



# eNetwork Software solution for security and directory integration

*“IBM eNetwork Software security and directory integration solution lets customers spend more time managing their business and not their infrastructure.”\**

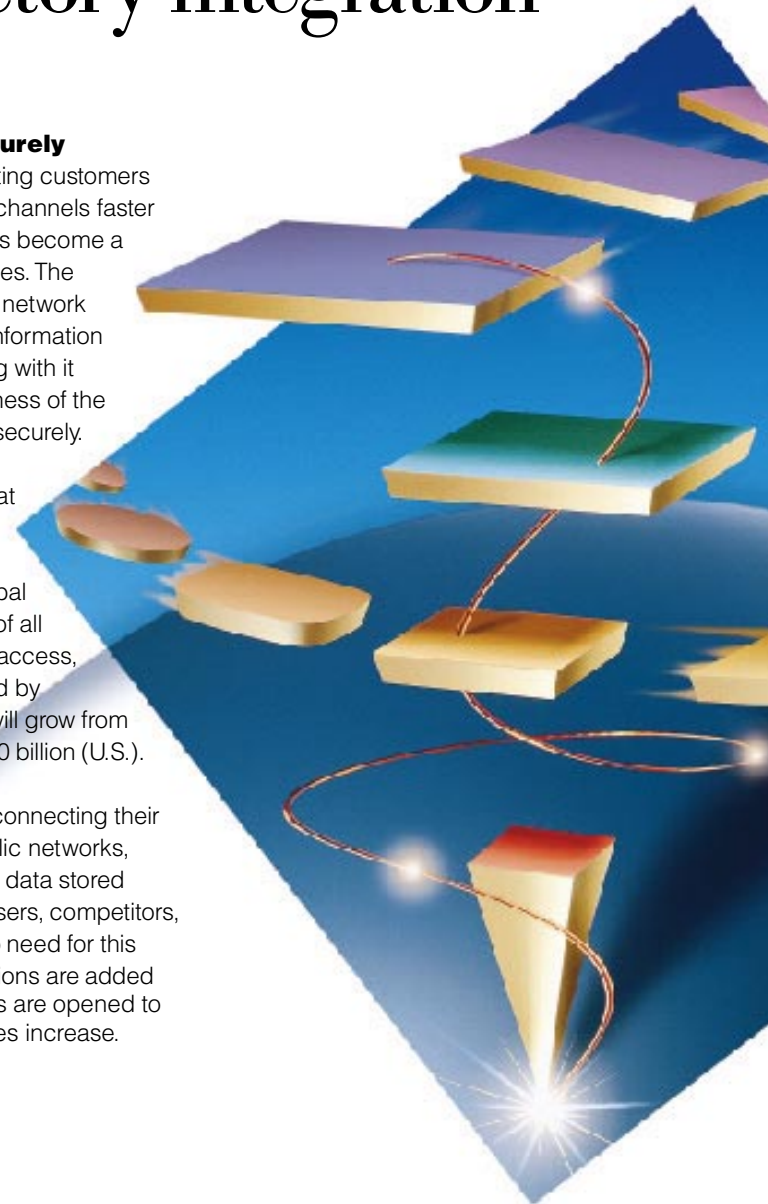
*—Al Zollar  
General manager, eNetwork Software*

## **Doing business securely**

Reaching new and existing customers through many different channels faster than the competition has become a prime drive for enterprises. The Internet has opened up network computing and a new information infrastructure. And, along with it comes an acute awareness of the need to do e-business securely.

Active Media reports that by 2001, the World Wide Web will become the primary channel for global commerce, 92 percent of all business will have Web access, and revenues generated by commercial Web sites will grow from over \$400 million to \$300 billion (U.S.).

Enterprises are rapidly connecting their existing systems to public networks, potentially exposing the data stored there to unauthorized users, competitors, and others who have no need for this information. As applications are added and information systems are opened to users, security exposures increase.



e-business

Security, including cryptography, is key to enabling future network computing. Customers want and need security now. They need protection against calculated fraud and sophisticated espionage.

