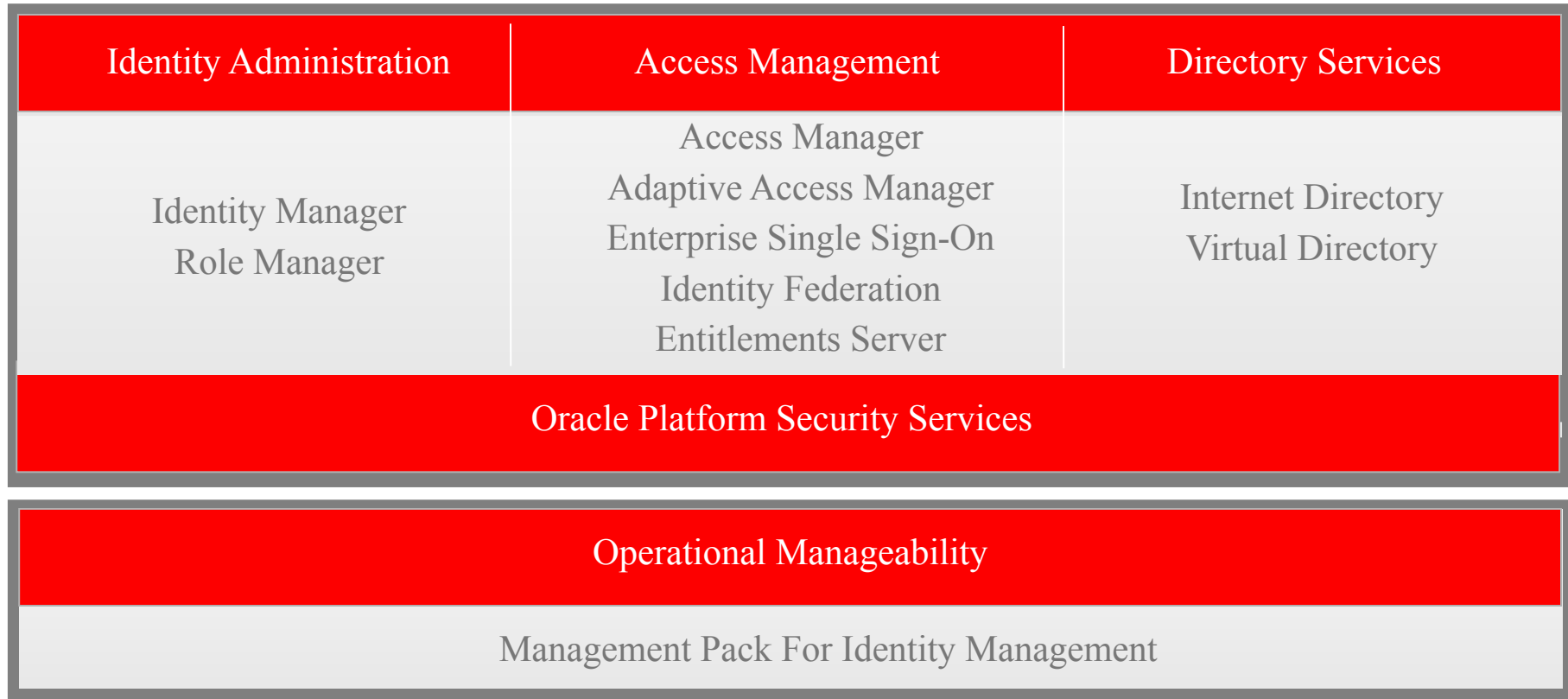
Strategic **Clarity** & Continuity for Immediate Benefit

- Clear, Well-Defined Integrated Product Strategy
 - Unifies Best-of-Best Products with Clear & Pragmatic Strategy
 - Accelerated Product Integration Lowers Cost & Complexity
- Additional Choices, Constant Communication
 - Well Defined Options available from your Oracle Teams
 - Multiple Resources and Touch-points to Provide Updates
- Protects & Enhances existing Customer Investments
 - No Forced Migration: No Policy Requires Migration from Sun
 - No Fundamental Changes to Strategic Principles (e.g. Hot-Pluggable)
- Broadens Oracle & Sun Investment in Identity Management
 - More resources across Engineering, Sales, & Support
 - Broad Partner Ecosystem

