

# Prime Factors Psypher Security Suite

## Psypher Security Suite gives you the RIGHT security for popular e-commerce protocols

The growth in B2B (business to business) electronic commerce has fueled the need for a better way to secure sensitive data. Prime Factors offers a suite of software products that gives you ultimate protection of transactions within your business community.

The Psypher Security Suite (PSS) significantly reduces your risk of a security leak by implementing application level security for all popular e-commerce protocols. PSS includes modules that secure the following file transfers: OpenPGP, X12 and EDIFACT. A fourth module uses Prime Factor's own protocol to secure transactions in a closed trading community.

### Comprehensive hub-spoke security

PSS was designed to provide the optimum level of security for open or closed trading communities. Often large companies act as a business hub and their trading partners are the spokes. PSS simplifies administration of security within such a community.

Prime Factors helps manage the trading community by providing: 1) installation assistance, 2) on-going support and 3) product distribution for any number of trading partners in your community.

### The RIGHT security for the OpenPGP protocol

PsypherOPS uses the OpenPGP standard, as specified in RFC 2440, to secure any file transmitted between locations. PsypherOPS is compatible with OpenPGP products and supports native zOS environments on IBM mainframes as well as other platforms.

### The RIGHT security for any file transfer

PsypherEDI is used by the sender and receiver to secure any type of data transmitted between locations. It is typically used to provide security for closed trading communities that are made up of a large company as the hub, and trading partners as the spokes. PsypherEDI supports field-level encryption so you may selectively and efficiently secure sensitive fields in your files, thus reducing encryption time. PsypherEDI transfers a range of file sizes, including large files over 4GB, and translates between EBCDIC on mainframes and ASCII on other computers.



*Psypher Security Suite provides the optimum level of security  
for your trading partner community.*





## The RIGHT security for the EDIFACT protocol

PsypherEDIFACT secures business transactions based on ISO 9735 EDIFACT standards used worldwide. PsypherEDIFACT protects transactions such as PAYORD and AUTACK by adding the necessary security syntax.

## The RIGHT security for the X12 protocol

PsypherX12 secures business transactions based on X12.58 standards used throughout North America, predominantly by the finance, healthcare and insurance industries. PsypherX12 protects transactions such as 820 payments by adding the necessary security syntax.

## The RIGHT protection with application level security

By securing your data at the application level, PSS protects vital data more comprehensively than transport level security, such as SSL or FTP. Application level security ensures that data transferred from point A to point B is secure from the time it is encrypted until the time it is used or processed.

## The RIGHT algorithmst

PSS supports strong, industry-accepted algorithms that ensure your e-commerce transactions are always secure. It gives you a wide range of capabilities to protect and authenticate data, including Triple DES (112 bits), AES (128, 192, 256 bits), Blowfish (160 bits), CAST (128 bits) and X9.71 HMAC. PSS supports public key cryptography, which strengthens key exchange.

## The RIGHT key management

PSS supports key exchange formats in accordance with the specified standards for each protocol. An interactive key management program accepts the entry of encryption and authentication keys using up to three separate components, and stores them in a highly secure format.

## The Best Technical Support

When you have questions, we're always here. Whether you need help with product installation, implementation or use, our support staff has the knowledge and expertise to assist you.

## Support for Multiple Operating Systems

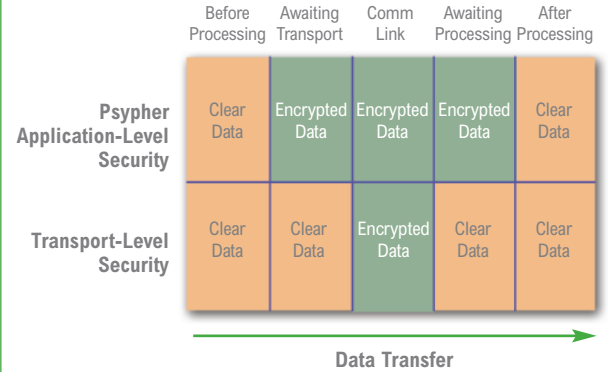
PSS is cross-platform compatible, giving you flexibility to deploy on a wide range of large computers and PCs. PSS is well suited for companies with mainframe business applications who need to interact with PCs or AS/400s. PSS runs on Windows, Solaris, HP-UX, AIX, Linux, zOS and OS/400.

## Other Security Products

Prime Factors' product offering includes the Bank Card Security System (BCSS) and the STK Toolkit. BCSS provides proven, cost-effective functionality that is essential to your card processing operation. The STK Toolkit gives you flexibility to implement strong security in your own custom applications.

## 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.**



## About Prime Factors

Prime Factors provides products and personalized support you need to do security the right way. Our software reflects the knowledge and experience gained since our inception in 1981, and provides a wide range of protection from securing data at the application level to encrypting and authenticating fields in a database.

More than 1,000 banks, corporations and government organizations use Prime Factors' software to guard sensitive information from internal and external threat. A knowledgeable, friendly support team proactively works with you to help you achieve your security goals.

## Free 30-Day Trial

Download a fully functional test version of the Psypher Security Suite at [www.PrimeFactors.com](http://www.PrimeFactors.com). During your 30-day free trial, experience personalized support that separates Prime Factors from the competition.



**PRIME FACTORS, INC.**

Your Trusted Source for Data Security

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