The Gold-Standard PGP Encryption Tool for Superior Data Security

SDS 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 the firewalls.

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

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.

Dependable encryption, strong signature creation, and reliable authentication deliver rock-solid security.

E-Business Server is also available in a version that utilizes the FIPS 140-2-validated SDS Cryptographic Module. FIPS (Federal Information Processing Standards) validation is often required for software used by federal agencies and their vendors.

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.

Easily Integrate Encryption into Automated Processes

◼ **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.

◼ **FIPS Validation**

E-Business Server is available with an optional FIPS-validated encryption module for 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.
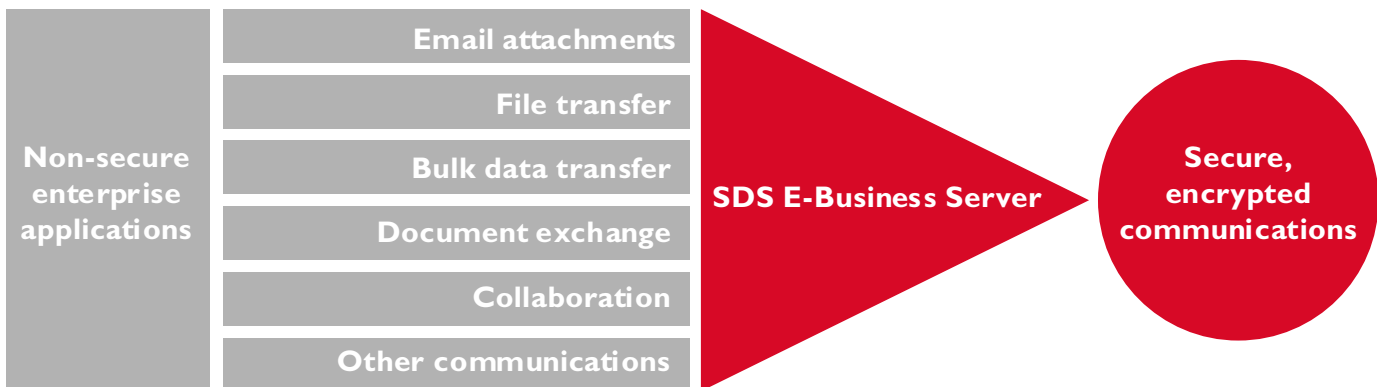
◼ **Automatic Text File Conversion**

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 and others).

Non-secure enterprise applications	Email attachments	SDS E-Business Server	Secure, encrypted communications
	File transfer		
	Bulk data transfer		
	Document exchange		
	Collaboration		
	Other communications		

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 AIX.

- SHA224, SHA256, SHA384, and SHA512 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 or vendors that require FIPS-validated encryption

- 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 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

Platforms

- 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 www.sdsusa.com.