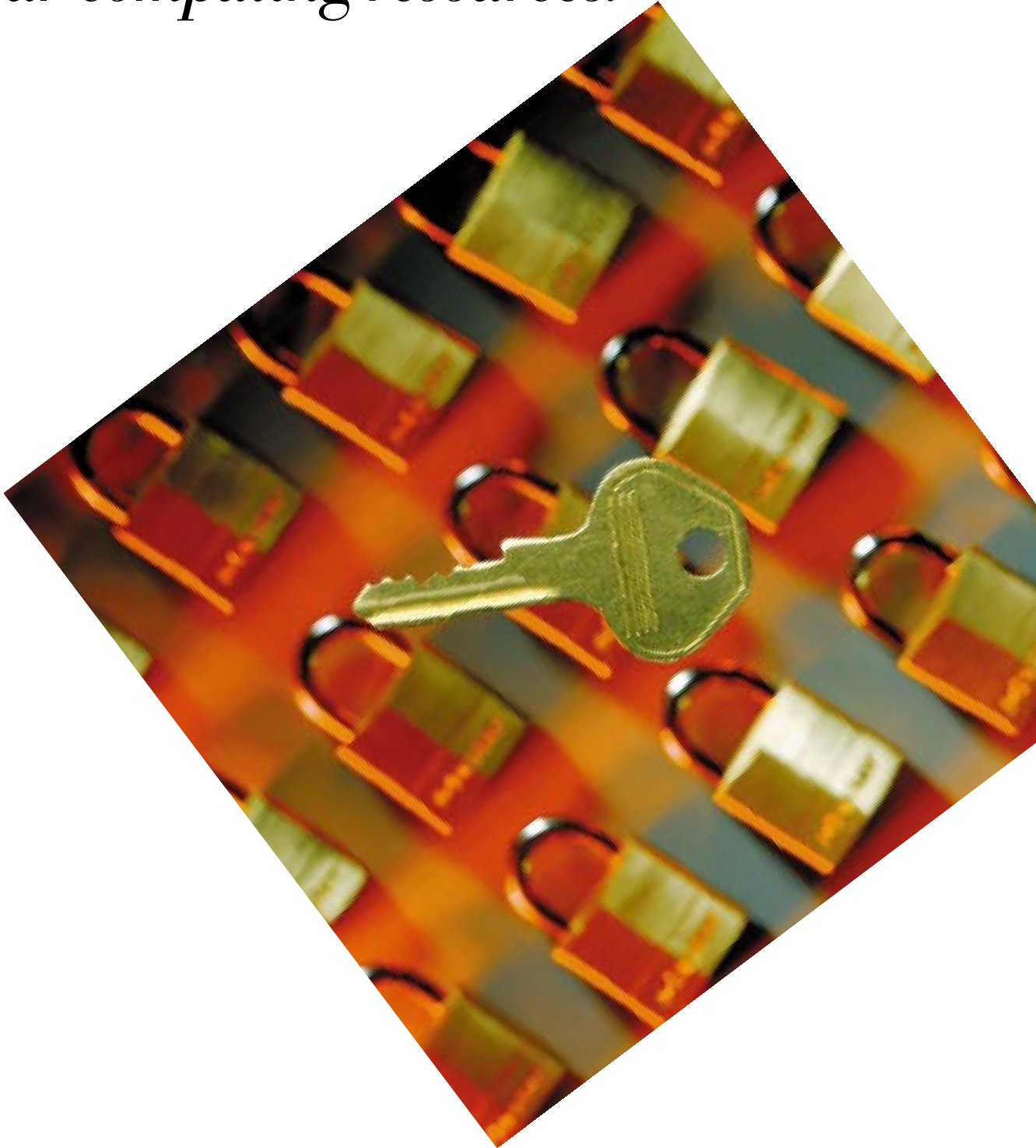


Global Sign-On



*Secure single-entry access
to your computing resources.*



Improved security and performance

IBM® Global Sign-On™ (GSO) provides a secure, single point of entry to computing resources that not only enables organizations to connect disparate networked systems but also results in significant benefits, such as:

- **Increased security.** GSO supports the use of password, fingerprint or smartcard authentication to confirm authorized users.
- **Easier administration.** GSO makes it easier for users to set up and manage their passwords and user IDs.
- **Increased productivity.** GSO reduces the time required to complete logons and manage users and the overall system.