Sun Identity Management

| Identity Administration | Access Management | Directory Services |
|-----------------------------------------------------|------------------------|------------------------------------------------------------------------|
| Sun Identity Manager | Sun OpenSSO Enterprise | Sun Directory Server Enterprise Edition Sun OpenDS Standard Edition |
| Identity & Access Governance | | |
| Sun Role Manager Sun Identity Compliance Manager | | |

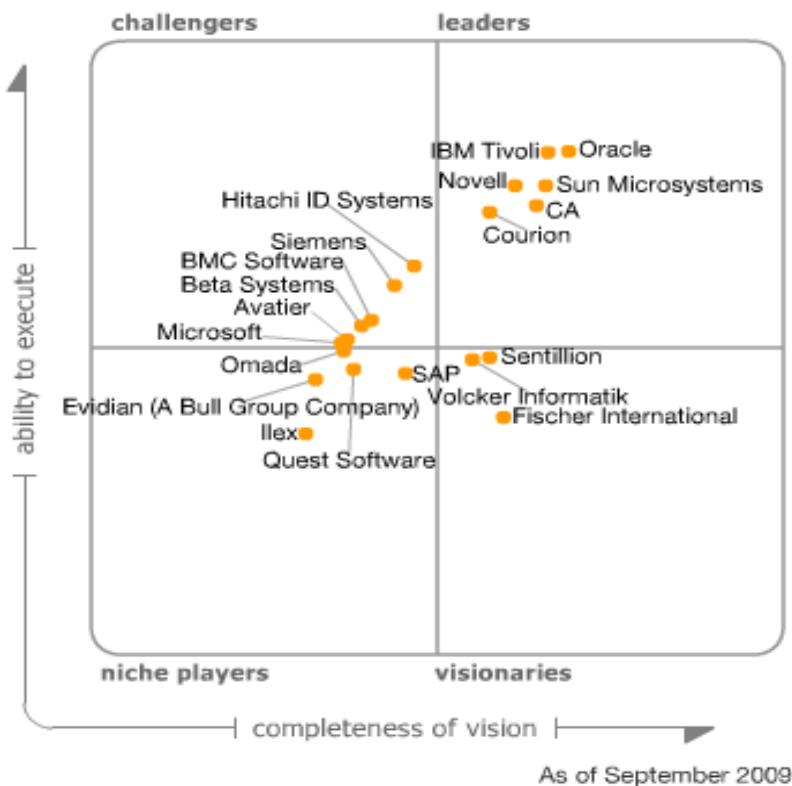
Oracle Identity Management



Oracle and Sun – Two Industry Leaders

Both Leaders in Gartner Magic Quadrants

Gartner Magic Quadrant for User Provisioning, H2 2009



Gartner Magic Quadrant for Web Access Management, H2 2009



Product Roadmap



Strategic Products



Continue & Converge



Maintenance

Oracle Support Tiers

| Key Feature | Premier Support | Extended Support | Sustaining Support |
|-----------------------------------------------------------|-----------------|------------------|--------------------|
| Major Product and Technology Releases | ● | ● | ● |
| Technical Support | ● | ● | ● |
| Access to Support Portal | ● | ● | ● |
| Updates and Fixes | ● | ● | Pre-existing |
| Security Alerts | ● | ● | Pre-existing |
| Critical Patch Updates | ● | ● | |
| Tax, Legal, and Regulatory Updates | ● | ● | |
| Upgrade Scripts | ● | ● | Pre-existing |
| Certification with Existing third-party Products/versions | ● | ● | |
| Certification with most new third-party products/versions | ● | | |
| Certification with most new Oracle products | ● | ● | |



