Software Announcement
September 15, 1998

IBM eNetwork Firewall Version 3.2.2 for AIX and Windows NT

Overview

With eNetwork™ Firewall Version 3.2.2, IBM continues its worldwide leadership for Internet security offerings. Firewall for AIX® and Firewall for Windows NT® are both provided on a single CD-ROM, allowing you to choose the product that best meets your needs.

New in Firewall Version 3.2.2 for AIX

Firewall V3.2.2 for AIX with DES encryption contains a key recovery service that allows countries worldwide to establish national policies for the recovery of encrypted traffic over the Internet in plaintext.

When countries provide IBM their national key recovery policies, IBM will build a country customization file to be used during the firewall installation process. The basic principle of key recovery is that a key recovery block (KRB) containing the key is sent with the encrypted data. The key itself is encrypted so that the data is not compromised. An authorized agent may then extract the key (with the necessary assistance of designated key recovery agents) from the KRB to decrypt the traffic.

IBM Firewall does not escrow keys to a third party. The keys are always in your control. IBM Firewall does not store encrypted keys or data.

New in Firewall Version 3.2.2 for Windows NT

Network Address Translation (NAT) has been integrated into Firewall V3.2.2 for Windows NT. Previously, it was shipped as a PTF.

With this release of eNetwork Firewall, IBM will make available an eNetwork Firewall Solution Pack. The solution pack contains time-limited or feature-limited products from IBM and its Business Partners that will help customers satisfy their network security functional needs such as intrusion detection, content inspection, Internet monitoring and reporting, load balancing, and IP address management. Initially customers who purchase IBM eNetwork Firewall can download these trial products from the Firewall home page

http://www.software.ibmcom/firewall

using the Solution Pack Access card shipped with eNetwork Firewall. Additional information on non-IBM products and the eNetwork Firewall Solution Pack can be found on this home page.

Reference

Software Announcement 298-103, dated March 31, 1998

Intended Customers

Private and public enterprises that deal in sensitive or proprietary data. Examples of such industries include banking, government, healthcare, and research. Examples of sensitive data include personnel data, credit reports, business financial data, new product development information, and government intelligence.

Key Prerequisites

AIX installations require:

- AIX/6000® V4.3.1 or V4.2.1 Bonus Pack for Java™ Runtime Environment
- The Microsoft™ Accelerator Package for the IPSEC remote client on Windows 95

Windows NT installations require:

- Windows NT Server V4.0 and Windows™ NT Service Pack 3
- Intel Pentium™ 133 MHz machine

At a Glance

Firewall V3.2.2 for AIX and Windows NT extends V3.2 with new features:

- In Firewall for AIX
  - Key recovery enablement
- In Firewall for Windows NT
  - Integrated Network Address Translation (NAT)

For ordering, contact:
Your IBM representative, an IBM Business Partner, or IBM North America Sales Centers at

800-IBM-CALL Reference: YE010

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Availability Date

September 15, 1998

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Description

New Functions in Firewall V3.2.2 for AIX

Key Recovery on AIX IPSec: The firewall incorporates the IBM KeyWorks Toolkit and the IBM Key Recovery Service Provider product, which provides the ability to send a key used for encryption in the key recovery block. The key recovery block (KRB) message could be intercepted by an appropriate enforcement agency in order to decrypt encryption traffic sent from the firewall's IPSec tunnel. Extracting the key from the KRB requires the assistance of designated key recovery agents.

Firewall/GUI Level Support: The Firewall server and Firewall GUI will support only the same level of code. If the levels are different, the GUI will detect the difference and not allow the connection.

New Functions in Firewall V3.2.2 for Windows NT

NAT Support on NT: Previously supported via a PTF, Network Address Translation functions are now fully integrated into Firewall for NT. NT support differs from AIX support in the area of improved logging and mapping of many internal addresses to one public address.

Functions No Longer Supported in Firewall V3.2.2

- Support for SNK has been dropped.
- The AIX LAN client has been removed. This support is incorporated in IBM AIX/6000 V4.3 and higher.

Year 2000

These products are Year 2000 ready. When used in accordance with their associated documentation, they are capable of correctly processing, providing, and/or receiving date data within and between the 20th and 21st centuries, provided all other products (for example, software, hardware, and firmware) used with the products properly exchange accurate date data with them.

The maintenance end date for these Year 2000 ready products is January 31, 2001.

Reference Information

Refer to Software Announcement 298-103, dated March 31, 1998.

Evaluation

Once the products have become generally available, the IBM Firewall for AIX CDMF encryption version and Firewall V3.2 for Windows NT will be available for evaluation at no charge via electronic download from the Internet at:

http://www.software.ibm.com/enetwork/firewall

After 60 days, the functions are automatically disabled.