GSO is easy to use and manage because it eliminates the need for users to memorize multiple passwords and user IDs. It strengthens existing enterprise security because it prevents the security exposures generated by multiple passwords (users writing down information to retain it) and trivialized passwords (simple words that are easy to decode). And GSO permits only authorized users to store, transmit and distribute passwords.

GSO integrates with your existing operating systems. It's consistent with (and across) the leading operating

system platforms for truly global, single sign-on capabilities. GSO extends to allow maximum flexibility for adding new applications and it minimizes the programming effort needed to support them. And GSO supports login access to 3270 mainframe applications, AS/400® applications, LAN Server, OS/2® Warp Server, Novell NetWare, Windows NT® Server, Lotus Notes®, databases, local operating systems and DCE applications.

Based on open standards, GSO allows users to reap the benefits of an open solution to simplify the user logon process in a secure way and let administrators leverage existing security infrastructures. GSO supports a location-independent logon so a user can work from any machine equipped with GSO.

Easy access

When a GSO user logs in to the local operating system, GSO authenticates the user to the authentication server. Successful authentication triggers the retrieval of user information, such as target systems and applications, that the user is authorized to use. These user resources are then displayed in the GSO graphical user interface (GUI). When the user selects the target systems or applications to be used, application-specific identification and authentication (I&A) information is securely retrieved from the GSO server. Logon proceeds automatically and asynchronously using the application-specific mechanisms. And GSO provides logon status information throughout the logon process.

Easy management

For easier management of single sign-on information, GSO includes a complete line of graphical and command line interfaces, such as:

- **Global Sign-On Client.** Provides both graphical and command line interfaces, offers configurable target logon options and displays status of logon processing and auditing.
- **Global Sign-On Administrator.** Manages the number of GSO users and administrators, user target systems and passwords, audit logs, GSO server error logs and secret keys used to access mainframe systems.

Complete integration with Tivoli

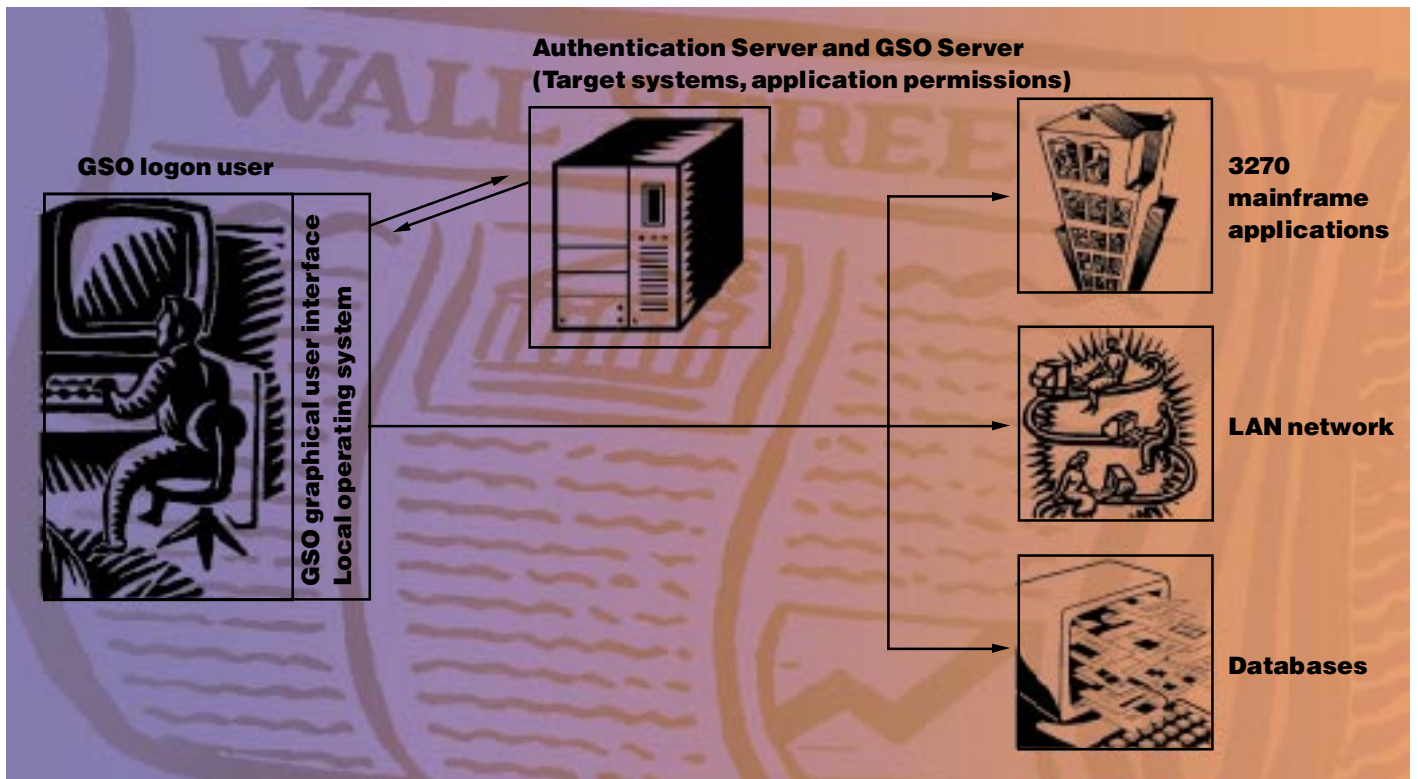
As part of a complete security management solution from IBM, Global Sign-On integrates fully with the Tivoli® User Administration Product.

