

## Extending WebSphere application security with IBM Tivoli Access Manager for e-business



### The value of security

Security plays a critical role in e-business and can make the difference between business success and getting left behind the competition. A successful e-business needs to create new revenue streams by reaching new markets and customers. These goals cannot be reached without addressing relevant security issues. IBM® WebSphere® Application Server and WebSphere-based solutions have become the core e-business platform for a significant number of e-businesses. As these businesses extend their applications

to reach new markets and customers, security and trust issues become even more important.

### Extending WebSphere application security

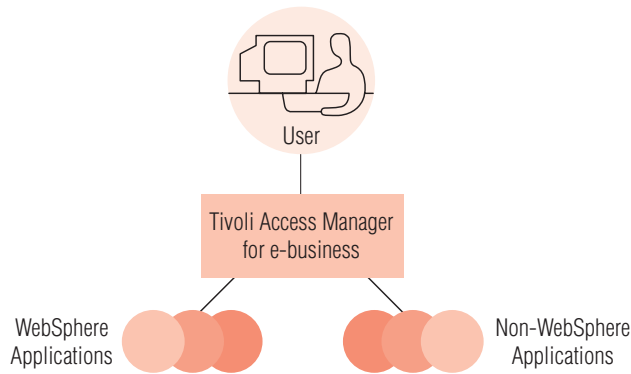
A leading Java™ transaction server, WebSphere Application Server can provide an application deployment environment with a set of powerful, supporting application services. The WebSphere Application Server includes its own base services for authentication and authorization. This model can be extended to support advanced forms of security, such as flexible authentication, wireless

support and delegated management, as well as to provide consistent security across heterogeneous e-business applications.

### Expanding your security capabilities

IBM Tivoli® Access Manager for e-business provides a powerful solution for authorization and single sign-on for Web and application servers. It can allow you to control wired and wireless access to applications in your business ecosystem, letting in the right people to your e-business and keeping out unauthorized people.

Based on open standards, Tivoli Access Manager for e-business provides role-based access control for Web, distributed and legacy applications from a single, central console. You can define a policy once and have it deployed automatically across your enterprise. It can help reduce the implementation time, management complexity and overall



*Tivoli Access Manager for e-business helps provide consistent security across your heterogeneous applications.*

total cost of securing your applications by removing the need for application developers to program customized security into each application.

Tivoli Access Manager for e-business addresses the following security-management areas:

- *Authentication*
- *Authorization*
- *Directory-based user and group management*
- *J2EE™ security integration*
- *Confidentiality*
- *Web single sign-on*
- *Auditing*

Tivoli Access Manager for e-business offers administrators a single, consistent graphical user interface and simplified commands for improved manageability and auditing.

By combining WebSphere Application Server with Tivoli Access Manager for e-business, you can enforce a consistent common security policy for

WebSphere and non-WebSphere applications across the e-business application platform. For example, when you deploy WebSphere with Siebel CRM, mySAP.com, Vignette, Ariba or Microsoft® solutions using Active Directory, Tivoli Access Manager for e-business integration delivers a common security model with Web single sign-on across these heterogeneous e-business platforms. This means you do not have to define security policies in each application but can leverage Tivoli Access Manager for e-business to deliver an integrated security model across the e-business and enterprise applications.

Furthermore, when the e-business needs to be integrated with enterprise applications (by leveraging WebSphere MQ, for example), Tivoli Access Manager for e-business can deliver an integrated security model across WebSphere resources and WebSphere MQ applications—from the same central security administration point. You can also use the

same security infrastructure to secure user and administrator access for your UNIX® and Linux® systems.

Through the integration of WebSphere Application Server and Tivoli Access Manager for e-business, WebSphere applications get the added benefits that accrue in an environment protected by Tivoli Access Manager for e-business, such as Web single sign-on, performance, availability and scalability characteristics.

Enabling a highly secure architecture, Tivoli Access Manager for e-business offers extra protection for WebSphere applications running in a secure intranet. Only certificate-based and authenticated traffic can pass through the security proxy checkpoint of Tivoli Access Manager for e-business.

Together with WebSphere, Tivoli Access Manager for e-business can provide an integrated solution for your e-business security needs, combining core security technologies

with common security policies.  
Benefits include:

- *Web single sign-on capability across multiple applications, which can help lower help-desk costs and improve customer satisfaction*
- *A central repository for authorization policy, which can help reduce administration costs*
- *High-performing, scalable solution with robust support for replication, load balancing and caching*
- *Delegated administration of user management and authorization policy, allowing clear delineation of administrative responsibilities*
- *Support for multiple authentication mechanisms, including certificates, without affecting the target application*

Extending the security of a proven access control solution through integration with other components of identity management can help you accelerate business opportunities for reducing costs and reaching new markets. Tivoli Access Manager for e-business integrates with other components of an identity management blueprint: identity lifecycle management (user self-care, enrollment and provisioning), identity control (privacy management and auditing for sensitive information) and identity foundation (directory and workflow). This level of integration can help you optimize costs and provide a strong security solution.

### **IBM software integrated solutions**

WebSphere Application Server and Tivoli Access Manager for e-business support a wealth of other offerings from IBM software. IBM software solutions can give you the power to achieve your priority business and IT goals.

- *DB2® software helps you leverage information with solutions for data enablement, data management and data distribution.*
- *Lotus® software helps your staff be productive with solutions for authoring, managing, communicating and sharing knowledge.*
- *Tivoli software helps you manage the technology that runs your e-business infrastructure.*
- *WebSphere software helps you extend your existing business-critical processes to the Web.*





### To learn more

For information on WebSphere Application Server, Tivoli Access Manager for e-business and integrated solutions from IBM, contact your IBM sales representative or visit [tivoli.com/security](http://tivoli.com/security)

### Tivoli software from IBM

An integral part of the comprehensive IBM e-business infrastructure solution, Tivoli technology management software helps traditional enterprises, emerging e-businesses and Internet businesses worldwide maximize their existing and future technology investments. Backed by world-class IBM services, support and research, Tivoli software provides a seamlessly integrated and flexible e-business infrastructure management solution that uses robust security to connect employees, business partners and customers.

© Copyright IBM Corporation 2002

IBM Corporation  
Software Group  
Route 100  
Somers, NY 10589  
U.S.A.

09-02  
All Rights Reserved

IBM, the e-business logo, the IBM logo, DB2, Tivoli and WebSphere are trademarks or registered trademarks of International Business Machines Corporation in the United States, other countries or both.

Lotus is a registered trademark of Lotus Development Corporation and/or IBM Corporation.

Microsoft is a registered trademark of Microsoft Corporation in the United States, other countries or both.

UNIX is a registered trademark of The Open Group in the United States and other countries.

J2EE, Java and all Java-based trademarks are trademarks of Sun Microsystems, Inc. in the United States, other countries or both.

Linux is a registered trademark of Linus Torvalds.

Other company, product and service names may be the trademarks or service marks of others.

The Tivoli home page on the Internet can be found at [ibm.com/tivoli](http://ibm.com/tivoli)

The IBM home page on the Internet can be found at [ibm.com](http://ibm.com)