# DATA SHEET
# DIPLOMAT® EBUSINESS SOLUTION

## Diplomat® eBusiness Solution Benefits

Full OpenPGP Security

Fast Migration

Fewer Problems/Rapid Resolution

Reduced Business Risk

## OVERVIEW

McAfee® no longer directly supports E-Business Server. If your business relies on McAfee E-Business Server, you should explore the rich features of Diplomat eBusiness Solution to replace your PGP command line scripts and simplify PGP encryption and file transfer.

You can quickly deploy a new OpenPGP command line encryption solution by replacing each PGP command with a Diplomat command, which executes an OpenPGP encryption job with many additional steps built in, such as secure file transfer, file renaming, file archiving, audit trail and email notifications. You can simplify your batch scripts and reduce the complexity of your OpenPGP encryption implementation with a one-to-one command replacement for a seamless transition to a new OpenPGP command line solution.

## FULL OPENPGP SECURITY

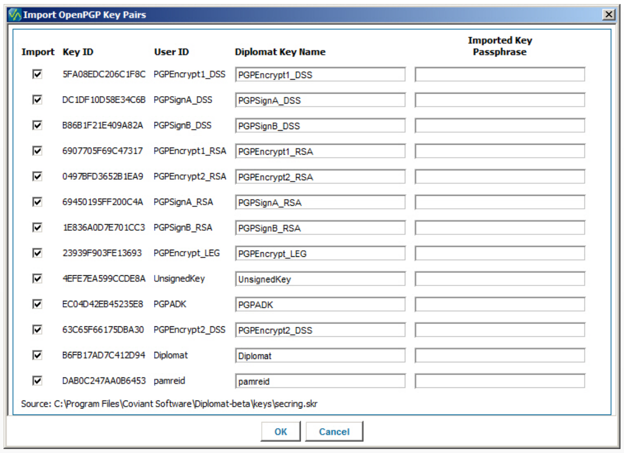
Switching to a Diplomat eBusiness Solution (EBS) requires no software changes for your trading partners. PGP keys imported by Diplomat EBS use the preferred algorithms specified in the signature block of the original PGP key for full compatibility with existing trading partners. And, you can import, create and manage OpenPGP keys from a user-friendly administrator console.

You can import your full private and public key rings or import only the PGP keys you need by selecting your key ring and then checking each key you would like to import. And, since Diplomat EBS manages your OpenPGP keys, you no longer need a PGP configuration file or a “PGP home” location.

When you need new OpenPGP keys, Diplomat EBS creates keys with strengths of up to 4096 bits.  You can specify the expiration dates of master and sub-keys, including multiple encryption sub-keys which are valid for specific periods of time. The more often your encryption sub-keys change the more secure your data will be, since anyone attacking your key must break the currently-valid sub-key.  With multiple encryption sub-keys, your encryption algorithms change on a predefined schedule without reissuing new public keys to your trading partners.

Diplomat eBusiness Solution protects your data by encrypting sensitive data before writing to disk. No sensitive data is stored in registry entries or batch files. Since Diplomat commands only require a Transaction ID, your pass-phrases, passwords and account logins are decrypted and held in memory only while a file encryption job is running.

For additional security, Diplomat EBS supports secure file transfer protocols, such as FTPS, SFTP and HTTP/S, to protect data in transit.



| Import | Key ID | User ID | Diplomat Key Name | Imported Key Passphrase |
|---|---|---|---|---|
| ☑ | 5FA08EDC206C1F8C | PGPEncrypt1_DSS | PGPEncrypt1_DSS | |
| ☑ | DC1DF10D58E34C6B | PGPSignA_DSS | PGPSignA_DSS | |
| ☑ | B86B1F21E409A82A | PGPSignB_DSS | PGPSignB_DSS | |
| ☑ | 6907705F69C47317 | PGPEncrypt1_RSA | PGPEncrypt1_RSA | |
| ☑ | 0497BFD3652B1EA9 | PGPEncrypt2_RSA | PGPEncrypt2_RSA | |
| ☑ | 69450195FF200C4A | PGPSignA_RSA | PGPSignA_RSA | |
| ☑ | 1E836A0D7E701CC3 | PGPSignB_RSA | PGPSignB_RSA | |
| ☑ | 23939F903FE13693 | PGPEncrypt_LEG | PGPEncrypt_LEG | |
| ☑ | 4EFE7EA599CCDE8A | UnsignedKey | UnsignedKey | |
| ☑ | EC04D42EB45235E8 | PGPADK | PGPADK | |
| ☑ | 63C65F66175DBA30 | PGPEncrypt2_DSS | PGPEncrypt2_DSS | |
| ☑ | B6FB17AD7C412D94 | Diplomat | Diplomat | |
| ☑ | DAB0C247AA0B6453 | pamreid | pamreid | |

