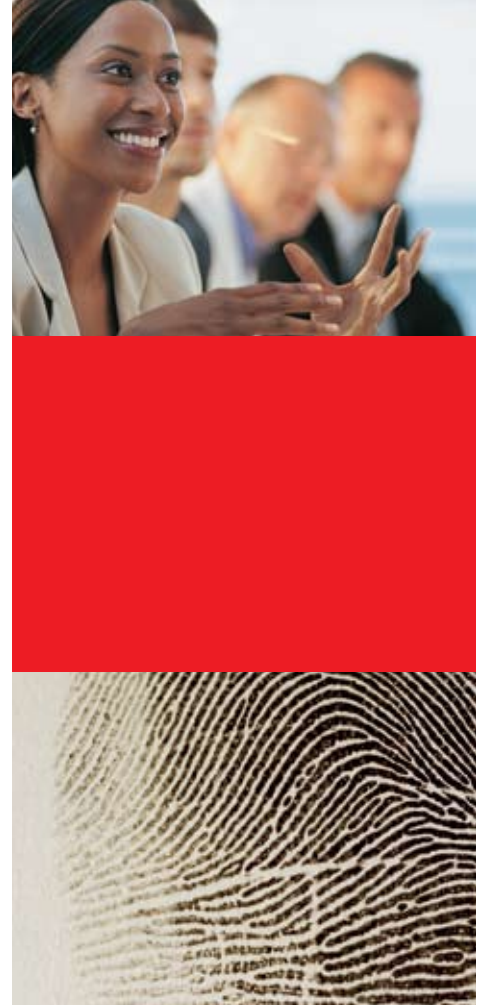


INFORMATION SECURED

Manage the End-to-End User Identity Lifecycle

Oracle Identity Management



ORACLE IS THE INFORMATION COMPANY

Identify Users
Accurately. Protect
Information Assets
Absolutely.

Leading companies depend on Oracle's best-in-class identity management solutions to achieve rock-solid security and comply with increasingly rigorous regulatory mandates while driving down administrative costs.

The days when assigning user names and passwords was considered an effective means of securely controlling access to key applications and data are long gone. Today you face a much tougher job managing who has access to what, when, and from where. Systems are much more complex and interconnected, making it difficult to assign access privileges that precisely match individual employees' organizational roles. Manual processes for granting—or revoking—access rights based on user needs are cumbersome, time-consuming, and impact business agility. Regulatory mandates have increased exponentially. And the costs of administering often-fragmented access policies have escalated accordingly.

To overcome these challenges, you need centralized access management policies that comply with both internal and external security mandates across the entire identity lifecycle. You also need an automation framework to ensure that these policies are consistently applied across all applications and systems—whether Web-based, client server, or legacy systems.

Oracle Identity Management allows enterprises to manage the end-to-end lifecycle of user identities across all enterprise resources—both within and beyond the firewall. With Oracle Identity Management, you can deploy applications faster, apply the most-granular protection to enterprise resources, automatically eliminate latent access privileges, and much more. Comprised of integrated best-of-breed components, decidedly application-centric, and easily “hot-pluggable” into all leading architectural platforms, Oracle Identity Management solutions provide everything you need to run a more agile, compliant, and secure business.



Fact: Based on information collected in four in-depth customer interviews, Forrester calculated a three-year, risk-adjusted ROI of 221 percent for a composite organization, with a payback period of six months. The composite company is intended to represent an electronics design and manufacturing company and is based on characteristics of the interviewed Oracle customers.

A commissioned study conducted by Forrester Consulting on behalf of Oracle

“Implementing Oracle Identity Management solved the identity management problems we were facing. This has had a positive impact on the work of Davivienda’s employees by giving them easier and more secure access to the information they use every day.”

Alejandro Patiño López, Chief of Information Security and Operating Risks, Davivienda

Why Identity Management?

Identity management is an integrated system of security policies, processes, and technologies that enables organizations to control access to critical online resources. Rather than attempting to solve access challenges using “siloes” point solutions, identity management implements centralized policies that clearly articulate how access will be decided and provisioned—and then supports those policies with a comprehensive and integrated technology solution.

The move toward end-to-end identity management policies and systems is being driven by three key challenges.

Increased Security Risks

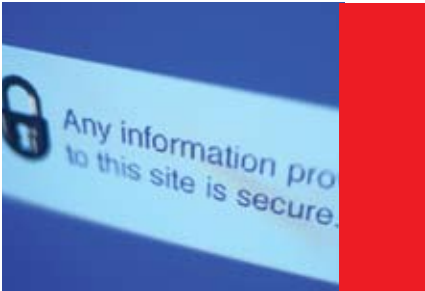
The primary impetus for implementing identity management is system security. If access rights to critical enterprise data and applications are not strictly controlled, organizations’ most valuable information assets are at risk. The stakes are high: a number of prominent firms have been hit by significant financial penalties for data breaches, as well as suffered damage to their reputations.

Mounting Compliance Mandates

As the number of regulations to ensure the integrity of corporate information continues to grow, companies are scrambling to put automated processes in place that streamline compliance with these mandates. Most organizations are approaching audits by manually monitoring and documenting user access to systems and data, but this is expensive, error prone, and unsustainable. The sheer complexity—and rising number—of regulations is straining their ability to continue in this mode.

Escalating Costs

Without a centralized identity management solution in place—or a patchwork of solutions from multiple vendors—the process for granting or revoking access rights for individual users is slow, cumbersome, and expensive. Manual processes eat up personnel hours, decrease productivity, and distract from more strategic tasks.



“Our information systems are a key part of what our business owners need to be successful, so consistent access to these systems is critical. We depend on Oracle Identity Manager to provision identities for the systems that employees need to access.”

Jason Headley, Director, Integration and Data Services Team, Chick-Fil-A

Oracle Identity Management: Effectively Managing Risk and Compliance

Oracle Identity Management offers the industry’s most advanced solution to overcome these challenges. An integrated suite of best-of-breed solutions, Oracle Identity Management is widely recognized as the premier identity management solution on the market today and is continuously evolving to meet your rapidly changing enterprise security and compliance needs.

Improve Enterprisewide Security

As the first step in implementing a successful identity management strategy, Oracle Identity Management solutions guide you through establishing centralized enterprise identities and roles. By providing the automated tools for aligning those identities and roles with the appropriate access privileges, you can streamline identity management policies and processes throughout your organization.

For example, Oracle Virtual Directory consolidates multiple, complex identity environments so they look like a

single unified Lightweight Directory Access Protocol (LDAP) store. This automatically links employee records with user accounts, helping to eliminate rogue and orphaned accounts, and limits access to critical information resources to only those employees who require it to do their jobs. Additionally, Oracle has built its own directory—the highly scalable Oracle Internet Directory—that is capable of handling billions of entries.

Oracle Identity Management also enables you to enforce strong, granular security policies via synchronization or single sign-on, which helps centralize your security systems. This gives administrators better and more-comprehensive access views that improve their ability to manage security across the enterprise. You can also implement strong authentication and risk-based authorization for critical applications, and enforce minimal access rights based on roles, attributes, and requests by implementing Oracle Access Manager, Oracle Adaptive Access Manager, and Oracle Enterprise Single Sign-On Suite—all acknowledged market-leading best-of-breed solutions for enterprise identity management.

“Compliance initiatives have thrust provisioning technologies into high demand. However, faced with volatile economic conditions, more and more organizations are justifying provisioning deployments on the basis of operational efficiency and cost reduction.”

Burton Group, *Provisioning Market 2009: Divide and Conquer*, January 15, 2009



“By using Oracle Identity Management, we can ensure that our employees, partners, and customers have access at all times to the information and services that they need, no matter where they are—a critical and significant benefit offered by our company.”

Georges Bongard, Project Manager, Single Sign-On, Swisscom IT Services AG, Bern

“Key activities that are required for a successful identity management process include ensuring that a complete audit trail of administration activities for these objects exists, and reporting on these activities for compliance purposes—regulatory, internal, and business relationship.”

Magic Quadrant for User Provisioning,
Gartner, August 2008

Achieve Sustainable Compliance

As regulations related to information security continue to proliferate, it is increasingly important to establish centralized security policies and automate key processes. Oracle Identity Manager and Oracle Role Manager have helped hundreds of organizations streamline user onboarding and offboarding in a way that complies with regulations. This drastically reduces the time and costs associated with compliance reporting, and allows for automated attestation for roles, policies, and entitlements. And by enforcing segregation of duties and linking human resource data to user accounts, Oracle Identity Management enables you to prepare for, implement, and pass audits with flying colors.

Lower Administrative and Development Costs

Managing access to systems and data in traditional ways is a costly endeavor. Primarily a manual process that involves numerous steps to complete, it can take weeks to grant, adjust, or rescind access privileges.

By choosing Oracle Identity Management, you can dramatically reduce the administrative and development costs associated with identity management. Delegated administration and self-service features relieve security professionals and help-desk personnel from having to respond to requests for forgotten passwords, eliminating millions of dollars in annual costs for a typical enterprise. In addition, automating user provisioning significantly improves the productivity of new employees, because onboarding time is typically reduced from two weeks to just hours.