Security is not simple. Finding a way to fend off threats is a real challenge. In depth security requires a strong, evolving infrastructure that must stay one step ahead of invasive threats.

### **Leveraging the network**

The growing popularity of the Internet, combined with ever-increasing interest in leveraging the power of network computing, is driving companies to focus on what may be the single largest inhibitor to accelerating implementation of their e-business strategies—how to make information available safely.

Whether addressing the needs of an individual or creating a total enterprise solution, the IBM® eNetwork™ Software security and directory integration solution helps customers protect their information assets and resources. This solution allows you to establish and maintain the degree of security you need.

### **Implementing the security solution**

IBM eNetwork Software solutions are built on open industry standards. The eNetwork Software security and directory integration solution is just one integral part of the IBM SecureWay™ solutions for safe e-business. SecureWay pulls together the elements of security solutions, including hardware, software, and services, making one-stop shopping with IBM clearly the right choice for customers' security needs.

IBM offers a comprehensive security solution that is reliable and supports the security needs of the enterprise, including:

- IBM Global Sign-On, software that provides access to multiple systems with a single, secure signon
- IBM eNetwork Firewall (IBM Firewall), an integral part of IBM network protection that combines three firewall architectures
- Virtual Private Network (VPN) technology, a complete set of virtual private network services, also packaged with products, such as IBM Firewall, eNetwork Communications Suite, and eNetwork Communications Server for OS/390™
- Security Dynamics ACE Server, a SecurID token-based authentication server, packaged with IBM Firewall
- IBM Network Security Auditor, an advanced scanning tool to find security weaknesses, packaged with IBM Firewall
- IBM AntiVirus, advanced technology for identifying unknown viruses
- IBM Keyworks, a programming toolkit to enhance productivity when developing applications using encryption or digital certificates
- IBM eNetwork LDAP Directory Server, a highly scalable centralized repository for user information

The eNetwork Software security and directory integration solution protects your investments.

### **Saving time and money**

As you protect your IT resources, you can save your company time and money by making the administration tasks easier using Global Sign-On. These tasks, such as password modification and application setup, allow quick and easy logon and logoff to a user's everyday applications, such as Lotus Notes® and PeopleSoft, with one sign-on. Calls to the help desk for forgotten passwords are reduced.

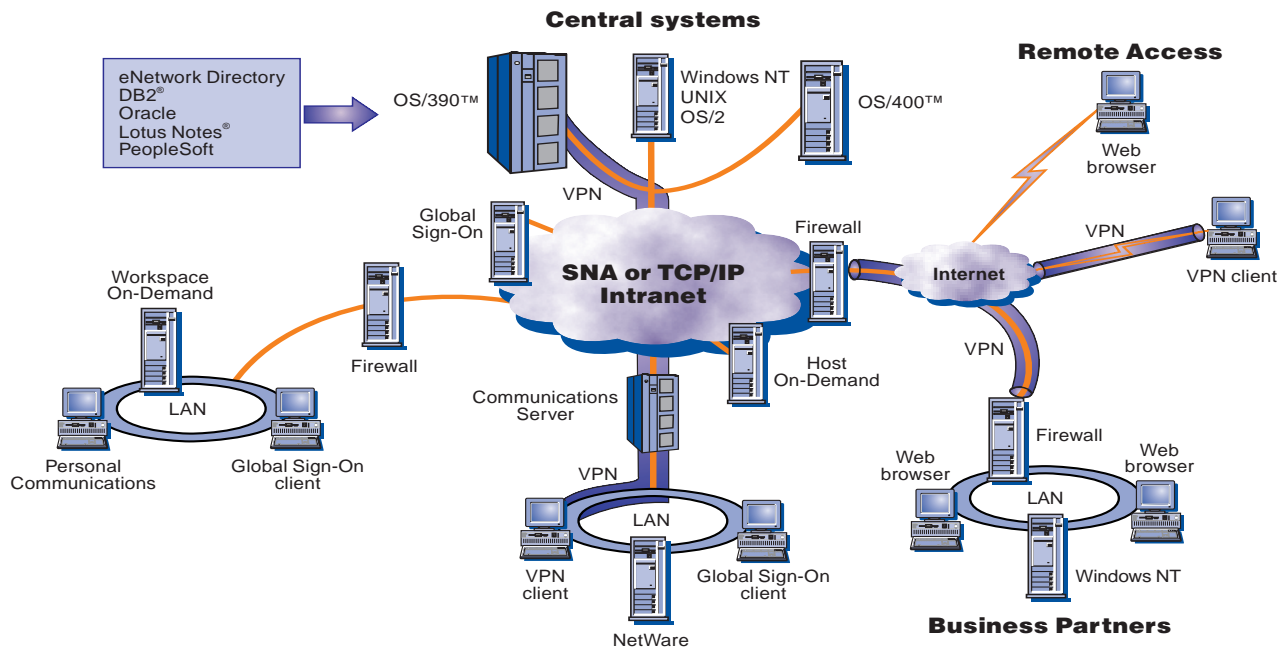
eNetwork LDAP Directory Server is offered at no cost across platforms with IBM servers and software.

