



Software Product Description

PRODUCT NAME: AltaVista Firewall for NT Version 1.1
61.25.01

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DESCRIPTION

AltaVista™ Firewall for NT provides a flexible and secure connection between a private network and the Internet or other insecure public TCP/IP networks. It protects the private network from unauthorized access, while providing controlled access to Internet services to users within the private network. The product is designed for user installation on Alpha and Intel systems running the correct version of Windows NT operating system.

The AltaVista Firewall software combines trusted application gateways comprehensive logging, reporting, real-time alarms, strong authentication, graphical user interface (GUI), and a step-by-step installation wizard all in one software package. AltaVista Firewall for NT works with the AltaVista Tunnel product. Together a Virtual Private Network can be established. AltaVista Firewall for NT can also be set up as a "firewall-within-a-firewall", that is as an intranet firewall.

AltaVista Firewall for NT includes the following major features:

- Trusted application gateways to allow users access to most common services on the Internet, including file transfer (FTP), remote sessions (Telnet), World Wide Web, Mail, News, and finger. The application gateways enforce robust security checks to protect against unauthorized access. The application gateways can be configured to allow controlled access from the internal network to the public network, and also from the public network into the internal network.
- A customizable generic TCP application gateway, which provides secure connects to services that do not use a dedicated application gateway. The generic gateway enables the firewall administrator to set up secure connections from one or many hosts

to one destination host, with each connection limited to a single service.

- Secure Sockets Library (SSL) support included with the World Wide Web Proxy.
- Security that is enforced at several levels. IP forwarding is disabled and continuously monitored by the firewall alarm system. All access through the firewall must be through the trusted application gateways. A system on one side of the firewall cannot access another system on the same side of the firewall via the firewall. the firewall installation removes any unneeded Windows NT services, user accounts, and network components on the firewall system. Customers should also work with the Internet Service Provide (ISP) to properly configure the external router which connects the firewall system to the Internet.
- An installation wizard provides easy step-by-step firewall installation, including DNS configuration.
- A comprehensive graphical user interface through which all configuration administration, and management tasks are performed.
- Support strong authentication, using one-time passwords. FTP and Telnet gateways can be configured to allow access only to authenticated users. The hardware authentication cards must be purchased separately, and are available from Digital Pathways, Incorporated.
- Extensive online help, including context-sensitive help on all screens in the user interface and reference help.
- Color-coded security status warnings, to indicate at a glance whether the firewall is under attack. The firewall status can be checked easily through the user

interface. Four status levels are defined: green, yellow, orange, and red.

- Automatic shutdown of individual services or the whole firewall if the firewall is under continued or repeated attack. AltaVista Firewall for NT can automatically shut down the service or the whole firewall to prevent the firewall being compromised.
- Comprehensive logging of all events related to the operation of the firewall.
- Automatic alarms that alert the system administrator to unusual or potential threatening events relating to the firewall. The alarm system continually monitors the firewall system in real time for any events that are unusual or suspicious, and triggers one or more alarm actions in response. Standard alarm actions include sending mail to the system administrator, raising the security status of the firewall and shutting down individual services or the whole firewall. AltaVista Firewall for NT is installed with a default set of alarms. Users can modify or delete the existing alarms, or create their own, using the user interface.
- Reports, which give a summary of the usage of the firewall and of individual services. The reports can be viewed through the user interface, mailed automatically to a specified distribution list at regular intervals, or both. All reports use information from the system log files. A wide range of summary reports and detailed reports are available.
- AltaVista Firewall software can be used with the AltaVista Tunnel product to create a virtual private network over the Internet and allow encryption and the authentication securely through the AltaVista Firewall.
- The product supports Remote Access Service (RAS) on NT for external connection. This feature is used most often in an environment where Internet connection is via a dial-up line.

AltaVista Firewall for NT is based on technology that has been tried and tested in Digital's own network.

AltaVista Firewall for NT runs on a dedicated hardware system. To maximize the security of the firewall, Digital recommends that there are no user accounts on the system on which AltaVista Firewall for NT is installed, and that no other applications run on the system. The system should also be secure from physical intrusion.

Hardware Requirements

Processors Supported

AltaVista Firewall for NT runs on any Alpha or Intel processor that is capable of running the correct version of the Windows NT operating system. The system must also include a monitor, and must be capable of supporting two network interface cards or adapters.

Other Hardware Required:

The hardware system on which AltaVista Firewall for NT is installed must be capable of supporting two network interfaces. The type of network interface must be supported by the Windows NT operating system.

If the firewall's external connection is through a dial-up connection, a modem card supported by Windows NT can be used in place of one of the network interfaces.

To install AltaVista Firewall for Windows NT, the system must support a CD-ROM reader.

Disk Space Requirements:

Disk space required for installation: 11MB

Disk space required for use: 2GB

These counts refer to the disk space required on the system disk. The sizes are approximate; actual sizes may vary depending on the user's system environment and configuration, and software options.

AltaVista Firewall for NT creates log files as part of its normal operation. For this reason, a minimum of 2 GB of disk space is required to store log files. More space may be required, depending on the configuration of the individual site and the level of usage of the AltaVista Firewall for NT.

Memory Requirements:

AltaVista Firewall for Windows NT requires 32 MB of memory.

For optimum performance, 64 MB of memory is recommended.

Software Requirements

To use AltaVista Firewall for Windows NT you must be running the Windows NT Operating System Version 3.51 or 4.0 Workstation or Server.

Growth Considerations

The minimum hardware/software requirements for any future version of this product may be different from the requirements for the current version.

Distribution Media

This product is available on CD-ROM. The printed documentation of this product can be ordered separately.

Order Information

Software License, Media, Documentation:

Alpha	Intel
QB-55YAA-S*	QB-55YAB-S*

*Insert the following letter as appropriate: B for 50 nodes, C for 200 nodes, D for unlimited nodes.

Software License only:

Alpha or Intel	
50 nodes	QM-55YAA-AB
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Software Product Services

Telephone support (Help Desk) is provided for the AltaVista Firewall for NT under the "Internet Software" Supported Product List (SPL): QR-SMINH-AA.

In addition, consulting services for planning, designing, and implementing a custom security system are also available. For more information, contact your local Digital office.

Software Warranty

Warranty for this software product is provided by Digital with the purchase of this software package.

This product is intended to assist customers in maintaining an appropriately secure systems environment when used in conjunction with customers' vigilant operational security practices. Digital does not guarantee or warrant that the use of this product will provide complete security protection for customers' systems.

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