Because Oracle Identity Management products are based on open standards, they can be deployed with any existing identity and access management system, allowing you to protect your current investments in IT while minimizing integration costs across applications, middleware, databases, and operating systems.



“[Oracle Identity Manager and Oracle Access Management Suite] have allowed us to automate and centralize our application sign-on processes statewide, while enhancing overall security. In just six months, Oracle provided us with a coordinated identity data infrastructure, and we are already reaping the benefits. Our employees and citizens have confidence in our ability to protect their personal data while delivering easy-to-use online tools.”

Thomas Jarrett, Secretary, Department of Technology and Information, State of Delaware

Improve Organizational Agility

The rights and attributes of each person who accesses your IT system continually change as roles, rules, and policies evolve within your enterprise. This challenge is compounded during mergers and acquisitions, and when partnering with suppliers, distributors, and customers. Oracle Entitlements Server provides centralized, standards-based policy management and distributed policy enforcement across enterprise applications. This creates a more secure enterprise environment and improves your ability to enforce policies consistently, so you can meet compliance mandates more easily.

Additionally, Oracle takes organizational agility beyond internal company boundaries with Oracle Identity Federation. Oracle Identity Federation enables organizations to securely link accounts and identities across security boundaries, without a central user repository or the need to synchronize data stores.

The Innovator in Identity Management

Oracle Identity Management is the most complete identity suite on the market today. Because it is application-centric, you can rapidly integrate it with other applications. And the fact that it is hot-pluggable infinitely eases deployment.

The Industry’s Most Comprehensive Identity Management Suite

Oracle leads the industry with award-winning identity management products and services that constitute the most complete solution offered by any vendor. Not only do you get a complete end-to-end answer to all your identity management needs, you also benefit from proven best-in-class functionality within each specific product category. And Oracle Identity Management products can be licensed individually, so you get the exact solution you need.



Fact: Breaches by third-party organizations such as outsourcers, contractors, consultants, and business partners were reported by 40 percent of respondents, up from 29 percent in 2006. Breaches by third parties were also more costly than breaches by the enterprise itself, averaging US\$231 compared to US\$171 per record.

Ponemon Institute: 2007 Annual Study: Cost of a Data Breach

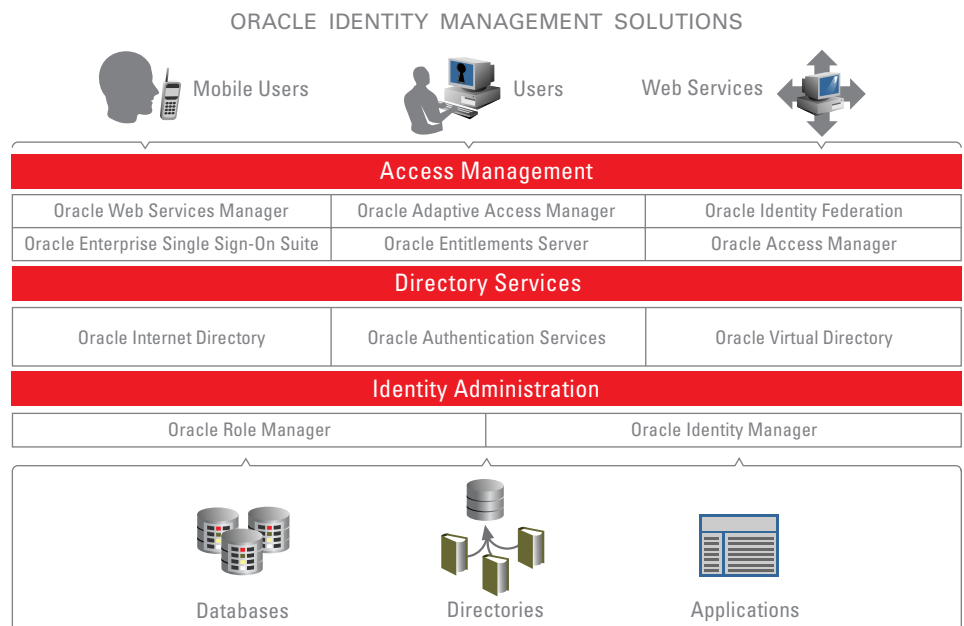
Oracle Identity Management Solutions

Products in the Oracle Identity Management solutions portfolio fall into three categories.

Access management. Oracle access management products sit at the front-end of your identity management framework. By serving as the gatekeeper for all your organization's critical information, they allow you to regulate user access to enterprise resources. Oracle's access management products span Web single sign-on, enterprise single sign-on, entitlements management, context-aware authentication, identity federation, and Web services security.

