

# Provide access control with innovative solutions from IBM.



## Highlights

- Help protect assets and information from unauthorized access and improve business productivity
- Implement and manage user identities throughout the identity lifecycle
- Control access across diverse applications, data stores, environments and security domains
- Help reduce costs for business integration, help-desk and security administration through single sign-on (SSO) and automated process and workflow management
- Help ensure consistent execution of security policies and regulatory mandates with centralized control
- Integrate access and identity management within one infrastructure environment

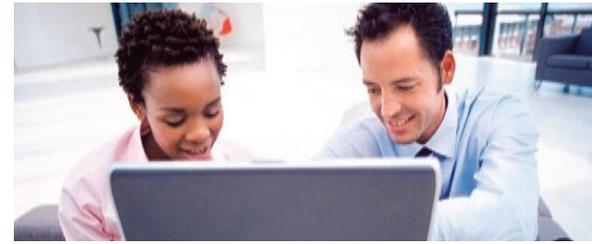
Unauthorized access to information assets is a critical, complex and growing threat to the security of today's organizations. Organizations have to know "who, what, when and where" in terms of accessing their logical and physical resources, from inside and outside the enterprise.

IBM provides a unified strategy for enterprise security that includes powerful, cost-effective and easy-to-use identity management and access control solutions. With IBM, you can develop a solution that covers the identity management lifecycle — all while addressing security needs in a compliant, cost-effective and efficient fashion.

## Take advantage of IBM leadership in enterprise security

As a world leader in enterprise security, IBM develops innovative, advanced, modular and affordable solutions to help organizations stay ahead of security threats while supporting compliance and business requirements.

Drawing on our extensive experience, broad technical knowledge and deep understanding of today's security threats, IBM has developed a unified strategy for enterprise security, ranging from careful assessment of threats or potential issues to ongoing monitoring and proactive action against exposures.



IBM security solutions provide identity management and access control capabilities. Leveraging integrated identity management and access authorization solutions based on offerings from IBM Tivoli® software, IBM Identity and Access Management Services and IBM Business Partners can help you:

- Lower risk of fraud and theft.
- Facilitate collaboration among employees, partners and suppliers.
- Reduce identity management and security operations costs.
- Maximize usability and profitability for your business and your partners.
- Streamline audit and compliance processes in a heterogeneous environment.

### **Address identity management across the enterprise — and beyond**

IBM provides security-rich, automated, policy-based user management solutions that help effectively manage identities, authentication and access to both Web services and legacy applications. IBM Identity and Access Management Services such as Identity Lifecycle Management and Access Management can assist you in further leveraging the full suite of identity and access products from IBM Tivoli software.

IBM Tivoli Identity Manager enables customers, employees, business partners and suppliers to access information in a security-rich, flexible and cost-effective manner. Tivoli Identity Manager helps enterprises get their employees productive quickly by automating new account creation and by providing self-care password management.

With Tivoli Identity Manager, IT organizations can:

- Improve visibility into security management operations and quickly produce centralized reports about security policy, access rights and audit events for auditors.
- Establish centralized, policy-based access control and audit trails across key information systems.
- Use an embedded workflow engine for automated submission and approval of user requests.
- Automate the implementation of administrative requests by using an embedded provisioning engine.
- Take advantage of a sophisticated, role-based administration model for delegation of administrative privileges.

### **Develop comprehensive access authorization solutions**

IBM access authorization solutions provide timely access throughout the user's lifecycle — across multiple environments and security domains — while enforcing security and protecting the IT environment from external threats.

IBM Identity and Access Management Services can provide you with versatile solutions for authentication and authorization problems, ranging from simple SSO to more complex security infrastructure deployments.

### **Consistently enforce access policy**

IBM Tivoli Access Manager for e-business can help you manage growth and complexity, control escalating management costs and address the difficulties of implementing security policies across a wide range of Web and application resources. Tivoli Access Manager for e-business can help:

- Define and manage a centralized authentication, access and audit policy for a broad range of business initiatives.
- Establish a new audit and reporting service, which collects audit data from multiple enforcement points as well as from other platforms and security applications.



