Digital Firewall Service

High-end, customized member of Digital's three-tier firewall family combines the secure Internet connection of Digital Firewall for UNIX with custom configuration, consulting, and training

ALPHA™ GENERATION

By combining the powerful 64-bit, RISC Alpha UNIX platforms with our Digital Firewall for UNIX, custom configuration, consulting, and training, we provide you with a customized high-performance, intelligent gateway tailored to your users' Internet services needs while securing your private network from malicious intrusion.

Although the attraction to tie into the information-rich universe of the Internet is compelling, you cannot afford to do so without safeguarding your vital operational information by securing the integrity of your private networks from unauthorized access. Embodying our vast security experience, the Digital Firewall Service gives you flexible and reliable Internet access with the best possible protection that advanced technology and know-how can provide.

Benefits

- Balances the need for high performance and tight security — Programmable firewalls coupled with screened intelligent gateways provide the highest possible levels of protection while allowing users to have controlled access to the Internet's facilities.

- Easily accommodates unique security policies — By combining proven and tested Digital Firewall for UNIX® software with customized consulting, training, and support, we provide you with a comprehensive security solution from a single source.

- Easier firewall administration — By simplifying the base firewall construction and configuration, we've made the systems administration easier via robust auditing and logging, customizable scripts, and host security.

- Ensures proven and reliable security solutions — Unrivaled experience in designing and building secure firewalls ensures a proven and reliable solution.

Minimize your Internet security risk with Digital's firewall family

The Internet is growing at an exponenial rate offering virtually unlimited business opportunities, but these opportunities are not free of risk.

The number one risk associated with the Internet today is security, which can be as diverse and unique as the companies and organizations capitalizing on the Internet opportunity.

The companies connecting to the Internet represent a diverse group with diverse security needs, and a single firewall cannot meet the needs of this group.

In response, Digital offers a three-tiered firewall family that minimizes the Internet security risk and spans the security needs of the Internet's diverse universe of users:

Entry-level

The BorderWare Firewall Server from Border Network Technologies, Inc. is our low-cost, highly secure, single-system firewall and Internet gateway in one. This easy to install and manage PC-based solution is virtually plug-and-play.
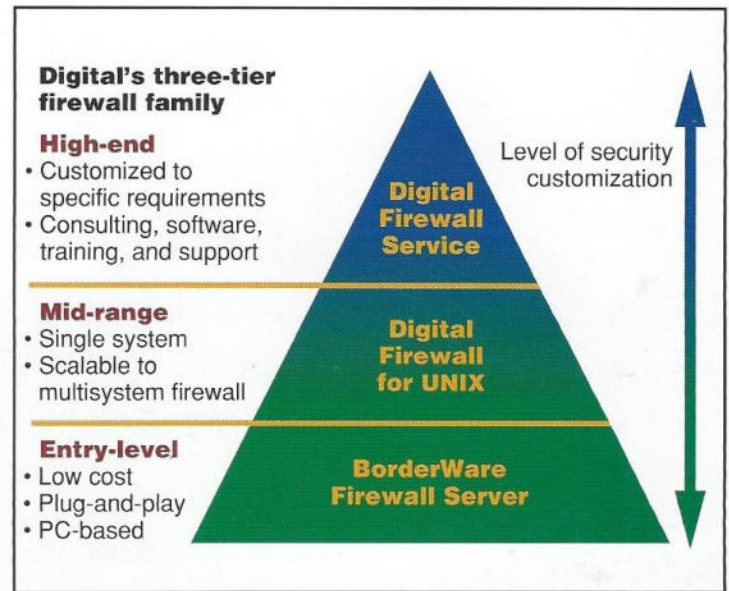
Mid-range

The Digital Firewall for UNIX is a preconfigured, highly secure, single-system firewall that combines packet filtering, trusted application gateways, and comprehensive logging with an easy-to-use GUI. This product is highly scalable to meet future expansion, performance, and security needs.

High-end

The Digital Firewall Service (formerly SEAL) is a multisystem firewall solution that combines our proven and tested Digital Firewall for UNIX software with custom configuration, consulting, and training. This solution is designed to meet the needs of customers requiring custom Internet security and whose firewalls must deliver high performance and continuous availability.