Directory Services

Directory Services

Product Strategy

▶ Oracle Internet Directory

- Integrated LDAP directory with Oracle Fusion Middleware and applications

▶ Sun Directory Server Enterprise Edition

- Highly heterogeneous and scalable LDAP directory

▶ Oracle Virtual Directory

- Real-time consolidated view of disparate directories

▶ Sun OpenDS

- Leverage for strategic internal development effort

Directory Services

Combined Oracle-Sun Solution Focus

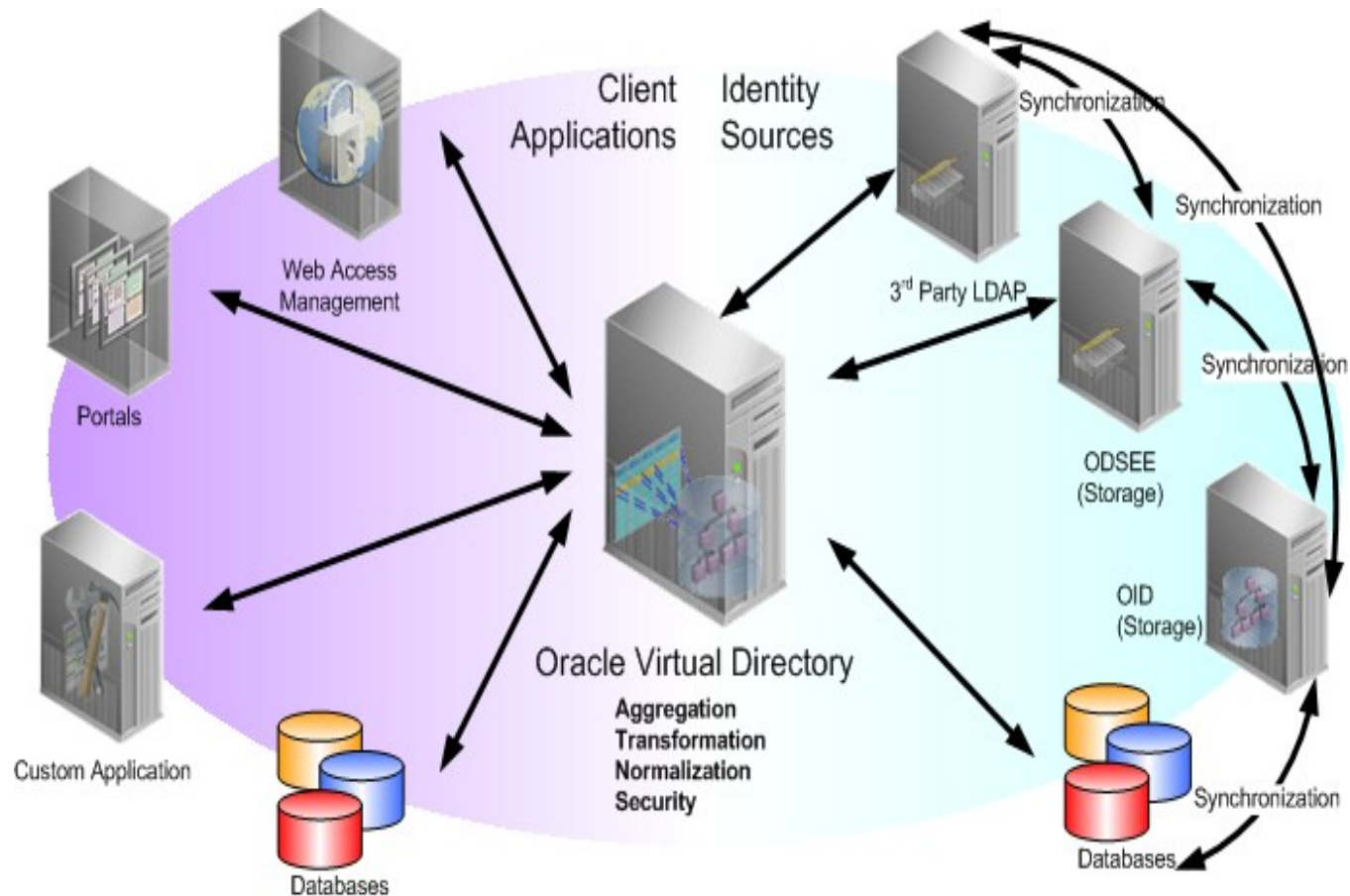
- Sun Directory Server Enterprise Edition (DSEE) and Oracle Internet Directory co-exist as strategic products
 - Oracle plans to enhance Sun DSEE with administration, reporting, systems management, and synchronization tools similar to OID
 - OpenDS continues as an open source project
- Oracle Virtual Directory is the strategic product for virtual identity consolidation
- Enhanced support and maintenance:

| Release | Premier Support Until | Extended Support Until | Sustaining Support Until |
|-----------------------------|-----------------------|------------------------|--------------------------|
| Sun Directory Server EE 7 | Dec 2014 | Dec 2017 | Indefinite |
| Sun Directory Server EE 6.x | Dec 2013 | - | Indefinite |

