SDS E-Business Server®

Datasheet

SDS

DO MORE WITH LESS

Easily Integrate Encryption into Automated Processes

If your organization transmits sensitive or proprietary data to off-site vendors, business partners, or branch offices, SDS E-Business Server delivers the encryption and security tools you need.

E-Business Server is designed for companies that require the highest levels of protection for data stored internally, transmitted within the organization, and distributed beyond its firewalls.

Using PGP encryption technology and versatile APIs, E-Business Server offers strong encryption that integrates with the widest range of applications and platforms.

Simplify Data Protection

▷ From a single console, configure and manage advanced data security on multiple systems.

▷ Secure transmission of data among partners and remote offices.

▷ Add quick, easy encryption to your custom business applications using E-Business Server APIs for C/C++, Java, z/OS batch jobs, and REXX.

▷ Easily embed security into applications or batch processing using mainframe scripting or native APIs.
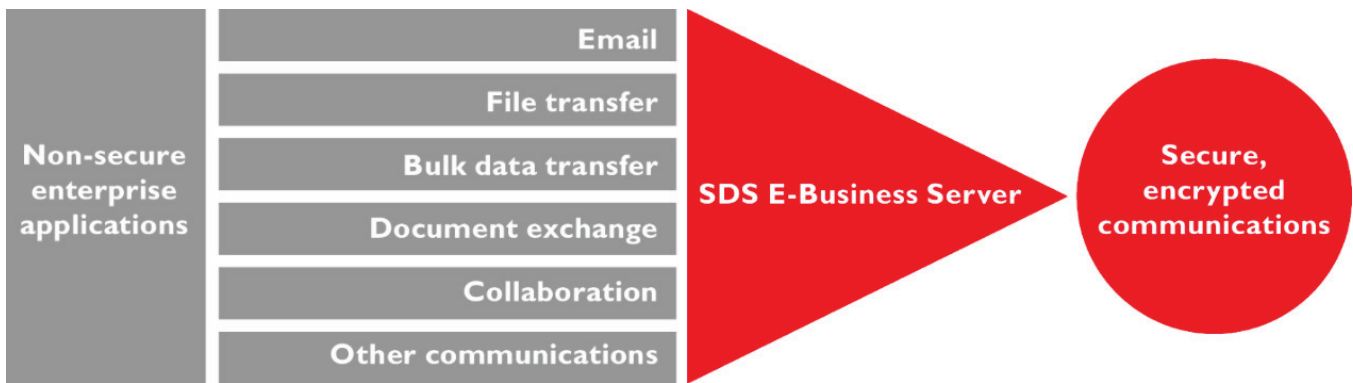
Added Features for Better Management

· Decompression of zLib and zip data for broader compatibility with other OpenPGP implementations

· ISPF interface on z/OS TSO

· 64-bit implementations for Windows, Linux, and Java API

· SHA256, SHA384, and SHA512 hash algorithms for SDA keys

· DSS/DSA signing keys in 2048 and 3072 bits; size of signing and encryption keys separately defined

· EBSMAP program for mapping PGP messages, run from the command line or a Windows graphic interface

Who Should Use E-Business Server?

· Fortune 1,000 corporations

· Government agencies

· Companies that work with remote partners or external consultants

· Organizations that manage large volumes of sensitive data

· Industries governed by stringent auditing and compliance requirements

Encryption • Decryption • Digital Signing • Verification

Key Benefits

Industrial-Strength Encryption

E-Business Server uses PGP strong encryption algorithms, delivering unmatched levels of security and privacy.

Automated, Comprehensive Security

Protect and encrypt a wide variety of data in transit and at rest without user interaction, including email attachments, file transfers, archives, and desktops.

Multi-Platform Encryption

Encrypt data end-to-end among a wide range of environments: IBM z/OS, IBM AIX, HP-UX, Sun Solaris, Windows, Red Hat Linux, and SUSE Linux.

Extensive Certificate Support

E-Business Server supports international PGP standards and protocols and most major certificate authorities. Your data will be accepted as secure and tamperproof.

Embed Encryption into Applications

Developers can easily embed encryption services into proprietary or third-party applications using their preferred programming language or optional native APIs.

Convert Text Files

Automatically convert text files from EBCDIC to ASCII or vice versa for easy integration of IBM z/OS, Unix, and Windows.

Extensive Integration

E-Business Server integrates with:

- C and Java applications
- Scripts on Linux, Unix, Solaris, Windows, z/OS USS
- z/OS JCL, batch processes, and TSO
- z/OS REXX and SYSREXX

Supported Algorithms

- Asymmetric (public key): DSA, ElGamal (Diffie-Hellman), RSA 3 and 4, up to 4,096 bits
- Hash: MD5, RIPEMD-160, SHA-1, SHA-2
- Symmetric: 3DES (Triple-DES), AES 128-, 192-, and 256-bit, Blowfish, CAST5, IDEA, Twofish 256-bit

Supported Platforms

For complete details, see kb.sdsusa.com.

- IBM z/OS and z/OS-USS, all IBM-supported versions
- Microsoft Windows and Windows Server
- Solaris 9 and later
- IBM AIX 5.1 and later
- HP-UX 11+
- Linux Red Hat
- Linux SUSE

About SDS

Founded in 1982, Software Diversified Services™ (SDS) supports over 25 products for z/OS, MVS, VSE, VM, AIX, Linux, and Windows. SDS retains a roster of Fortune 500 clients worldwide and offers award-winning, expert service. With a focus on security, encryption, data compression, and monitoring, SDS has the solution for you. To learn more, please visit our web site.

syspertec group