The Gold-Standard PGP Encryption Tool for Superior Data Security

If you send sensitive or proprietary data to off-site vendors, business partners, or branch offices, SDS E-Business Server delivers the reliable encryption you need to ensure the utmost data security.

SDS E-Business Server provides the highest levels of protection for data stored internally, transmitted within the organization, and distributed beyond the firewalls. E-Business Server automatically protects valuable data in emails, files, applications, and transactions.

You can depend on the secure exchange of confidential information internally or to remote offices and partners.

Helps Meet Data Security Regulations

Today's data security requirements are challenging and complex. E-Business Server protects sensitive data by encrypting it so that only intended recipients can read it.

Using PGP encryption and trusted cryptographic algorithms, E-Business Server helps your company gain compliance to GDPR and other standards.

With dependable encryption, strong signature creation, and reliable authentication, E-Business Server delivers rock-solid security.

Simplifies Data Protection

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

► Securely transmit data among partners and remote offices.

► Add quick, easy encryption to your custom business applications using E-Business Server APIs for C, C++, C#, and Java.

► Easily embed security into applications or batch processing using mainframe scripting or native APIs.

■ **Automated Security**

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

■ **Multi-Platform Encryption**

Encrypt data among many environments: z/OS, AIX, Linux, and Windows.

■ **Embedded Encryption**

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

■ **Automatic Text File Conversion**

Automatically convert text files from EBCDIC to ASCII or vice versa for easy integration of z/OS, AIX, Linux, and Windows.
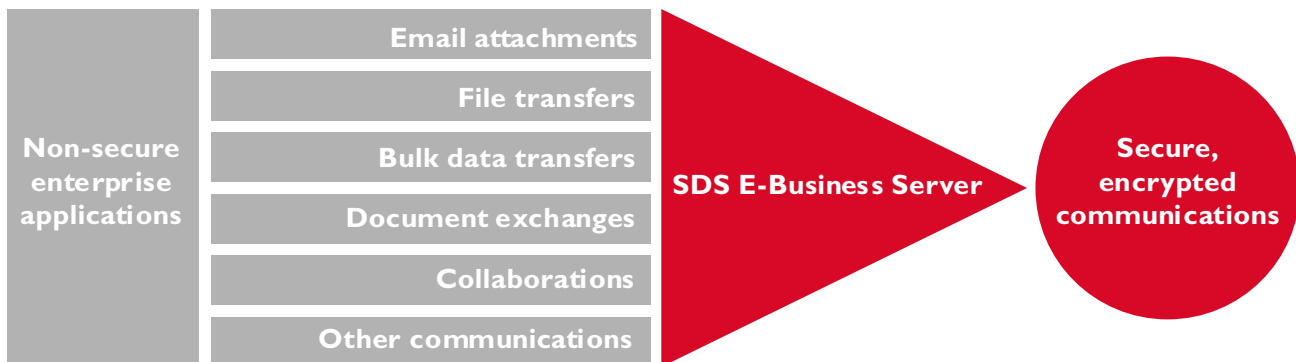
■ **Global Certificate Support**

E-Business Server supports international PGP standards and protocols.

■ **Dependable PGP Encryption**

E-Business Server follows the OpenPGP Standards (RFC-4880, RFC-9580, and others).

Easily Integrate Encryption into Automated Processes

Non-secure enterprise applications	Email attachments
	File transfers
	Bulk data transfers
	Document exchanges
	Collaborations
	Other communications

SDS E-Business Server → **Secure, encrypted communications**

Added Features for Better Management

- Decompression of zLib, zip, and bzip2 data for broader compatibility with other OpenPGP implementations.

- ISPF interface on z/OS TSO.

- 64-bit implementations for Windows, Linux, and AIX.

- SHA224, SHA256, SHA384, SHA512, SHA3256, and SHA3512 hash algorithms.

- 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.

E-Business Server Excels for:

- Fortune 1,000 corporations

- Government agencies and their vendors

- Companies that work with remote partners or external consultants

- Organizations with large volumes of sensitive data

- Industries governed by stringent auditing and compliance requirements

Extensive Integration

E-Business Server integrates with:
- C and Java applications
- Scripts on AIX, Linux, Windows, z/OS USS
- z/OS JCL, batch processes, and TSO
- z/OS REXX and SYSREXX
- IBM Sterling Integrator

Algorithms

- Asymmetric (public key): DSA, ElGamal (Diffie-Hellman), RSA 4 up to 4,096 bits, EdDSA and ECDH using the Ed25519 curve and Curve25519
- Hash: MD5, RIPEMD-160, SHA-1, SHA-2, SHA-3
- Symmetric: 3DES (Triple-DES), AES 128/192/256 bit, Blowfish, Camellia 128/192/256 bit, CAST5, IDEA, Twofish 256-bit
- OpenPGP String-to-Key (S2K): Argon2, Iterated and Salted

Platforms

E-Business Server offers cross-platform encryption:
- IBM z/OS and z/OS USS: all IBM-supported versions
- Microsoft Windows and Windows Server
- IBM AIX
- Linux

Features may vary by platform and version. For details, contact info@sdsusa.com.

For more information about SDS E-Business Server, please visit www.sdsusa.com/ebusiness/.

Quality Mainframe Software Since 1982

Software Diversified Services delivers comprehensive, affordable mainframe and distributed software with a focus on cybersecurity and compliance. Hundreds of organizations worldwide, including many Fortune 500 companies, rely on SDS software. Our expert development and award-winning technical support teams are based in Minneapolis, MN. To learn more, please visit our website.