Identity administration and provisioning. These Oracle products help automate the entire lifecycle of identity data, policies, and processes. Oracle offerings span user provisioning, role management, and audit reporting.

Directory services. Oracle directory services solutions provide the basic building blocks for your identity management platform. Oracle provides state-of-the-art virtual directory and Lightweight Directory Access Protocol (LDAP) directory services, as well as integrated supporting technology that allows large enterprises to provide greater directory functionality in a wide array of deployments.



Application-Centric for Seamless Integration

Oracle is at the forefront of the next phase in identity management—one in which applications are identity-aware and natively plug into centralized identity management infrastructures. Rather than “tacking on” security functionality after an application has been installed, the identity management

functionality will be increasingly integrated seamlessly into the fabric of the applications themselves. This enables you to

- **Simplify development.** Using service-oriented security technologies, developers don't need to reinvent the security with each application. Neither do they have to worry about “bolting” security on during



Fact: According to an enterprise security survey of 433 North American IT professionals, internal sources are believed to pose a greater threat to the enterprise than external sources.

Oracle Database Security: Preventing Enterprise Data Leaks at the Source, IDC white paper sponsored by Oracle, Doc. No. 209752, February 2008

deployment. Instead, they simply invoke security functions such as authentication, authorization, role mapping, and auditing in their code.

- **Reduce deployment time.** Applications can be integrated out-of-the-box with existing identity management systems. No custom integration or development is necessary.
- **Enable deeper, more seamless integration.** Application-centric identity management enables more-sophisticated security capabilities, such as segregation of duties, fine-grained entitlements, role management, and more.

A Standards-Based, Hot-Pluggable Solution Eases Deployment

Oracle Identity Management solutions are based on Oracle Fusion Middleware. This award-winning technology's hot-pluggable capabilities enable customers to "drop and deploy" these solutions into a broad range of IT environments. Built on open standards, Oracle Identity

Management solutions are interoperable with identity management offerings from other leading vendors' applications, application servers, operating systems, directories, and portals. This allows you to

- **Expand your options.** Because Oracle Identity Management is interoperable with other identity management products, you are not tied to any particular vendor, and can pick and choose the specific security components you like across a broad range of platforms.
- **Protect your existing IT assets.** No need to "rip and replace" what you already have. Instead, Oracle Identity Management leverages your existing investments when building a comprehensive security framework.
- **Reduce integration costs.** With Oracle Identity Management, there's no need for custom coding or extensive integration consulting services. Each solution can be immediately deployed out-of-the-box and integrated seamlessly within your existing security processes.

"With our centralized authentication service built on Oracle Access Manager and Oracle Virtual Directory, we have eliminated the need to provide authentication as a built-in part of our enterprise applications, and in the process, centralized the policies and mechanisms required to ensure secure, compliant access to data and resources. The end result is greater security, streamlined IT management, and a means for enhanced collaboration."

William Barnes, Director, Identity Services,
Pfizer Worldwide Technology



“Compliance and audit requirements are driving enterprises to separate security, or at least authentication and authorization, from applications, wherever possible. Security is increasingly seen as an “envelope” around business logic that should be managed and controlled separately, and this is generating interest in heterogeneous access management solutions.”

Gartner Inc., *Magic Quadrant for Web Access Management*, November 2008

Oracle Products

Access Management

- Oracle Web Services Manager
- Oracle Adaptive Access Manager
- Oracle Identity Federation
- Oracle Enterprise Single Sign-On Suite
- Oracle Access Manager
- Oracle Authentication Services for Operating Systems
- Oracle Entitlements Server

Identity Administration and Provisioning

- Oracle Identity Manager
- Oracle Role Manager

Directory Services

- Oracle Internet Directory
- Oracle Virtual Directory

Investing Today to Secure Your Information Assets Tomorrow

Oracle is today’s leading identity management solution provider. Only Oracle offers the highest return on your investment with improved security, lower administrative costs, high scalability, and the backing of an industry leader. And security is not just another line of business for Oracle—it is strategic to Oracle’s entire product portfolio. As such, Oracle is continuously evolving its identity management product suite to meet changing business requirements.

With Oracle Identity Management, you can fulfill all your identity management requirements from a single, industry-leading vendor. This means less time spent integrating disparate components, a single point of contact for support, a single license contract, and the backing of the world’s largest enterprise software company.

CONTACT US

To learn more about Oracle Identity Management, please visit oracle.com/identity or **+1.800.ORACLE1** to speak to an Oracle representative.

Outside North America, visit oracle.com/corporate/contact/global.html to find the phone number for your local Oracle office.



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