Only select releases shown, full details published at: <http://www.oracle.com/support/lifetime-support-policy.html>

Introducing Oracle Directory Services Plus

- The complete picture





Identity Administration

Product Offering

Identity Administration

▶ Oracle Identity Manager

- Integrated user provisioning / de-provisioning, with rich user/role administration & self service

▶ Sun Identity Manager

- Converge with Oracle Identity Manager
- Rebranded as Oracle Waveset

▶ Oracle Role Manager

- Converge with Oracle Identity Manager

Identity Administration

Combined Oracle-Sun Solution Focus

- Oracle Identity Manager is the strategic product for Identity Administration
 - Sun Identity Manager will converge with Oracle Identity Manager over time
 - Oracle Identity Manager will be enhanced with similar to Sun products' features on Digital Signatures & Tamper-Proof Auditing, Native IDE integration, Rules Engine, and select connectors
- Oracle plans to deliver tools for upgrading from Sun Identity Manager to Oracle Identity Manager
- Continued support and maintenance

| Release | Premier Support Until | Extended Support Until | Sustaining Support Until |
|--------------------------|-----------------------|------------------------|--------------------------|
| Sun Identity Manager 8.1 | Dec 2014 | Dec 2017 | Indefinite |
| Sun Identity Manager 8 | Dec 2014 | - | Indefinite |

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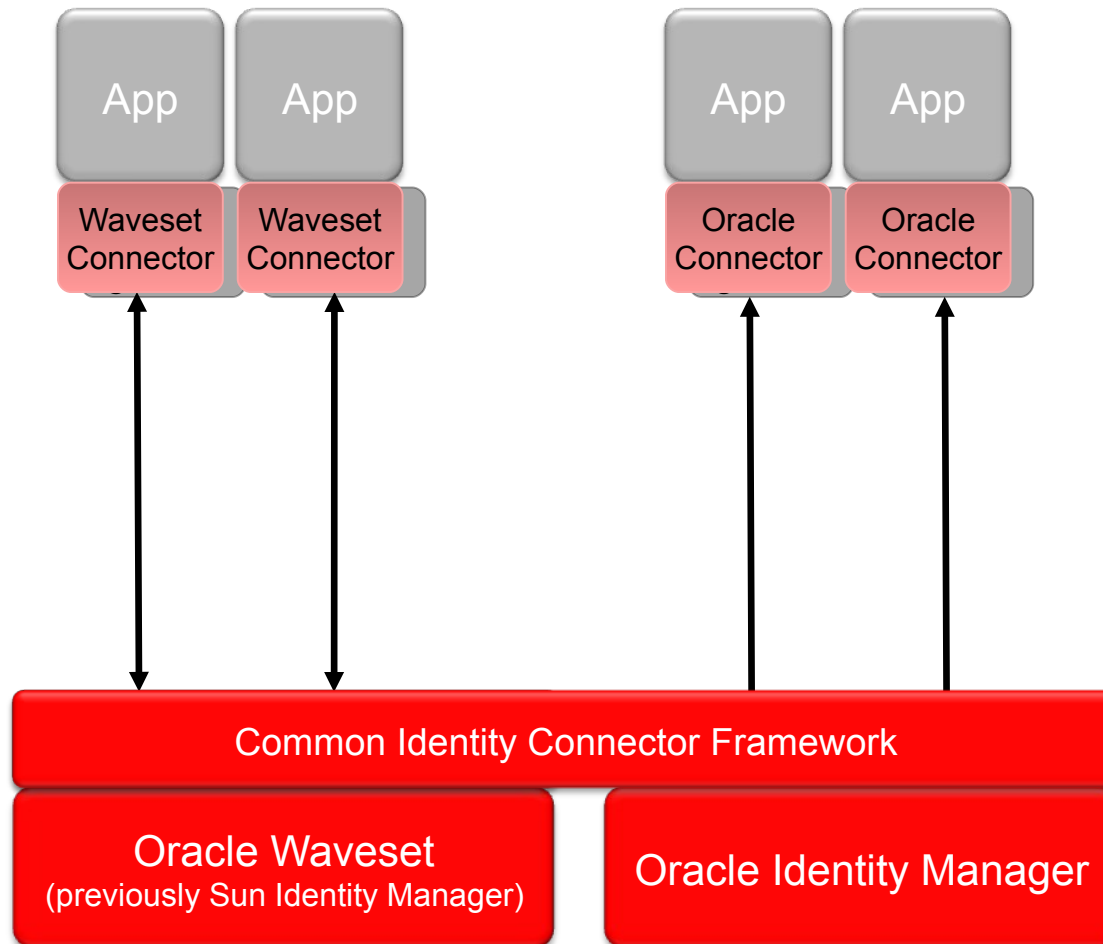
Oracle Waveset

Key Messages

- Common connector framework strategy to ensure that Oracle Waveset customers can uptake connector innovation
- Investment into co-existence and migration strategies
- Investment continues to integrate with existing and future versions of Oracle Identity Analytics
- Extended product support horizon to sustain current customer investments
- Developer friendly architectural principals of Oracle Waveset will converge into OIM
 - IDE Integration, Rule Designer, Form Designer etc
- Other Oracle Waveset features, missing in OIM, will be included in the roadmap
 - Digital Signatures, Tamper Proofing etc

Oracle Waveset to Oracle Identity Manager

Planned Connector Upgrade/Migration Architecture



- Sun's connectors remain intact with the new Common Identity Connector Framework
- OIM connectors will also be upgraded to work with new Common Identity Connector Framework
- Customers do not have to struggle with migrating their connectors
- Both Oracle and Sun customers benefit from increased choice of connectors

Oracle Waveset

Where do we go from here?

- Feel confident that current investments in Oracle Waveset are safe and secured based on Oracle's support timelines
- Leverage innovation in connectors based on Oracle's Common Connector Strategy
- Consider Upgrade to latest releases (8.1.1) of Oracle Waveset
- Consider investment into OIA integration to take advantage of strategic role administration and governance innovation in OIA
- Collaborate with Oracle to bring feature/function/connector parity in OIM
- Collaborate with Oracle to further harden the co-existence and migration strategies



Identity & Access Governance

Product Offering

Identity & Access Governance

▶ Sun Role Manager (Oracle Identity Analytics)

- Rich role engineering, compliance attestation/recertification, and identity analytics dashboards/reports

▶ Sun Identity Compliance Manager

- SICM goes into maintenance mode and is replaced by OIA

Identity Governance

Combined Oracle-Sun Solution Focus

- Sun Role Manager is the strategic product for Identity Governance
 - Rebranded to **Oracle Identity Analytics**
- Provides compliance attestation (recertification), and dashboards & reports for identity analytics
- Enhanced support and maintenance

| Release | Premier Support Until | Extended Support Until | Sustaining Support Until |
|----------------------|-----------------------|------------------------|--------------------------|
| Sun Role Manager 5 | Dec 2014 | Dec 2017 | Indefinite |
| Sun Role Manager 4.1 | Dec 2013 | - | Indefinite |

Only select releases shown, full details published at: <http://www.oracle.com/support/lifetime-support-policy.html>

Oracle Identity Analytics

Advanced Identity and Access Governance



- Compliance Control Panel
 - Actionable Dashboards & Comprehensive Analytics
- Accelerated and Sustainable Compliance Automation
 - Segregation of Duties, Access Certification, Closed-loop Compliance
- Rich Identity Warehouse
 - Optimized for Analysis, Mining, Correlation, Reporting on Identity, Access and Policy Data



Access Management

Access Management

Product Strategy

▶ Oracle Access Manager

- Oracle Access Manager is the strategic product for Web Single Sign-On

▶ Oracle Identity Federation

- Oracle Access Manager is the strategic product for Federated Single Sign-On

▶ Sun OpenSSO Enterprise 8.x

- Sun STS added to Oracle Access Manager.
Sun Fedled added to Oracle Identity Federation

