

# SDS E-Business Server

## Easily Integrate Encryption into Automated Processes

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 and security tools you need to ensure the utmost data security.

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

### Helps Meet Data Security Regulations

Today's data security requirements are challenging and complex. E-Business Server helps your company gain compliance to GDPR and other standards with strong signature creation and reliable authentication.

### Simplifies 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++, C#, and Java.
- ▶ Easily embed security into applications or batch processing using mainframe scripting or native APIs.

### Conserves Resources

E-Business Server dramatically reduces file sizes and bandwidth consumption, decreases processing time, and saves disk space.

■ **Industrial-Strength Encryption**  
E-Business Server uses PGP strong encryption algorithms, delivering unmatched levels of security and privacy.

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

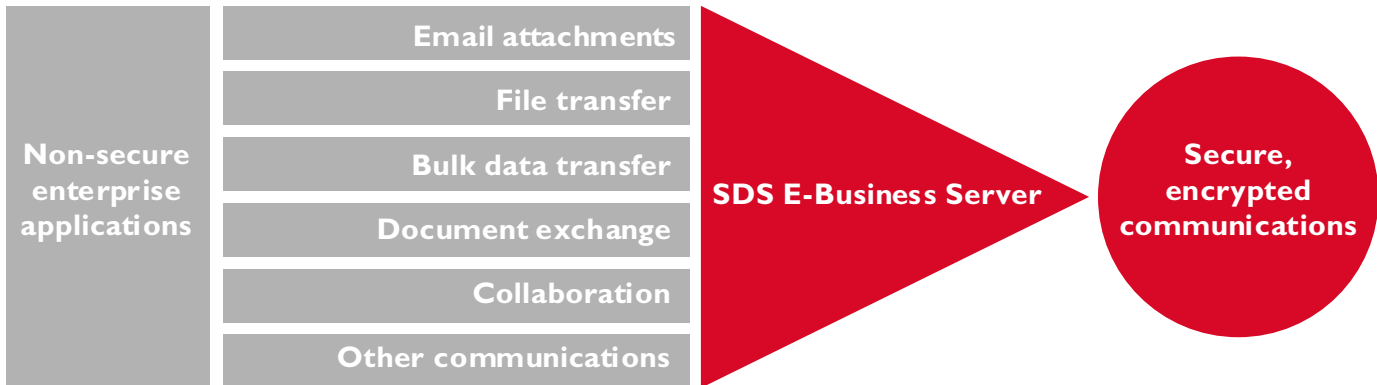
■ **Multi-Platform Encryption**  
Encrypt data among many environments: IBM z/OS, IBM AIX, HP-UX, Sun Solaris, Windows, Red Hat Linux, and SUSE Linux.

■ **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, Unix, Linux, and Windows.

■ **Global Certificate Support**  
E-Business Server supports international PGP standards and protocols.

The Gold-Standard PGP Encryption Tool  
for Superior Data Security



### 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, AIX, and Java API.
- 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
- 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 Linux, Unix, AIX, Solaris, Windows, z/OS USS
- z/OS JCL, batch processes, and TSO
- z/OS REXX and SYSREXX

### Algorithms

- Asymmetric (public key): DSA, ElGamal (Diffie-Hellman), RSA 3 and 4, up to 4,096 bits
- Hash: 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
- Solaris 9 and later
- IBM AIX 5.1 and later
- HP-UX 11+
- Linux Red Hat
- Linux SUSE

For more information about SDS E-Business Server, please visit [www.sdsusa.com/ebusiness/](http://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](http://www.sdsusa.com).

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