

Intelligent File Encryption that Boosts Security and Business Productivity. To achieve optimal security of sensitive information, organizations need intelligence—to selectively secure specific pieces of information, to efficiently govern how, when, and where protection is employed, and to optimally secure this information against the broadest range of threats.



## Benefits

- Streamline administration and compliance efforts
- Scale cost effectively
- Gain long term security of sensitive data in servers and laptops
- Encrypt at the file and folder level
- Data protection is seamless and transparent to end users

With ProtectFile, organizations can enforce centralized policies for protecting unstructured data and files—both at the individual file and folder level in file servers, laptops and PCs.

ProtectFile enables the encryption of files such as legal contracts, employee records, financial reports, and medical records. Further, ProtectFile is managed through DataSecure, a platform that can be used to centrally manage all enterprise encryption keys and policies, which optimizes security and offers dramatic gains in administrative efficiency. With ProtectFile, encryption is seamless and transparent to end users, so organizations can simultaneously boost security and business productivity.

## Intelligent Integration

ProtectFile is the file encryption alternative that offers the highest level of flexibility and efficiency—helping ensure an optimal deployment that is tailored to an organization's specific infrastructure, business processes, and security objectives. ProtectFile offers these capabilities and features:

- Flexible implementation. ProtectFile can be deployed on laptops and PCs, as well as across shared file servers.
- Efficient deployment. ProtectFile offers remote silent installation and a scripting interface that enable fast and cost-effective deployment in any size environment. ProtectFile's remote installation automatically sets client configurations based on admin defined security policies.
- Transparent to users. Encryption is seamless and transparent, so there is no disruption to business operations, performance, or the end user experience. Once a user has been successfully authenticated, ProtectFile is initiated automatically, making the solution completely transparent.

## Intelligent Administration

ProtectFile is deployed in tandem with the DataSecure platform, offering an unparalleled combination of broad coverage, robust security, and scalability. Managed through DataSecure, ProtectFile can be part of a complete, enterprise wide deployment that is used to encrypt all sensitive information. DataSecure is available with these products:

- ProtectFile—enabling seamless encryption of unstructured data, such as Word documents, Excel spreadsheets, and other files, both at the file and folder level
- ProtectDB—offering encryption of structured data at the database layer
- ProtectApp—delivering capabilities for encrypting structured data at the Web and application tier, including mainframe applications

ProtectFile, ProtectDB, and ProtectApp are all managed through the DataSecure management console, which means security teams can perform enterprise-wide management of policies, encryption, and keys—all from a single, centralized interface.

# ProtectFile Architecture

Endpoint Protection with Centralized Key & Policy Management

## ProtectFile Server

- Granular folder- and file-level encryption
- Client users use native Windows Access control
- Key and policy management on DataSecure for end user transparency



## ProtectFile

- Granular folder- and file-level encryption
- Independent, password-based user access control
- Key and policy management on DataSecure for end user transparency
- Encrypted files stored locally or on shared file servers

## DataSecure Platform

- Centralized key and policy management
- Comprehensive logging and reporting
- Enterprise scalability and redundancy
- FIPS and CC certified

## Intelligent Security

ProtectFile features a host of capabilities that ensure the ultimate protection of sensitive information held in files:

- Data-centric, ubiquitous protection. As opposed to systems that secure a perimeter or device, ProtectFile secures the data itself, ensuring that sensitive information is protected throughout its entire life cycle—from inception or the point of capture, through to endpoints and storage.
- Granular authorization policies. ProtectFile enables administrators to quickly and easily define granular authorization policies for users and groups.
- Robust encryption and authorization. Cryptographically-enforced user and group permission-based access ensures that only properly authenticated users have access to confidential data.
- Separation of duties. With ProtectFile, security architects can establish policies for enforcing dual control over the creation, modification, rotation, and deletion of keys, which is essential to ensuring the highest levels of security and compliance with Payment Card Industry (PCI) standards.

## SafeNet ProtectFile—Typical Enterprise Deployment

With DataSecure's centralized auditing and logging capabilities, security teams can achieve greater control and visibility, efficiently monitoring attempted access and changes to keys, users, and authorization policies. By having all monitoring and logging of data access and key usage, the process of furnishing compliance reports becomes far more efficient, and less susceptible to errors associated with manual data aggregation and report generation.

## SafeNet Data Protection

SafeNet ProtectFile is a key component of SafeNet's comprehensive data protection solution to reduce the cost and complexity of regulatory compliance, data privacy, and information risk management. SafeNet's integrated suite of Data Protection solutions secures data across the connected enterprise, from core to edge, at rest, in transit, and in use. Unlike disparate, multi-vendor point solutions that can create limited "islands" of security, SafeNet Data Protection provides an integrated security platform with centralized policy management and reporting for seamless, cost-effective management of encrypted data across databases, applications, networks, and endpoint devices. For more information, visit [www.safenet-inc.com/EDP](http://www.safenet-inc.com/EDP).

## Technical Specifications

### File and Folder Encryption

- Hard drives of local and remote servers, network drives, workstations, and laptops
- File servers (Microsoft and Novell, Netware, UNIX [Samba], more)

### