

Product *brief*

EagleNT 4.0

EagleNT 4.0: The industry's Leading NT-Based Firewall

Raptor Systems' EagleNT 4.0 firewall is an enterprise security product that offers the proven security of application-level proxies, combined with the flexibility and extensibility of packet filtering. EagleNT incorporates the broadest range of security features, including secure tunneling with IPSec, IP spoof checking, a wide selection of strong authentication alternatives, a powerful and flexible management interface, RealAudio and RealVideo support and the industry's only firewall-integrated URL blocker - WebNOT.

Many Fortune 500 companies have come to depend on EagleNT's rock-solid architecture and richness of features. Introduced in early 1996, EagleNT was the first Microsoft NT-based firewall on the market. Today, EagleNT is the only NT-based firewall in its second generation. EagleNT offers tight integration with Windows NT services and authentication capabilities. This integration plus the implementation of high performance, multi-threaded services and a simple management interface make EagleNT the most secure, manageable and flexible solution for your enterprise Internet security needs.

• • • FEATURES • • •

- Microsoft Windows NT 4.0 support, with multi-threaded implementations of Windows NT services
- Reliance on application-level security proxies, with integrated virtual private networking (VPN) and packet filtering capabilities
- Automatic address hiding and suspicious activity monitoring
- Comprehensive logging of all connection attempts
- Support for secure remote management of multiple firewalls
- Network address translation and service redirection capabilities
- Support for in-bound and out-bound transparency on a per-host and per-network basis
- Objectionable site blocking through WebNOT, the industry's only firewall-integrated URL blocker
- IPSec and swiPe virtual private networking capabilities, with choice of DES, triple DES and RC2 (exportable) encryption and integrated packet filtering
- Support for multiple authentication methods, including gateway password, NT Domain, Bellcore S/Key, Security Dynamics ACE/Server, AssureNet Pathways SecureNet Key, CRYPTOCARD, and any TACACS+ or Radius compliant authentication server.
- Built-in protection from SYN flooding and IP spoofing, and port scanning for selected services
- One-time authentication for HTTP (web) connections
- A graphical DNS server implementation that uses separate databases for private and public information
- Secure encrypted client access via EagleMobile and EagleDesk
- Integration with the EagleNetwatch enterprise security monitoring system0
- RealAudio and RealVideo support
- NCSA Certified



RAPTOR

Rock Solid Internet Security

EagleNT was designed with comprehensive security in mind. By default, EagleNT hides all internal system and address information from the outside world, and denies all network connections that are not expressly allowed. Unlike many firewalls, EagleNT protects against application level attacks. These attacks typically occur *inside* the application data stream, and are often undetected by pure packet filtering systems. In contrast to these systems, EagleNT uses secure application proxies to examine the data stream for many services including:

- *FTP put and get*
- *SMTP*
- *Telnet*
- *HTTP and HTTPs*
- *RealAudio*

In addition to secure application proxies, EagleNT uses a unique “best-fit” algorithm for matching access rules to connection attempts. Use of this approach has distinct advantages. It allows administrators to create rules in any order without concern for creating inadvertent security holes. It also assures that only access attempts that meet the exacting requirements of an explicit rule are permitted. All other access attempts are automatically denied, and all attempts – allowed or denied – are logged by the system. EagleNT also provides proactive security defenses by monitoring and logging Suspicious Activity, and automatically tracing the routes taken by all suspicious connections. These defenses give administrators fast access to all information about potential attacks.

Easy Setup and Management

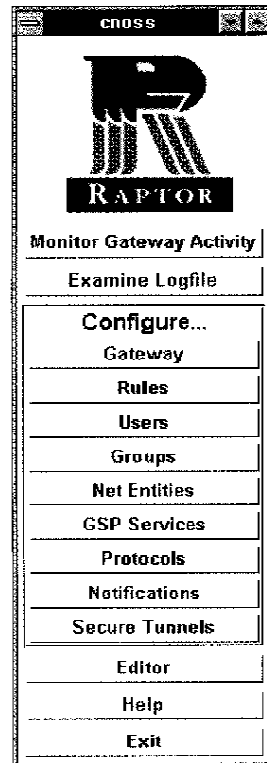
Easy setup and administration is a must for any Internet security application. In this area, EagleNT leads the industry. The product’s Hawk graphical user interface takes the complexity out of security configuration and management. Hawk accomplishes this in two ways: by the clear design of its individual windows, and by providing a consistent management interface for both local and remote firewall administration. This makes it easy to configure a single firewall, or to configure and monitor multiple firewalls from a single location. And since the rules you write with Hawk are not order-dependent, you can add and change rules with minimal risk of misconfiguration.