- Enable flexible SSO to Web-based applications that can span multiple sites or domains, helping to reduce help-desk calls and other security problems associated with multiple passwords.
- Leverage a common security policy model with the Tivoli Access Manager family of products to extend support to other resources.

### ***Flexibly administer identities and access across organizations and enterprises***

IBM Tivoli Federated Identity Manager enables customers, suppliers and business partners to conduct business across disparate environments and multiple security domains in a protected, flexible and efficient manner. Tivoli Federated Identity Manager also delivers trust management capabilities for organizations to secure access to mainframe and distributed applications and services in a service oriented architecture (SOA) environment. Providing a simple, loosely coupled model for managing identity and access to resources, Tivoli Federated Identity Manager can help:

- Reduce business integration, help-desk and security administration costs with an easy-to-use, rapidly deployable SSO solution.

- Minimize the cost and burden of creating and maintaining user identities shared across multiple business partners.
- Establish centralized identity mapping and token mediation for Web services.
- Improve compliance with tracking and auditing capabilities.
- Rapidly deploy and share Web-based services with business partners.

IBM Tivoli Federated Identity Manager Business Gateway complements Tivoli Federated Identity Manager, providing an ideal entry point for establishing federated Web SSO capabilities. Designed for small-to-midsize organizations, Tivoli Federated Identity Manager Business Gateway can bring together customers, business partners and suppliers with a single, easy-to-deploy application that also provides a smooth migration pathway to an enterprise-level application.

### ***Simplify end-user experience with SSO***

IBM Tivoli Access Manager for Enterprise Single Sign-On provides a simple authentication capability across applications. The solution can simplify the end-user experience by removing the need to remember user names and passwords. It also can enhance

security by eliminating poor end-user password behavior. In addition, the solution can provide fast, tangible reduction in IT help-desk costs by lowering the number of password reset calls, and it extends audit and reporting capabilities in a quick, simple-to-deploy solution. When coupled with IBM Identity and Access Management Services for Strong Authentication, the integrated solution can enable organizations to rapidly gain value from their investment in SSO.

Tivoli Access Manager for Enterprise SSO can also:

- Work with both Tivoli Access Manager for e-business and Tivoli Identity Manager, providing a robust solution that addresses the issue of password clutter throughout the enterprise.
- Support different types of user authentication from passwords to smart cards to biometrics.
- Operate from an administrative console that simplifies administrative tasks.
- Offer users simple enterprise SSO while connected or disconnected to the corporate network, roaming between computers or sharing a kiosk with multiple users.
- Add user sign-on data automatically to audit and reporting capabilities.

### ***Help protect against unauthorized access by privileged users***

IBM Tivoli Access Manager for Operating Systems is a simple-to-use, powerful security system that securely locks down business-critical applications, files and operating platforms to help prevent unauthorized access. This security capability can block both insiders and outsiders from unauthorized access to valuable customer, employee and business partner data. Tivoli Access Manager for Operating Systems also helps prevent configuration changes from being made to key applications, and it audits access of these applications to help ensure accountability for any changes made.

In addition, Tivoli Access Manager for Operating Systems provides the capabilities to:

- Audit application and platform activity, defending against malicious or fraudulent behavior by internal users and employees.
- Combine full-fledged intrusion prevention, host-based firewall, application and platform protection, user tracking and controls, robust auditing and compliance checking.
- Provide Persistent Universal Auditing to document compliance with government regulations, corporate policy and other security mandates.

- Provide best-practice security policy templates to minimize implementation effort and time.
- Deliver enterprise-wide security and auditing in a lightweight, easy-to-use product.

### **Take advantage of the wide range of IBM services**

IBM Identity and Access Management Services can provide extensive consultation, support and other services to help customers manage growth and complexity, control escalating management costs and address the difficulties of implementing security policies across a wide range of Web and application resources.

