

McAfee E-Business Server

Encryption solution to protect your confidential information at all times, while stored or in transit

For most businesses, confidential information is a competitive asset—but only if it remains confidential. Government agencies are motivated by other requirements but have the same objective: keeping unauthorized people from accessing sensitive information. McAfee E-Business Server provides organizations with a way to exchange secure data among branch offices, vendors, business partners, and individuals who have a need to know.

Features and Benefits

- Protects customer and business data from unauthorized users throughout its lifecycle: in storage, in transit, and during access
- Automates 128-bit minimum PGP encryption, compression, digital signing, data integrity, and authentication for consistent data security
- Secures files sizes over 4GB
- Conserves bandwidth and improves transfer speed with built-in compression
- Eliminates need for leased lines with secure Internet transfer for any protocol
- Generates, disables, re-enables, revokes keys, and changes trust criteria with “key” management
- Provides non-repudiation using electronic signatures so a sender cannot deny a file was sent
- Provides APIs for easy integration with applications and processes
- Allows encryption on one platform, decryption on another, with broad platform support: Windows, AIX, HP-UX, Linux (SUSE and Redhat), Solaris, and IBM z/OS

As with any security implementation, your data is only as secure as the weakest link. Leaving data unprotected while it's stored or transferred electronically means it's susceptible to unauthorized access by people outside—as well as inside—the organization.

McAfee® E-Business Server provides an easy way to ensure end-to-end protection for securely exchanging confidential information via the Internet. E-Business Server allows automated protection of data as it's exchanged between applications or email systems or during file transfers and other transaction processes.

Industrial-Strength, Automated Encryption

For maximum protection, McAfee E-Business Server uses PGP encryption technology:

- Allows IT administrators and developers to embed encryption, decryption, digital signing, and authentication within applications or batch processes
- Automates data protection without user interaction for consistent security
- Incorporates the industry's strongest encryption algorithms, including Triple-DES CAST, IDEA, Twofish, AES and Blowfish algorithms

Simplified Management, Ease of Use

McAfee E-Business Server is easy to install and manage:

- Uses simple commands to make securing data with encryption easy, eliminating implementation errors and reducing maintenance

- Provides a simplified installation process for setting up multiple servers from a single console, enabling you to get up and running in just a few hours
- Maps into your existing business processes, eliminating the need for additional gateway or network changes

McAfee E-Business Server (EBS) includes a Java-based management console for remote management:

- Enables “key” management and configuration of EBS servers via the network or the web
- Allows you to implement and manage multiple EBS servers from any location through a single console

Efficient, Secure Communications

Unlike traditional methods of communication, which may be expensive and insecure, McAfee E-Business Server makes it easy to exchange information with partners and remote offices:

- Allows you to replace expensive leased lines and instead transfer data securely and inexpensively over the Internet
- Provides support for self-decryption (SDA) and other archives to enable data-sharing with business partners and others who do not have encryption installed
- Supports large files (exceeding 4GB) with built-in compression (up to 50 percent) to conserve bandwidth, reduce transfer costs, and provide efficient use of storage space

Algorithms Supported

Symmetric

- CAST5
- AES 128-, 192-, and 256-bit
- IDEA
- 3DES (Triple-DES)
- Twofish 256-bits
- Blowfish

Asymmetric (Public Key)

- RSA v3 and v4 up to 4,096 bits
- DSA
- ElGamal (Diffie Hellman)

Hash

- SHA-1, SHA-2
- MD5
- RIPEMD-160

Platforms Supported for E-Business Server 8.6

Windows

- Windows 2000 with Service Pack 4 or later
- Windows XP Professional with Service Pack 1 or later
- Windows 2003 with Service Pack 1 or later
- Windows Vista (32/64 bit)
- Windows 2008, Standard, Enterprise, Data Center

Solaris

- Solaris versions 9 and 10

AIX

- AIX 5.1, maintenance level 06 or later
- AIX 5.2, maintenance level 04 or later
- AIX 5.3
- AIX 6.1

HP-UX

- HP-UX 11.0, latest Base Patches
- HP-UX 11.11, - HP-UX 11.23
- HP-UX 11.31

Linux

- Red Hat ES 3.0
- Red Hat AS and ES 4.0
- Red Hat AS and ES 5.0
- SUSE ES 9
- SUSE ES 10

Platforms Supported for E-Business Server 7.5

- For IBM z/OS Mainframe OS
- z/OS 1.6, 1.7, 1.8 and 1.9

E-Business Server APIs

- C, COM, Java and REXX APIs that run on Unix, Linux, Windows and z/OS (only REXX) platforms

Protection for Third-Party Applications

McAfee E-Business Server makes it easy to protect both proprietary and third-party applications that are used to conduct business with partners, customers, and remote offices:

- Allows developers to easily implement market-leading data protection into their existing applications, batch processes, and transfers using their choice of language or scripts
- Supports simple commands or optional native APIs, including C, COM, REXX, and Java, to enable encryption for all data communicated with partners from any back-end system, including customized, in-house applications
- Provides four supporting functions for freeing allocated memory, translating returned error codes, and initializing and cleaning up the API
- Imitates the command line, allowing E-Business Server commands to be called through the API

Extensive Certificate Support

McAfee E-Business Server supports international PGP standards and protocols as well as a list of major certificate authorities:

- Allows you to securely exchange information with more partners than any other encryption solution
- Generates X.509 certificates to allow organizations to create in-house certificate authorities

Mainframe OS Support

E-Business Server supports IBM z/OS, the successor to IBM OS 390 for mainframes:

- Provides the data protection features necessary to protect large-scale e-commerce transactions and data transfers from the z/OS mainframe platform
- Enables data exchange with a wide variety of supported platforms
- Supports batch and JCL, TSO, and USS scripting for z/OS, enabling users to seamlessly integrate existing applications and business processes
- Takes advantage of a new System REXX (SYSREXX) component for z/OS by providing EBS REXX APIs to automate McAfee E-Business Server functions