Source: C:\Program Files\Coviant Software\Diplomat-beta\keys\secring.skr

Import PGP Keys

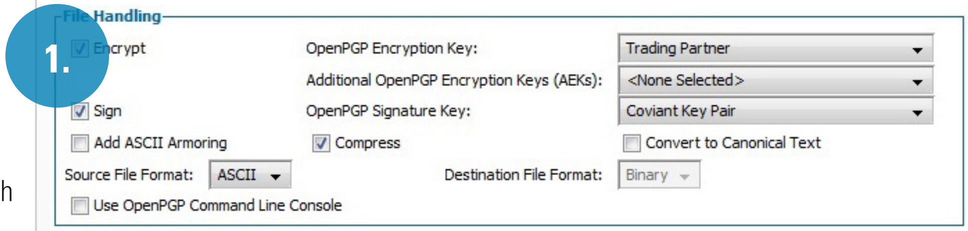
## FAST MIGRATION

Diplomat eBusiness Solution can be installed in one central location as a hub to encrypt or decrypt files anywhere on your network. No need to install Diplomat EBS on every server.

Diplomat eBusiness Solution's intuitive user interface requires no special skills. Rather than entering detailed parameters into each PGP command, you enter parameters into a Diplomat EBS transaction. When you want to execute the transaction, the only parameter needed is the Transaction ID.

Replace a PGP command in three steps...

**1.** Set encryption parameters using checkboxes and fill-in-the-blank fields. Control all aspects of an encryption job, such as encryption or signature key, ASCII armoring or conversion to canonical text.



1.

File Handling

☑ Encrypt

OpenPGP Encryption Key: Trading Partner

Additional OpenPGP Encryption Keys (AEKs): <None Selected>

☑ Sign

OpenPGP Signature Key: Coviant Key Pair

□ Add ASCII Armoring

☑ Compress

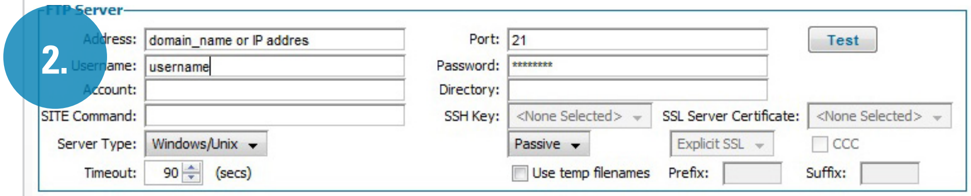
□ Convert to Canonical Text

Source File Format: ASCII

Destination File Format: Binary

□ Use OpenPGP Command Line Console

**Set Encryption Parameters**



2.

FTP Server

Address: domain_name or IP addres

Port: 21

Username: username

Password: ********

Account:

Directory:

SITE Command:

SSH Key: <None Selected>

SSL Server Certificate: <None Selected>

Server Type: Windows/Unix

Passive

Explicit SSL

□ CCC

Timeout: 90 (secs)

□ Use temp filenames

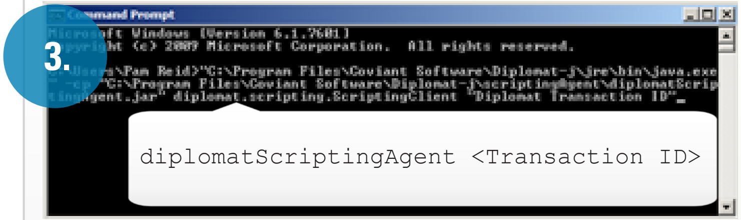
Prefix:

Suffix:

**Set Transfer Parameters**

**2.** Set transfer parameters, such as type of FTP server, address, port and login credentials. You can choose any combination of local network, FTP, FTPS, SFTP, HTTP, HTTPS or email for transport.

