

McAfee E-Business Server 7.1

Exchange and Store Data Securely

Unprotected data exchanged or stored at a company may reveal confidential information to unauthorized users, internal and external. Businesses need a way to exchange secure data with branch offices, vendors, and business partners to stay competitive and protected.

McAfee® E-Business Server uses PGP encryption technology to protect data everywhere it is accessed by users, allowing full control of who has access to what information. Information and data can now be exchanged securely with automated protection within applications, file transfers, transaction processes, and email, using the strength of PGP encryption.

As with any security implementation, safekeeping your data is only as secure as your weakest link. It is common knowledge that most hacker attacks come from inside the corporation. Therefore, it is imperative that data is encrypted, both when it is transferred electronically and when it is stored, to prevent unauthorized access. McAfee E-Business Server protects data as it is transferred and stored locally, so that only authorized personnel can access it.

Using McAfee E-Business Server allows companies to replace expensive leased lines by transferring data securely and inexpensively over the Internet in an encrypted and compressed format. The encryption standards used by McAfee E-Business Server makes it easy to exchange information with partners and remote offices.

McAfee E-Business Server protects your data

- Automates encryption, compression, digital signing, data integrity, and authentication within applications or batch processes
- Secures data from unauthorized access everywhere it is accessed
- Allows developers to easily implement market-leading data protection in their existing applications, batch processes, and transfers using their choice of language or script (including C, Visual Basic, Perl, and Java)
- Uses simple commands to make securing data with encryption easy, eliminating implementation errors and reducing maintenance

- Provides fast implementation, without gateway or network changes
- Leverages powerful server hardware for high performance encryption

Companies protecting business data with E-Business Server include:

- Banks processing transactions and account information
- Retail partners or Web retailers securing storage, FTP, batch, or realtime transfer of credit card and point-of-sale data
- Healthcare providers facing HIPAA compliance, sharing billing information, patient records, and email over the Internet
- Energy and financial companies implementing regulatory (GISB, Gramm-Leach-Bliley) or partner mandates to protect customer and operating data

“McAfee enables us to expand our business to clients who use the Internet as their means of gathering account information and to perform financial transactions.”—Michael Martin, Client/Server Specialist at Sallie Mae

Extensive Cross-Platform Support

McAfee E-Business Server can protect data from practically any network server including Web server, application server and mainframe platforms. Also, because it supports international PGP standards and protocols as well as X.509 certificates, McAfee E-Business Server interoperates with a wide range of data partners.

Features and Benefits

- Protects customer and business data from unauthorized access in storage, in transit, and during access
- Automates PGP encryption, compression, digital signing, and data integrity and authentication for consistent data security
- Eliminates expensive leased lines with secure Internet with any transport protocol
- Prevents unauthorized data access with end-to-end protection
- Simplifies integrating encryption into applications or batch processes

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- Offers built-in compression (up to 50%) for improved throughput, efficient storage and reduced transfer cost
- Supports all PGP and x.509 certificates for maximum flexibility
- Creates passphrase-protected non-executable archives and self-decrypting archives for partners without encryption
- Supports SmartCards and other PKCS 11 compliant tokens on Windows platforms
- Provides Windows command line support
- Uses Split key secure data recovery
- Includes Wipe utility to irretrievably delete sensitive data
- Protects data without user interaction for consistent security
- Operates by encrypting on one platform and decrypting on another—with broad platform support: OS/390, AIX, HP-UX, Linux, Solaris, or Windows NT/2000

Simplifies Data Protection

Developers can embed encryption services into proprietary or third-party applications using scripts and batch processes with simple commands or native APIs.

Scripts/Languages Supported

Unix Shell Scripts

Perl Scripts

CGI Scripts

Windows Batch Files (command line)

C/C++ Native Support

Optional Native APIs

Visual Basic/COM

Perl

Java

Extensive Certificate Support

E-Business Server supports all PGP and many x.509 certificates, giving users flexibility to exchange information securely with more partners than any other encryption software available. Certificate Authorities supported include Verisign OnSite, Entrust, iPlanet CMS and Windows 2000. X.509 certificate generation allows companies to create in-house Certificate Authorities, freeing them from commercial CAs.

Encryption and Authentication

OpenPGP encryption and authentication features within E-Business Server include:

- Key pair generation
- PGP KeyServer support
- Digital signature support
- Public Key encryption/decryption
- Additional Decryption Key data recovery
- Split Key technology
- Encrypted Data Archives (Self Decrypting, and non-executable)
- Archive Reader for Archive decryption (all EBS platforms)
- Data compression
- SmartCard and token support (Windows NT/2000 only)

Algorithms Supported

Symmetric

- CAST5
- AES 128, 192, 256 bit
- IDEA
- 3DES (triple DES)
- Twofish 256-bits

Asymmetric (Public Key)

- RSA v3 and v4 up to 4096-bits
- DSA
- ElGamal (Diffie Hellman)

Hash

- SHA-1
- MD5
- RIPEMD-160

Platform Requirements

For Windows:

- 32MB RAM
- 6MB disk space

For Unix:

- 32MB RAM
- 9MB disk space

Platforms Supported

- Windows NT/2000 (service pack 4 or later)
- Windows 2000
- Linux x86 Red Hat 6.0 or later
- Debian 2.2 (Potato) or later
- Solaris 2.6 or later
- HP-UX 10.20 or later
- AIX 4.2 or later

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3965 Freedom Circle | Santa Clara, CA 95054 | 888.847.8766 main

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