Those who want to continue to use IBM Firewall after the 60-day evaluation period must order it for a fee.

Trademarks

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Java is a trademark of Sun Microsystems, Inc.

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IBM US Announcement Supplemental Information

September 15, 1998

Education Support

Refer to Software Announcement 298-103, dated March 31, 1998.

Publications

Refer to Software Announcement 298-103, dated March 31, 1998.

Technical Information

Specified Operating Environment

Hardware Requirements

For Firewall on AIX®

- An RS/6000™ including the IBM Power Series Family with the AIX Version 4.2.1 or 4.3 operating system, excluding shared memory multiprocessors.

For Firewall on Windows NT®

- A single-, dual-, or four-processor Intel Pentium™ 133 MHz machine.

Firewall for both AIX and Windows NT requires:

- A minimum of 64 MB of memory.
- Approximately 133 MB of free disk space for the following:
  - 50 MB for the base Firewall, Netscape Navigator, SystemView®, Report Utilities, and AIX or Windows NT patches.
  - 50 MB for log files.

    Depending on how you configure your Firewall, your storage needs for logs will vary. For example, if you record little data in the log file, you might need as little as 1 MB of log storage per day. However, if you implement a full SOCKS Firewall, you could need as much as 30 MB per day for log files. Assuming you want to keep seven days' worth of logs, this is 210 MB disk space for logs.
  - 33 MB for Secure Cryptographic and Certificate Services Toolkit.
- A CD-ROM drive for product installation.
- Peripheral devices:
  - Mouse, trackball, TrackPoint®, and pen.

    Although all functions can be performed with the keyboard, a pointing device is also recommended.
- At least two network adapters, for the IBM Firewall to be effective as a firewall program.
  - The adapters must be supported by the TCP/IP protocol stack.
  - One network adapter connects the secure, internal network that the firewall protects.
  - The other network adapter connects the non-secure, outside network or Internet.
  - Adapters:
    - -- All adapters supported by NDIS, including Token Ring and Ethernet.
    - -- Local Area Network Adapter (AIX only).
    - -- X.25, ATM, FDDI, or S/390® (AIX only).
- IBM modem or Hayes-compatible modem for pager support.
- Supported pager (TAP protocol).
- Communication hardware interface supported by the TCP/IP protocol stack.
- IBM PC or compatible that is supported by the Microsoft™ Windows™ 95 operating system (required for AIX IPSEC remote client only).

Software Requirements

To install and use IBM Firewall Version 3.2.2 for AIX, you must have the following programs installed:

- IBM AIX/6000® Version 4.3.1 or 4.2.1 and AIX 4.2 Bonus Pak.
- Microsoft Windows 95 in support of IPSEC remote client.
- Microsoft ISDN Accelerator Pack (required for IPSEC remote client only). The ISDN Accelerator Pack can be downloaded from:

  http://www.microsoft.com/windows/download/msisdn11.exe
- Netscape Navigator Java™ Browser V3.0 or higher.

To install and use IBM Firewall Version 3.2 for Windows NT, you must have the following programs installed:

- Windows NT Server V4.0
- Windows NT Service Pack 3

The following Microsoft corrective service hotfixes should be installed:

- For ndis_fix, q156655 (required for SMP support)
- For dns_fix, q169461 (required for DNS support)
- simptcp_fix, q154460 (improved security)
- teardrop2_fix, q179129 (improved security)

These fixes should be installed in the listed sequence.

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The English versions of these hotfixes are currently available from Microsoft, Inc.

Some hotfixes may not be available for select language versions of Windows NT V4.0. Availability of hotfixes from Microsoft, Inc. may impact function and security for national language versions of Firewall for Windows NT. Refer to:

http://www.microsoft.com/Support

for additional information on Microsoft hotfixes.

Compatibility: Firewall V3.2 and V3.2.1 are previous releases of V3.2.2. New orders for V3.2 part numbers will be fulfilled with V3.2.2, which includes the key recovery capabilities.