**3.** Replace PGP commands using Diplomat commands with a single Transaction ID parameter in your batch scripts. A Diplomat command can encrypt, decrypt and transfers files. Plus, it performs other tasks, such as file archiving, audit trail entries, log entries, email notifications and initiation of other jobs.



3.

Command Prompt

```
Microsoft Windows [Version 6.1.7601]
Copyright (c) 2009 Microsoft Corporation.  All rights reserved.

C:\Users\Pam Reid>"C:\Program Files\Coviant Software\Diplomat-j\jre\bin\java.exe
" -cp "C:\Program Files\Coviant Software\Diplomat-j\scriptingAgent\diplomatScrip
tingAgent.jar" diplomat.scripting.ScriptingClient "Diplomat Transaction ID"_
```

```
diplomatScriptingAgent <Transaction ID>
```

**Replace PGP Commands**

## FEWER PROBLEMS / RAPID RESOLUTION

Successful file encryption jobs rely on your internal network, internet connection and other resources being available. A small problem can cause jobs to fail. But these failures are usually preventable. When an error occurs, like a dropped FTP session or a brief network outage, Diplomat eBusiness Solution automatically attempts to recover and complete the job. Most transient problems are addressed and file encryption jobs succeed without manual intervention.

Unlike most PGP command line jobs, Diplomat eBusiness Solution continues processing files when a decryption or other error prevents a file from being processed successfully. If your trading partner uses the wrong OpenPGP encryption key for a file, the other files in the job are processed and you are notified of the one failure.

When attempting to encrypt and transfer files, unexpected problems often crop up. A file was encrypted with the wrong key. FTP account login credentials are outdated. Files are not ready for pickup. You may have processing deadlines or service level agreements to meet. Diplomat EBS helps ensure these technical problems don't become business problems. Diplomat EBS sends notifications that include the detailed information required to address a problem immediately – without searching through log files.

Diplomat eBusiness Solution offers troubleshooting tools to ensure fast problem diagnosis and resolution. Diplomat eBusiness writes set-up and run-time events to a log file. The built-in log viewer makes it easy to locate and view only the log entries you need to diagnose a problem. And, you can turn on advanced troubleshooting to capture more data, such as temporary files, to pinpoint the source of a problem.

## REDUCED BUSINESS RISK

### REGULATORY COMPLIANCE

Most organizations are required to maintain confidentiality of a variety of data under regulations such as HIPAA, Sarbanes-Oxley and PCI DSS. You must be able to demonstrate that any data transferred outside the company's firewall was secure. The built-in Diplomat audit database puts comprehensive audit data at your fingertips by capturing over 100 data elements for every file encryption job.

User activity tracking is critical to compliance. Diplomat eBusiness Solution makes it easy to know when set-up data has been changed. Diplomat EBS's log file captures comprehensive user activity, such as User ID and IP address, for each update to the Diplomat database. And, each screen displays a timestamp, user ID and user IP address that reflects the last time any data on the screen was modified.

### SECURITY BREACH CONTAINMENT

When you or a trading partner has a security breach, immediate control is critical. You need to stop any file transfers that might be compromised, but unaffected transfers need to continue. With Diplomat EBS, you can easily stop specific transfers from executing. When the security issue is resolved, re-enabling each file encryption job is only one click away.

### APPLICATION RECOVERY

Diplomat eBusiness is designed for both expected and unexpected disruptions in your production environment. When you need to upgrade your production environment, you can create a single-file backup of Diplomat EBS's internal database and restore it on any other system running Diplomat eBusiness Solution. If your production system goes down unexpectedly, you can have a hot standby Diplomat eBusiness Solution ready to run without a disruption in service.