Access Management

Combined Oracle-Sun Solution Focus

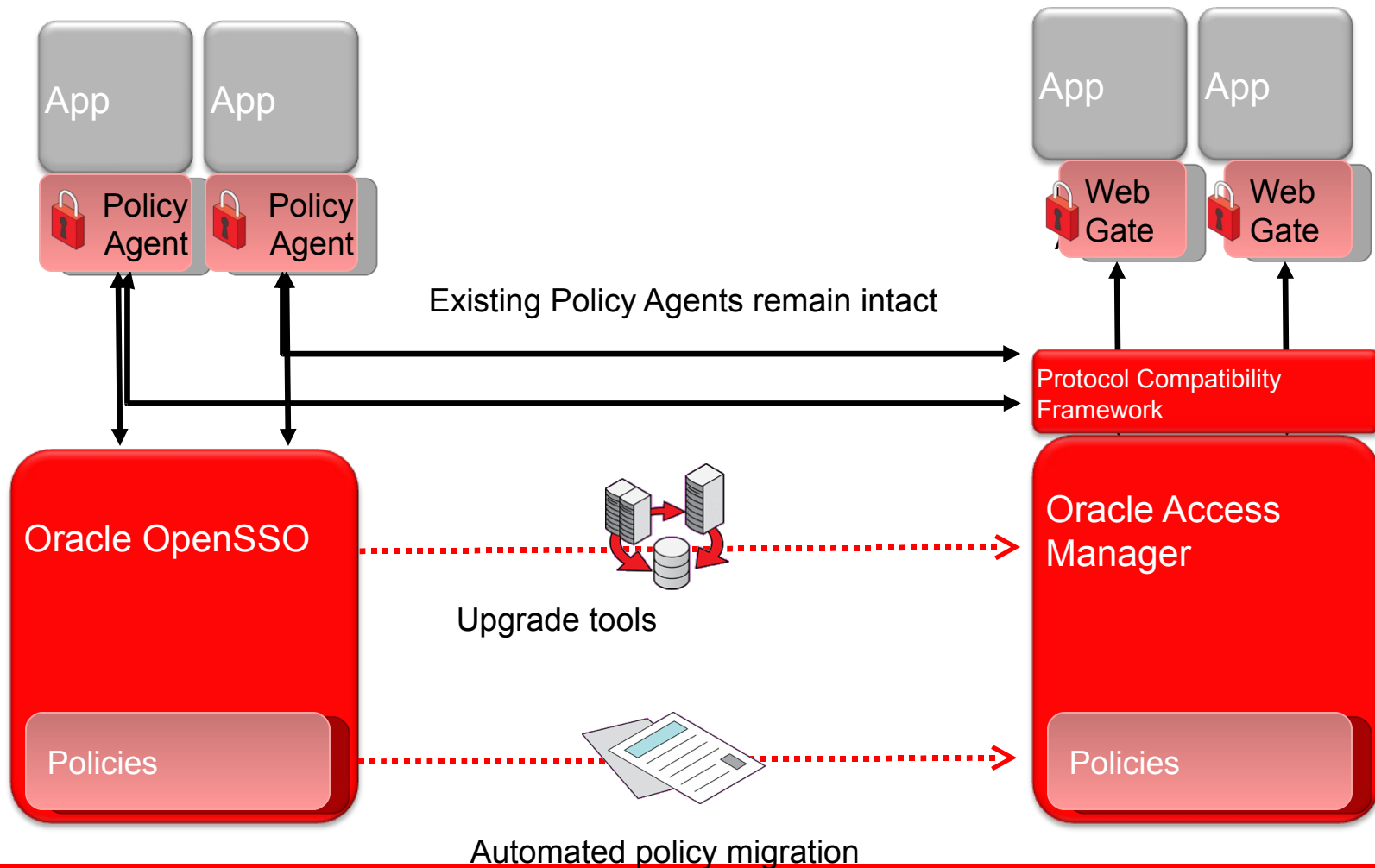
- Oracle Access Manager is the strategic product for Web Single Sign-On
 - OpenSSO continues as an open source project
- Oracle Identity Federation combined with Sun's Fedlet is the strategic product for Federated Single Sign-On
- Sun's Secure Token Service is added to Oracle Access Management Suite
- Oracle plans to deliver tools for upgrading from Sun OpenSSO Enterprise to Oracle Access Manager and Oracle Identity Federation
- Continued support and maintenance:

| Release | Premier Support Until | Extended Support Until | Sustaining Support Until |
|-------------------------|-----------------------|------------------------|--------------------------|
| Sun OpenSSO 8.x | Dec 2014 | Dec 2017 | Indefinite |
| Sun Access Manager 7.1x | Dec 2012 | Dec 2013 | Indefinite |

Only select releases shown, full details published at: <http://www.oracle.com/support/lifetime-support-policy.html>