These offerings give Digital the most comprehensive firewall portfolio in the industry, enabling it to accommodate the smallest to the largest enterprise, and the simplest to the most complex security needs.

Digital's three-tier firewall family

High-end
- Customized to specific requirements
- Consulting, software, training, and support

Digital Firewall Service

Mid-range
- Single system
- Scalable to multisystem firewall

Digital Firewall for UNIX

Entry-level
- Low cost
- Plug-and-play
- PC-based

BorderWare Firewall Server

Level of security customization

Since no two companies connecting to the Internet have the same processing and security needs, Digital offers a three-tiered firewall family consisting of three types of firewall systems to meet their specific requirements: (1) the high-end Digital Firewall Service, which addresses high-performance and high-availability demands coupled with custom security policy needs; (2) the mid-level, single-system Digital Firewall for UNIX, which meets current needs but is expandable to a multisystem firewall to accommodate increases in traffic volumes and security complexity; and (3) the entry-level BorderWare Firewall Server from Border Network Technologies, Inc. for a low-cost, highly secure firewall implementation that is virtually plug-and-play.

Digital Firewall Service for iron-clad security and high-end, high-performance needs

Digital can create that security for you. We can provide a high-performance, reliable connection between your private network and the Internet, while delivering unrivaled security solutions by combining expert consulting with customized software, training, and support services. By incorporating programmable or customized firewalls with a screened intelligent gateway, the Digital Firewall Service provides you with controlled access to the Internet while creating the highest possible level of protection against unauthorized entry from the Internet. Further, we tailor the rules of connection to your requirements, for example, by using authorized users or types of applications, to keep the entire security process transparent to your users. We also provide full auditing facilities.

Simplifying firewall administration from the start

We've simplified the base firewall construction and configuration to make system administration easier by incorporating robust auditing and logging, customizable scripts, real-time intrusion detection, and host security.

This proven approach provides access to Internet services in a near-transparent fashion, while at the same time preventing unauthorized access to your private network by external users. All Internet services you wish to provide are hosted on the systems, represented here by the Gatekeeper, outside of the Firewall gateway. These services are also available to your internal users through the gateway. The only inbound connection permitted without authentication is for mail which is processed by a mail forwarder shown here as the Mailgate.

Addressing your unique security policies and procedures

Ideal for organizations requiring multi-host, robust Internet gateways, the custom approach of the Digital Firewall Service accommodates arbitrary security policies along with special performance requirements. Thus, by combining customized consulting, software, training, and support services, Digital can provide you with a comprehensive security solution from a single source.

Delivering proven and reliable security solutions

Our unrivaled experience in designing and building secure firewalls ensures that you will get a proven and reliable security system. Our own firewall has secured Digital's internal network for more than five years, managing such services as Mosaic™ and FTP, and handling almost 2 million mail messages per month. Our security consultants put that experience and know-how to work, by installing this high-performance Digital Firewall Service at more than 180 sites during the last year to safeguard their network security. These sites include numerous large, multinational organizations in manufacturing, telecommunications, aerospace, petrochemical, pharmaceuticals, and higher education, and in government.
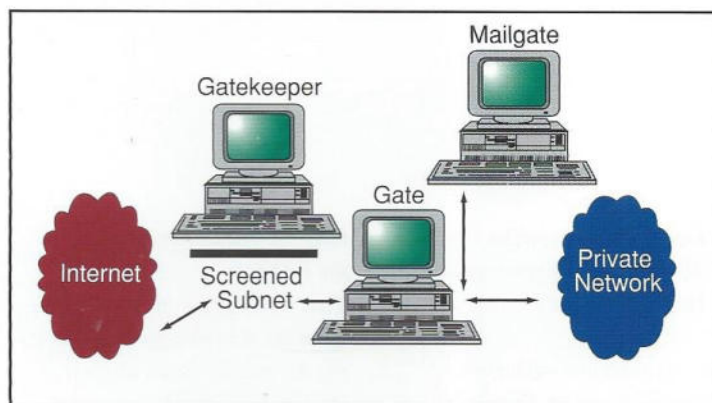
Risky ways of addressing the Internet security issue

Granted there are many ways of connecting to the Internet, but only a few would be acceptable to the prudent MIS manager. The most simple connection, and by far the most dangerous, is to tie in from a single PC or workstation within your organization, providing no control or visibility.