### DATA RECOVERY

As part of a file encryption job, you can archive copies of data files to a central location and, if desired, an additional location. You always have a copy on hand for your own records or to resend to a partner. Archiving to two locations lets you keep one copy accessible to the IT group and another copy for a business group, such as payroll or production.

Archival copies of sensitive files need to be protected. When sending files to a trading partner, you can encrypt files with your own private key pair in addition to your partner's public key in one step. When you use your own key pair as an additional encryption key, you can safely archive encrypted files and decrypt when you need them.

### GROWTH PATH

Built from Diplomat MFT Standard Edition, Diplomat eBusiness Solution is packaged as a full version with unlimited OpenPGP keys or a partner version for organizations with a single trading partner. You can add more OpenPGP keys to the partner version as your needs expand. And, Diplomat EBS can be easily upgraded to Diplomat Managed File Transfer solutions with expanded features.

SC MAGAZINE ★★★★★

5-Star Rating
SC Magazine Encryption-in-Motion Test

## To learn more about Diplomat eBusiness Solution

Call 781.210.3310.

**Start Free Trial »**

Try Diplomat EBS free for 15 days to see how easy it is to use for PGP encryption.

**Request Demo »**

Schedule a live demo on how to replace McAfee EBS with Diplomat eBusiness Solution.

**Try Diplomat Online »**

Try Diplomat Sandbox to set up PGP encryption jobs without downloading and installing trial software.

# TECHNICAL SPECIFICATIONS

## PLATFORM SUPPORT

### Diplomat MFT Server

- Windows 7 (64-bit)
- Windows Server 2008 R2 (64-bit)
- Red Hat Linux (64-bit; x86)

### Diplomat MFT Client

- Windows 7 (64-bit)
- Windows Server 2008 R2 (64-bit)

### Diplomat MFT Web Launch

- Any system supporting Java Runtime Environment (JRE) 1.6.0_04 or higher

### Diplomat MFT Scripting Agent

- Any system supporting Java Runtime Environment (JRE) 1.6.0_04 or higher

## FILE TRANSFER SUPPORT

### FTP

- FTP (RFC 959)
- FTPS (RFC 2228 with Secure FTP Using TLS)
- SFTP (RFC 4253)

### Email

- SMTP (RFC 2821)
- POP3 (RFC 1939)
- IMAP (RFC 3501)

### HTTP/S

- HTTP/S (RFC 2616)

## OPENPGP ENCRYPTION

### Symmetric Algorithms

- AES (up to 256-bit keys)
- Blowfish (up to 448-bit keys)[1]
- CAST5 (RFC2144)
- DES (56-bit keys)[1]
- SHA-512[1], SHA-384[1], SHA-256[1], SHA-24[1], SHA-1
- MD2[1], MD5[1]
- RIPEMD-160[1], RIPEMD-1601

### Asymmetric Algorithms

- RSA (up to 4096-bit keys)
- DSA (1024-bit key only)
- El Gamal (up to 4096-bit keys)
- IDEA (128-bit keys)[1]
- Safer (128-bit keys)[1]\
- Triple DES (56-bit keys)[1]
- Twofish (up to 256-bit keys)[1]

### Interoperability (RFC2440/4880)

- McAfee E-business Server v8.0 - v8.5.2
- PGP Command Line v9.0 - v10.0
- Any other RFC 2440 or RFC 4880 OpenPGP compliant product

[1] Only supports decrypting existing messages encrypted with algorithm or encrypting to existing keys specifying algorithm as preferred cipher.

## ABOUT COVIANT SOFTWARE

Coviant Software has been a trusted provider of OpenPGP encryption, decryption, signing, verification and other OpenPGP features for 10 years. Coviant Software delivers Managed File Transfer solutions to improve the productivity of file transfer administrators. Diplomat Managed File Transfer software uses Intelligent File Transfer™ design with embedded secure file transfer logic, so file transfer experts can quickly design and deploy file transfer jobs with fewer errors and failed transfers.

COVIANT Software

www.coviantsoftware.com