### **IBM: a leader in security solutions**

IBM has long been a world leader in security, with an ever-expanding range of experience, technical knowledge and expertise. Today, we have a global presence with more than 3,500 security and privacy experts worldwide. Backed by a network of IBM Business Partners, we can help organizations respond faster and more appropriately to security violations, threats and regulatory mandates.

We also lead in security innovation, with more than 100 patents in identity management products and technologies.

### **For example: IBM access control**

A rapidly growing company has made a major acquisition, with more planned in the near future. The IT organization must quickly and cost-effectively support an additional 500 users with the ability to scale to thousands across diverse IT infrastructures and security domains.

A key requirement to their solution involves administration. With resources already stretched to the limit, the IT organization needs a solution that can grow in size while reducing or, at a minimum, maintaining the administrative burden and cost of identity management.

IBM Identity and Access Management Services are chosen to manage the end-to-end user lifecycle management of identities within an organization. The solution reduces IT administration costs by providing Web self-care interfaces; creating local autonomy; automatically managing accounts, credentials and access rights throughout the user lifecycle; and providing scenarios that show the impact of proposed policy changes. It also enables administrator teaming through streamlined notification, bulk to-do items management, and task ownership and delegation.

An IBM solution leveraging Tivoli Federated Identity Manager supports the integration of identity and access management between companies, as well as with customers, suppliers and partners. The solution also addresses the cost of identity management by helping reduce the number of different systems, standardize the use of technology and outsource noncore functions. In addition, the company realizes a significant reduction in help-desk calls related to password issues — a central benefit of SSO.

In addition, we have experience in virtually every industry, with consultants who understand the unique business problems and needs of each industry.\*

IBM security solutions can help organizations assess their security exposure and needs, defend themselves from internal and external threats, implement and manage user identities, provide access control across applications and data sources, and watch for security exposures and intrusion attempts.

**For more information**

To learn more about how IBM security solutions can help you control access efficiently and effectively — or to find the IBM security solutions entry point that is right for your organization — contact your IBM representative or IBM Business Partner, or visit [ibm.com/itsolutions/security](http://ibm.com/itsolutions/security)

<b>IBM access control offerings include:</b>
<b>Identity lifecycle management</b> <ul style="list-style-type: none"><li>• IBM Tivoli Identity Manager</li></ul>
<b>Access policy enforcement</b> <ul style="list-style-type: none"><li>• IBM Tivoli Access Manager for e-business</li></ul>
<b>Identity federation</b> <ul style="list-style-type: none"><li>• IBM Tivoli Federated Identity Manager</li><li>• IBM Tivoli Federated Identity Manager Business Gateway</li></ul>
<b>Single sign-on</b> <ul style="list-style-type: none"><li>• IBM Tivoli Access Manager for Enterprise Single Sign-On</li></ul>
<b>Privileged-user access control</b> <ul style="list-style-type: none"><li>• IBM Tivoli Access Manager for Operating Systems</li></ul>
<b>IBM Identity and Access Management Services</b>

**About IBM solutions for enabling IT governance and risk management**

IBM enables IT organizations to support governance and risk management by aligning IT policies, processes and projects with business goals. Organizations can leverage IBM services, software and hardware to plan, execute and manage initiatives for IT service management, business resilience and security across the enterprise. Organizations of every

size can benefit from flexible, modular IBM offerings that span business management, IT development and IT operations and draw on extensive customer experience, best practices and open standards-based technology. IBM helps clients implement the right IT solutions to achieve rapid business results and become a strategic partner in business growth. For more information about IBM Governance and Risk Management, visit [ibm.com/itsolutions/governance](http://ibm.com/itsolutions/governance)



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\*[ibm.com/solutions/au/itsolutions/identityman/business.html](http://ibm.com/solutions/au/itsolutions/identityman/business.html)