Another common approach uses a router connection between a private network and the Internet. Most of today's routers have some kind of filtering capability, but this filtering generally suffers from lack of flexibility or sophistication to provide effective security.

The sure and proven way to secure your Internet connection

You can establish a more secure and flexible solution by connecting through an intelligent gateway that makes use of prior knowledge or security clearance to determine access privileges. This is the central component of the Digital Firewall Service. The intelligent gateway allows you to control which hosts on your network talk to which hosts on the Internet, and which applications, for example e-mail or FTP, they can use. In addition, full audit logs, indispensable as a way to detect network attack, can be sent back to one of our own systems for safekeeping and analysis.

Although the intelligent gateway provides a high degree of security and flexibility, it is still vulnerable to attack and penetration because it is still connected directly to the Internet. In addition, in order to receive e-mail from Internet users, you still have to disclose vital information on your internal network. Justifiably, many organizations are uneasy about revealing such information.

The Digital Firewall Service solves this problem by hiding or screening the gateway behind a public system to shield it from direct contact. Now all communication with the Internet must pass through the public system, which is the only system that Internet users can see. All the Internet functions are provided through secure software on the public system. For example, this system is given as your official

public address — any mail is automatically passed on to you through this system when it arrives. The public system too is configured with the greatest possible protection against attack and has full audit capabilities.

Relying on unmatched customer support to connect into the Internet

To ensure that your firewall system is always online and available to protect your networks around the clock, Digital offers comprehensive technical and customer support services. Digital and its authorized resellers provide a four-part portfolio of Internet services that address the major phases of integrating the Internet into your operations. These Internet services will help you:
• Determine what the Internet can do for your organization
• Connect to the Internet

- Do business over the Internet
- Manage and operate your Internet server

In conjunction with these Internet services, Digital's authorized business partners provide the specific Internet applications development services that will get you up and running. Here's a brief overview.

What the Internet can do for your organization

This planning segment of the portfolio comprises three distinct services to help you plan and test your entry onto the Net:

- Internet Executive Workshops
- Internet Business Planning Service
- The Internet Business Pilot

Connecting you to the Internet

This design and implementation segment of the portfolio launches your organization onto the Internet in earnest. It consists of six separate steps:

- Internet Technical Assessment
- Internet Security Services
- Internet Network Services
- Internet Server Startup
- Internet Client Startup
- Internet Training

Helping you do business over the Internet

This third segment of Digital's Internet services portfolio delivers the payoff on all of your efforts. It consists of four services designed to maximize your return for your investment into the Internet:

- Web Information Architecture
- Internet Application and Data Integration
- Internet Commerce Services
- Internet Collaboration Services

Helping manage and operate your Internet server

This final segment of the Internet services portfolio comprises four distinct offerings to help you manage your Internet installation to best advantage:

- Web Server Management
- Internet Gateway Management
- Webmaster Services
- Web Server Support

Leveraging Digital's extensive Internet experience

Through our in-depth knowledge of networks and pervasive use of the Internet, we are uniquely able to both develop and offer Internet tools, security systems, and services. To date, Digital has installed more than 180 firewall systems for customers wishing to establish a secure connection to the Internet.

Digital has had an Internet connection for over a decade and we take our Internet security very seriously. The Digital worldwide IP network today consists of some 40,000 TCP/IP nodes, part of a total network of some 80,000 nodes. Digital established the first, and now the largest, commercial World Wide Web server for customer information in October 1993. The Digital Internet connection currently handles some 2 million mail messages and provides approximately 20,000 product and service-related documents to customers per month. In addition, we provide access to more than 300,000 files of public domain software as a free service to Internet users.

Taking the next step for a secure Internet connection

To learn more about Digital's Internet security products, contact your local Digital Authorized Distributor, Reseller, or Digital sales office.

From the Internet, Internet security product information is available on Digital's WWW home page: URL:http://www.digital.com/info/internet.

Send e-mail to: firewall@digital.com. For information by fax in the U.S. and Canada, call 1-800-DIGITAL and select the menu option for InstaFACTS. Outside the U.S. and Canada, call 908-885-6426.