In this environment, a designated Tivoli administrator can manage GSO users and targets from one centralized console. Role-based administration is also available with this support.

GSO also integrates with the Tivoli framework. This allows GSO installation and configuration to be managed by the Tivoli Software Distribution product.

GSO—your key to secure single-entry access

Let GSO connect your users to their computing resources with one password. GSO gives you the capability to prevent security risks, reduce overall administration efforts and improve productivity of individual users and administrators—all of which translates into significant cost savings for your organization.



John Green, a stockbroker in Pittsburgh's XYZ Investment Company, begins work each day by logging on to a computer to check e-mail, retrieve customer information from the database located on the company's LAN and initiate buy or sell orders for his customers through a central computer located on Wall Street. To successfully access these systems that are located inside and outside the company, John uses a different user ID and password for each system.

IBM Global Sign-On lets John log on securely to these different systems and resources with just one user ID and password. John initiates his logon request from his computer (which runs the GSO-supported local operating system). The request travels to the authentication server to confirm his identity. Once confirmed, all information pertaining to the applications and target systems that John can access are returned to his computer and displayed through the GSO GUI. When John selects a specific application or target system he'd like to use, the GSO Server retrieves the appropriate access information and completes the logon process automatically.

Platform support

GSO is supported on the following platforms:

- GSO Client
 - OS/2 Warp 3.x, 4.x
 - Windows NT 4.0 Workstation
 - Windows 95
- GSO Server
 - IBM AIX® Versions 4.1.4+ or 4.2
 - Windows NT 4.0
 - Sun Solaris 2.5.1

Supported target systems

GSO currently supports automated logons to the following targets:

- 3270 mainframe applications
- 5250 midrange applications (OS/400®)
- OS/2 LAN Server 4.x
- OS/2 Warp Server
- Novell NetWare 3.x and 4.x
- Windows NT 4.0 Server
- Lotus Notes 4.x
- Databases (DB2®, Informix, MS SQL Server, Oracle and Sybase)
- Local operating systems
- DCE applications
- PeopleSoft
- ShareWorks

For more information

To learn more about Global Sign-On, contact your IBM representative or business partner. Or visit our Web site at www.software.ibm.com/enetwork/globalsignon.