OpenSSO to Oracle Access Manager

Planned Upgrade/Migration Architecture

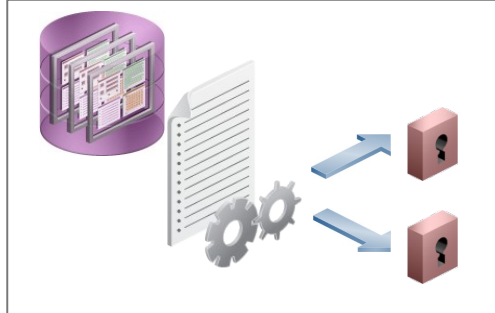


Access Management

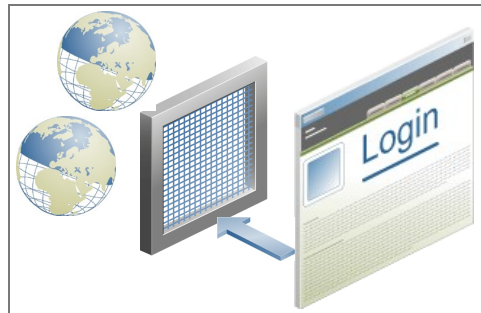
Incremental Oracle Products

- Fine Grained Authorization
- Centralized Policy and Entitlements Management

Entitlements Server

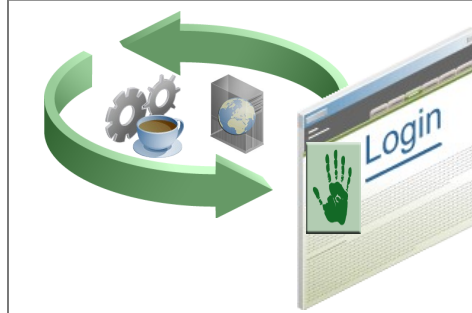


- Security for SOA & Web Services
- Runtime SOA Governance
- Distributed policy enforcement through agents and gateways



Web Services Manager

Adaptive Access Manager



- Real-time Fraud Prevention
- Strong Authentication
- Forensics Case Management



Enterprise SSO

- SSO for Desktop & Mainframe Clients
- Self-service Password Reset
- Support for Kiosk and Cloud Architectures



Support Overview

Rebranding of Sun Products

| Old Name | New Name |
|-----------------------------------------|--------------------------------------------|
| Sun Directory Server Enterprise Edition | Oracle Directory Server Enterprise Edition |
| Sun Role Manager | Oracle Identity Analytics |
| Sun Identity Manager | Oracle Waveset |
| Sun OpenSSO Enterprise | Oracle OpenSSO |

Identity Management

Continued Support and Maintenance

- Sun's active Identity Management products will continue to be supported and maintained for extended time periods

| Release | Premier Support Until | Extended Support Until | Sustaining Support Until |
|-----------------------------|-----------------------|------------------------|--------------------------|
| Sun Identity Manager 8.1 | Dec 2014 | Dec 2017 | Indefinite |
| Sun Identity Manager 8 | Dec 2014 | - | Indefinite |
| Sun Identity Manager 7.1x | Dec 2012 | - | Indefinite |
| Sun OpenSSO 8.x | Dec 2014 | Dec 2017 | Indefinite |
| Sun Access Manager 7.1x | Dec 2012 | Dec 2013 | Indefinite |
| Sun Role Manager 5 | Dec 2014 | Dec 2017 | Indefinite |
| Sun Directory Server EE 7 | Dec 2014 | Dec 2017 | Indefinite |
| Sun Directory Server EE 6.x | Dec 2013 | - | Indefinite |

Only select releases shown, full details published at: <http://www.oracle.com/support/lifetime-support-policy.html>

Identity Management

Roadmap Timelines

July 2009

H2CY2010

February 2010

CY2011

11gR1

Internet Directory
Virtual Directory
Identity Federation
Web Services Manager
Platform Security Services