IBM VPN, Security Dynamics ACE Server, and Network Security Auditor are packaged with IBM Firewall at no cost.

Companies are striving to limit the number of suppliers they have to interact with. You can address all aspects of your security challenges through one proven security vendor—IBM.

### **Providing a total package plan**

It's about business, not just technology. Customers moving to an e-business model are betting their businesses on the IT infrastructure. These businesses, their customers, and their suppliers all need to be assured that the infrastructure is safe and sound. The variety of choices eNetwork Software offers supports IBM's drive to provide complete, secure network interoperability. IBM helps you assess your current security strengths and vulnerabilities and works with you to develop a custom security architecture for your e-business. IBM assists you in creating a custom security program, a total security plan.



### Protecting your network

IBM offers a proven and flexible method of Internet security, helping you enforce your network security policy, control external connections, and repel attacks from outside your network. With the IBM Firewall, you can use a combination of three leading firewall architectures with one system. The network access control can be done with application proxies, socks circuit-level gateway, or a set of expert filters.

- The application gateway proxy allows you to authenticate all inbound users and permit only a specific set of applications to run over the firewall
- The socks circuit gateway allows authorized internal users to access the Internet through the firewall.
- The expert filters allow you to block specific traffic coming into the network, such as an attack that is masquerading as a valid access.

These methods work together to provide customers with flexibility and optimal security, rather than to expect them to depend on a single firewall method to satisfy their specific security requirements.

### IBM Security Services

IBM Security Services help customers assess and improve security in their computing environments. The services address exposures across operations, including network, systems, applications, policy and management systems, and physical site security. IBM has the unique capability as a security services provider to give customers a choice of individual offerings or a comprehensive security solution.

IBM Security Services help you plan, architect, construct, and operate secure information technology environments. IBM's security specialists have years of experience in helping clients understand and address information technology

challenges and e-business security issues. IBM experts will help you plan, architect, construct, and operate a secure environment for your e-business applications. The experts assess your current security strengths and vulnerabilities and work with you to develop a custom security architecture for your e-business. IBM helps you develop a custom security program that combines many of the following elements of a total security plan:

- IBM Security Assessments and Planning Services
- IBM Security Architecture and Design Services
- IBM Security Implementation Services
- IBM Security Management Services

## For more information

Find out more information about the security and directory integration solution. Visit the eNetwork Software Web site to order an evaluation kit and put our solution to the test, or contact your IBM representative or IBM Business Partner at:

[www.software.ibm.com/enetwork/](http://www.software.ibm.com/enetwork/)



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\* This scenario is a composite based upon typical customer requirements and not intended to represent a specific customer engagement. Individual customers will have different requirements. Contact your IBM representative to discuss your specific needs.



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