Security Authentication Devices: You can use IBM Firewall V3.2 for AIX and for Windows NT with the following security devices to provide remote authentication of your users:

- Security Dynamics SecurID Card
  - Model SD200
  - PINPAD

Packaging: The IBM Firewall V3.2.2 for AIX and for Windows NT package includes:

- One CD-ROM containing:
  - IBM Firewall product
  - Country customization files
  - Report Utilities
  - Configuration Client
  - English Netscape Navigator for AIX
  - English Netscape Navigator for Windows
  - The following softcopy publications:
    - IBM Firewall for AIX User's Guide in all nine languages
    - IBM Firewall for AIX Reference Guide in all nine languages
    - IBM Firewall for Windows NT User's Guide in all nine languages
    - IBM Firewall for Windows NT Reference Guide in all nine languages
    - Protect and Survive using IBM Firewall for AIX in English
- Firewall Installation Booklet in the appropriate language
- Proof of License
- Program License Agreement
- License Information Booklet
- Registration Card (must be returned for customer contact)
- Solution Pack Access card
- Security Dynamics Ace/Server package including:
  - Two CD-ROMs containing Ace/Server code and product documentation
  - Three diskettes containing:
    - SoftID code for two users
    - License for Ace/Server
    - Seed records for SoftID
  - Quick Start document and registration card
  - Postcard to receive two free key fobs

Security, Auditability, and Control

Refer to Software Announcement 298-103, dated March 31, 1998.

The customer is responsible for evaluation, selection, and implementation of security features, administrative procedures, and appropriate controls in application systems and communication facilities.

Ordering Information

IBM Firewall V3.2.2 for AIX and for Windows NT has one charge unit (install), and is orderable as a program package. These Firewall units are also available at upgrade prices for those customers licensed for IBM Firewall V3.2.2 Entry, Small, or Medium moving to Firewall Small, Medium, or Unlimited. In addition, upgrade prices are available for customers licensed for IBM Firewall V3.1 for AIX, and Internet Connection Secured Network Gateway V2 (ICSNG) or non-IBM Firewalls. For details, refer to Software Announcement 298-103, dated March 31, 1998.

Current V3.2 customers wishing to upgrade to Firewall V3.2.2 should contact Prem Rangwani for more information. Prem may be reached by e-mail at prem@us.ibm.com or by telephone at 919-254-4010.

Firewall V3.2.2 utilizes all part numbers previously announced. For ordering information on the previously announced part numbers, refer to Software Announcement 298-103, dated March 31, 1998.

The previously announced program, feature, and part numbers are:

Program Name	Program Number	Feature Number	Part Number
Firewall V3.2 for AIX and Windows NT, Entry	5801-AAR	7213	04L4962
Firewall V3.2 for AIX and Windows NT, Small	5801-AAR	7214	04L0992
Firewall V3.2 for AIX and Windows NT, Medium	5801-AAR	7215	04L0993
Firewall V3.2 for AIX and Windows NT, Unlimited	5801-AAR	7216	04L0994

Upgrade Protection (Entitled Customers)

Customers who have previously acquired Software Advantage Upgrade Protection, and have not migrated to the Passport Advantage Offering as shown in the table below, will automatically receive their program package shortly after general availability.

Software Advantage
Upgrade Protection Entitlement

Program Name/ Description	Current Part Numbers	New Program Package Part Numbers
Upgrade Protection for:		
Firewall V3.1 for AIX 56-Bit DES & CDMF, Small	84H7740	04L0992
Firewall V3.1 for AIX 56-Bit DES & CDMF, Medium	84H7742	04L0993
Firewall V3.1 for AIX 56-Bit DES & CDMF, Unlimited	33H4303	04L0994

Terms and Conditions

Licensing: IBM International Program License Agreement. Proofs of Entitlement (PoE) are required for all authorized use.

Limited Warranty Applies: Yes

Program Services: Available until January 31, 2001

Money-Back Guarantee: Two-month, money-back guarantee for program packages

Copy and Use on Home/Portable Computer: No

Usage Restriction: Yes

Users of 56-Bit DES Firewall must specify the country (for example, France, U.S.) where the Firewall will be operational. If the country is not specified, the installation will be aborted.

Charges for these programs are based upon the resources that they use or manage. The total number of resources used or being managed may not exceed the number authorized by the applicable Proof of Entitlement. If the total exceeds the quantity in the Proof of Entitlement, customers must notify IBM or their reseller as stated in the IPLA.

Support Line

- Personal Systems
- AIX

Upgrades: Customers may acquire upgrades up to the currently authorized level of use of the qualifying programs.

Volume Orders: Yes. Contact your IBM representative.

Passport Advantage Applies: Yes

AIX/UNIX® Upgrade Protection Applies: No

Entitled Upgrade for Current AIX/UNIX Upgrade Protection Licensees: No

Variable Charges Apply: No

Charges

Charges for the previously announced Firewall V3.2 (now orderable as V3.2.2) are unaffected by this announcement. Refer to Software Announcement 298-103, dated March 31, 1998.

Note: For additional Passport Advantage information, ordering information, and charges, contact your IBM representative or authorized reseller, or go to the URL:

http://www.lotus.com/passportadvantage

Call Now to Order

To order, contact the IBM North America Sales Centers, your local IBM representative, or your IBM Business Partner.

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Note: Shipments will begin after the planned availability date.

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