

# PRIME FACTORS, INC.

your key to data security



## Psypher<sup>TM</sup>OPS

### Support for the Open PGP Standard

When the Open PGP Standard or a commercial PGP product is used by the sender or receiver, PsypherOPS may be the logical choice to protect all types of sensitive business transactions files. PsypherOPS consists of two main components: an interactive menu-driven utility to manage a trading partner database of encrypted keys and security options, and a batch component to automatically secure transaction files on a regularly scheduled basis. For files being transferred from one location to another, PsypherOPS provides any combination of four separate options:

#### Data Encryption

PsypherOPS provides confidentiality using one of two strong encryption algorithms: 168-bit Triple DES or 256-bit AES. Psypher OPS can also access existing computer cryptography hardware features for improved performance and maximum security for key management.

#### Message Authentication

PsypherOPS verifies the origin of the transmitted file and its integrity using RSA digital signatures.

#### Data Compression

PsypherOPS saves transmission time and money by compressing data using the popular ZIP compression algorithm described in RFC 1950 & RFC 1951.

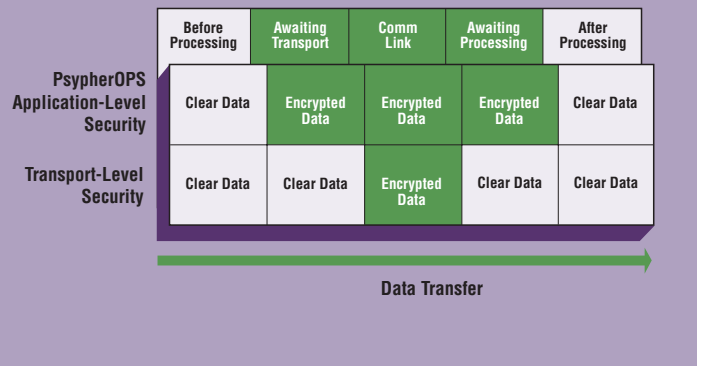
#### Text/Data Control

When necessary, PsypherOPS simplifies communications through multiple Value Added Networks (VANs) using a text-filtering technique called Base64 for binary data.

#### Secure Any File With PsypherOPS

##### Application vs. Transport Level Security

Application level security is a better solution because it protects data at every stage, instead of only during the communications link.



## Tools Designed for the Real World

Key Management and all other processing occurs on the same platform in order to simplify control of your computing environment. Robust password protection of administrative functions and role-based user definitions provide increased flexibility without compromising security. The software includes many ease-of-use features such as the export/import of trading partner definitions, a complete audit log, an optional trace facility, and key check values.

## Psypher Security Suite

PsypherOPS is part of the Psypher Security Suite, which also contains advanced support for other data security needs:

### Psypher<sup>TM</sup>X12

Supports the internal X12.58 security structures that protect X12-formatted business transactions such as 820 payments.

### Psypher<sup>TM</sup>EDIFACT

Supports the internal ISO 9735 security structures that protect EDIFACT-formatted business transactions such as PAYORD.

### Psypher<sup>TM</sup>EDI

Provides a proprietary security envelope for high-volume transaction files of any format, using the same standards-based algorithms used in PsypherX12, PsypherEDIFACT and PsypherOPS.

## Cross Platform Support

Like all Prime Factors products, PsypherOPS is available for mainframes, AS/400s, HP9000s, Suns, RS/6000s, and PCs running Windows or Linux. To arrange a 30-day trial at no charge, visit our website at [www.primefactors.com](http://www.primefactors.com).

## General Security Options

General security options can be set for each trading partner.

```
----- Psypher Security Suite - PsypherOPS Security Options -----
Command ==>

Company/Dept Name .....: MyPGP

Partner Active? (Y/N) ==> Y
Comment =>

FILE SECURING OPTIONS:

Message Format Version (3=RFC1991, 4=RFC2440) ==> 4
Digital Signature Algorithm (S-RSA, N-None) ==> S
Encryption Algorithm (T-Triple DES, A-AES, N-None) ==> N
Filtering (B-Base64, N-None) ==> N

Press ENTER to Save Changes.
Press END to Cancel Changes and Return to Previous Display.
```

## Audit Log

The audit log shows all security-related activity, not just the errors.

```
----- Psypher Security Suite - Audit Log --- Row 7 to 24 of 24
Command ==>

Press ENTER to Return or Enter COPY (F11) Command to Copy Display to a File.

2004/01/02 06:53:14 INF409 (GARY) Party Relationship Added/Changed for:
2004/01/02 06:53:14 YOURPGP
2004/01/02 06:58:06 INF424 (GARY) Partner Deleted: ID: YOURPGP SecID: YOURPGP,
2004/01/02 06:58:06 Records Changed: 1
2004/01/02 08:00:22 INF409 (GARY) Party Relationship Added/Changed for:
2004/01/02 08:00:22 YOURPGP
2004/01/02 08:00:30 INF409 (GARY) Party Relationship Added/Changed for:
2004/01/02 08:00:30 YOURPGP
2004/01/02 08:02:16 INF410 (GARY) Key Status Change: Partner ID: MYPGP, Key
2004/01/02 08:02:16 ID: MY.CA, Usage: CERT AUTH, Status: CURRENT,
2004/01/02 08:02:16 Effective: 200401020000, Key Check: 375552,
2004/01/02 08:02:16 Automatic status change
2004/01/02 08:02:17 INF402 (GARY) Data key set. Partner ID: MYPGP, Key ID:
2004/01/02 08:02:17 MY.CA, Usage: CERT AUTH, Status: CURRENT,
2004/01/02 08:02:17 Effective: 200401020000, Key Check: 375552, Key
2004/01/02 08:02:17 stored
2004/01/02 08:25:36 INF424 (GARY) Partner Deleted: ID: YOURPGP SecID: YOURPGP,
2004/01/02 08:25:36 Records Changed: 1
***** Bottom of data *****
```

Download  
**Psypher<sup>TM</sup>OPS**  
for a **30 day**  
**free**  
**trial.**



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