Initial Sun Release

Directory Server EE
Identity Analytics
Oracle Waveset
Oracle OpenSSO

11gR1+

Identity Manager
Access Manager
Adaptive Access
Manager

11gR2

All Identity Management
products

Hundred Day Release

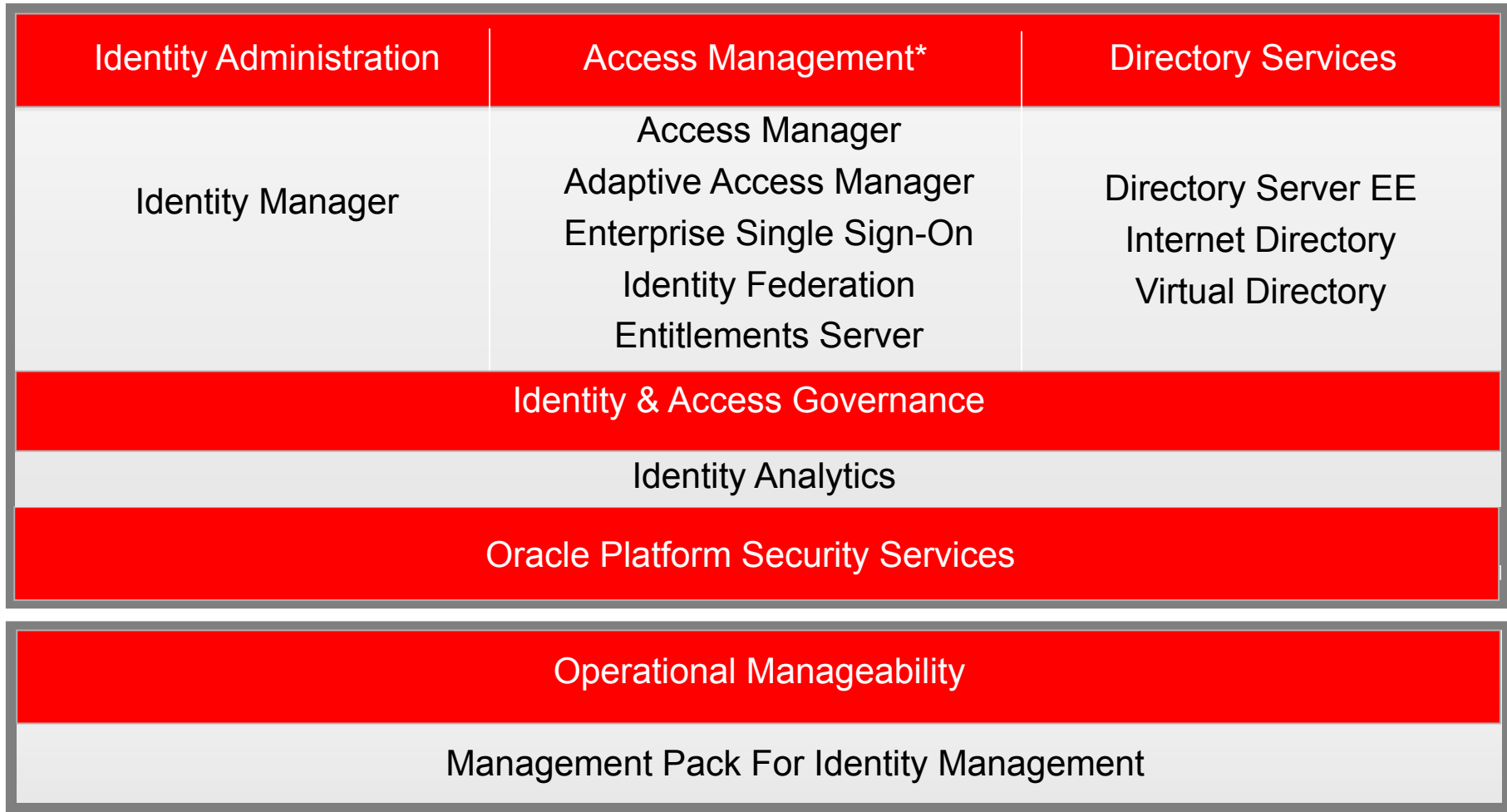
Directory Server EE
Identity Analytics
Oracle Waveset
Oracle OpenSSO



Summary

Oracle Identity Management

Oracle + Sun Combination



*Access Management includes Oracle OpenSSO STS and Oracle OpenSSO Fedlet

ORACLE

Oracle & Sun Identity Management

Summary

- ✓ Combination of two prominent industry leaders in Identity Management
- ✓ Customers benefit from
 - Expanded R&D investments
 - Global reach and support
 - Portfolio of products with broader and deeper functionality
- ✓ Existing customer investments protected through continued support

For more information, collateral, and downloads:

Oracle.com/Identity



SOFTWARE. HARDWARE. COMPLETE.