Connect your

employees to all of their

computing resources **with**

one password—with

the IBM Global Sign-On (GSO)

product. Designed for companies

with large enterprises that extend

across many different

applications and networked

systems, GSO grants users

global access to the

computing resources they are

authorized to use, with just **one**

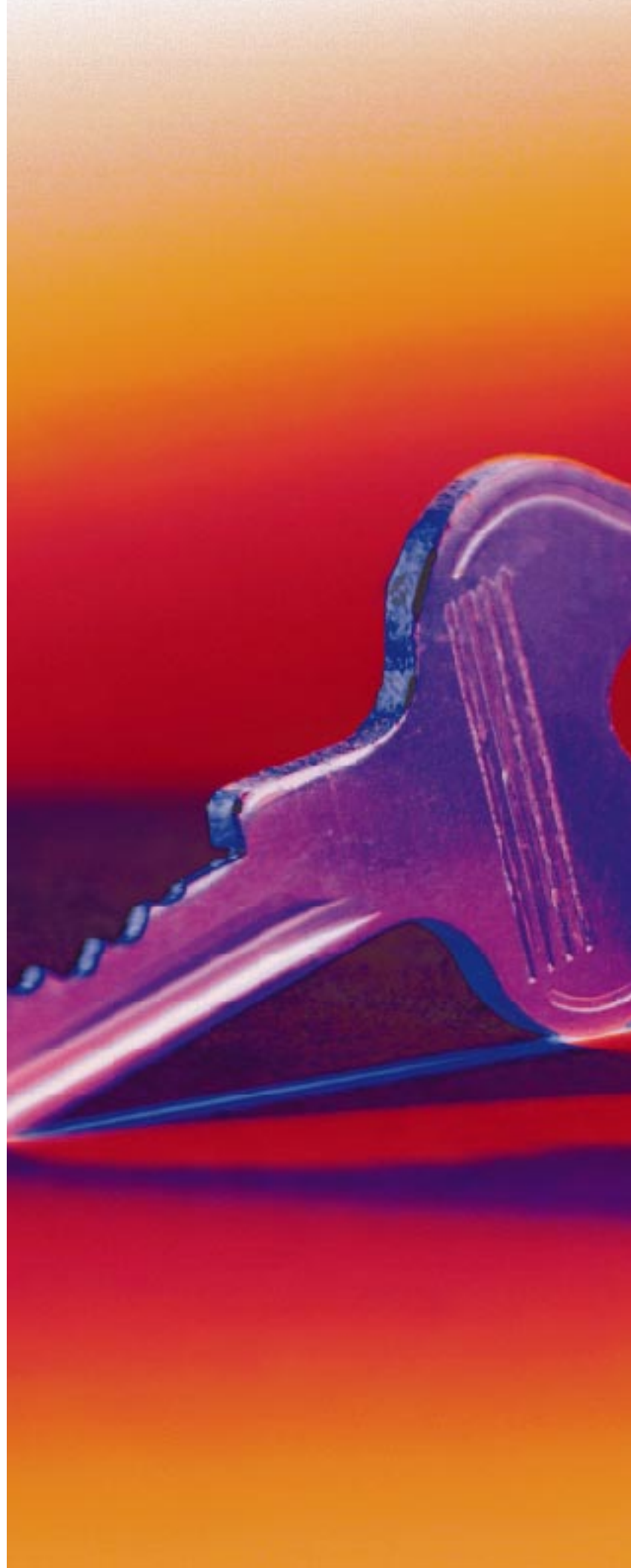
logon. The need for

users to memorize multiple logon

IDs and passwords is

eliminated.

GSO provides a highly secure **solution for** affording users seamless access to the resources they need, no matter where they're located. GSO gives you the capability to coordinate multiple user IDs and **passwords securely** in heterogeneous environments so that users can access files, applications, printers and database servers **anywhere in the enterprise.**





© International Business Machines Corporation 1998

IBM Corporation
3039 Cornwallis Road
Research Triangle Park, NC 27709

Produced in the United States of America
9-98

All Rights Reserved

AIX, AS/400, DB2, Global Sign-On, IBM, OS/2 and OS/400 are trademarks of International Business Machines Corporation in the United States and/or other countries.

Lotus Notes is a trademark of Lotus Development Corporation in the United States and/or other countries.

Tivoli is a trademark of Tivoli Systems Inc. in the United States and/or other countries.

Windows NT is a trademark of Microsoft Corporation.

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

* This paper discusses strategy and plans, which are subject to change because of IBM business and technical judgments.



Printed in the United States on recycled paper containing 10% recovered post-consumer fiber.



G325-3822-01