Collection of detailed log information on all connections in and out of the networks it secures is another of EagleNT’s fundamental strengths. The product’s logging and monitoring capabilities give administrators fast, convenient access to logged information on every connection in and out of the network. Information logged includes session duration, byte counts, intermediate proxy servers, full URLs, user names and authentication methods. Administrators can use this information to generate detailed statistical and session trend reports. And for enhanced visualization of traffic patterns, administrators can use the EagleNetwork enterprise security monitoring tool to convert logged information into powerful 3D models of network activity.

Unsurpassed Flexibility

EagleNT provides administrators with a broad choice of LAN adaptors and network interfaces. Based on industry standard Intel and Dec Alpha servers, EagleNT runs on an unmodified Windows NT 4.0 operating system (both workstation and server) and standard networking interfaces such as Ethernet, Token Ring and Frame Relay.

Widely known for the strength of its architecture, EagleNT also offers administrators unsurpassed flexibility in the development of a security framework. While filtering network connections at both the application and packet layers, administrators can also configure EagleNT to screen all in-bound and out-bound packets prior to processing. Performed on a per-interface basis, this filtering provides an additional layer of security. In addition, administrators can use a new feature called service redirection to give outside users the illusion of access to protected systems. This enables administrators to provide high-levels of access to protected systems, without revealing their



Hawk Management Interface

addresses. And for additional flexibility, only EagleNT supports WebNOT, the industry's first firewall-integrated URL blocker. WebNOT gives administrators the ability to restrict web browsing of non-productive or objectionable material for individuals or groups.

EagleNT is licensed by the number of systems being protected by the EagleNT firewall. Upgrades to user limits are available through issuance of a new license.

The EagleNT Family of Enterprise Security Solutions

Security needs exist at key points within your enterprise: at your network's perimeter, at remote sites, and at LAN segments. The EagleNT family of enterprise security solutions addresses all these needs, centrally managed from the Hawk GUI.

EagleNT Remote

Remote offers all the features of the EagleNT Firewall, managed from the corporate Hawk. EagleNT Remote offers remote locations secure Internet access without the need for local administration. This is ideal for those corporations that need to centralize the management of their Internet/network security policy.

EagleNT LAN

EagleNT LAN is designed to protect internal resources residing on internal subnet LANs. Over 70% of break-ins occur from the inside due to high levels of trust and easy access. EagleNT LAN firewalls are centrally managed by the same EagleNT firewall protecting you from the Internet. They can be deployed throughout your Intranet to completely secure your networks and computer systems.

• • • Product Specifications • • •

<i>Intel Pentium uni-processor platforms running Windows NT Workstation or Server (not running Windows 95 GUI). The user is responsible for compliance with Microsoft's Software Licensing policies.</i>	<i>32MB of RAM 1GB hard disk; 200 MB minimum Swap File Mouse or pointing device CD-ROM drive</i>
<i>Color w/Super VGA, 1024 X 768 resolution, 256 colors</i>	

The EagleNT 4.0 Firewall requires a minimum of two network interface cards. PCI network cards are highly recommended. EagleNT 4.0 currently supports the following network cards:

EISA:	<i>Intel EtherPRO</i>	<i>AMD PCNet 10 *</i>	<i>Olicom 3136 Token Ring</i>
<i>Compaq Netflex-2</i>	<i>Ne2000 Compatible</i>	<i>Asante 10/100 *</i>	<i>SMC EtherPower</i>
ISA:	<i>SMC Ultra Elite</i>	<i>Cogent EM100 10/100 *</i>	<i>Thomas Conrad 4048 Token Ring *</i>
<i>DEC DE305</i>	<i>Allegra 56 Frame Relay</i>	<i>Cogent EM960 *</i>	
<i>3Com 3C509</i>	<i>Eicon DPNA/2 Frame Relay</i>	<i>Compaq NetFlex-3/P</i>	<i>* means this product is supported with a Service Pack 3 or higher</i>
<i>3Com 3C619C Token Ring</i>	PCI	<i>DEC DE450</i>	
<i>Accton EN166</i>	<i>3Com 3C905</i>	<i>DEC DEFPA FDDI *</i>	
<i>IBM 16/4 II Token Ring</i>	<i>3Com 3C339 Token Ring</i>	<i>Intel Pro/100A</i>	Note: <i>Additional interfaces will be available in the future. See your Raptor Authorized Reseller for updates.</i>
<i>Madge Straight Blue Token Ring</i>	<i>3Com 3C590</i>	<i>Intel 100/B</i>	
	<i>3Com 595</i>	<i>MaxTech 32-Bit</i>	

Supported Services

Applications Layer: SMTP, HTTP, Telnet, FTP put and get, and 112 pre-packaged protocols

Data Link: Ethernet, Fast Ethernet, Token Ring, Frame Relay

IPSec VPN Support

Authentication	Encryption
Keyed MD5	DES
HMAC	Triple DES
HMAC MD5	

FOR MORE INFORMATION

For more information on Raptor Systems, contact your Authorized Raptor Reseller. Canadian and US Government Purchasers should refer to the product section of Raptor's website (www.raptor.com) for additional information.

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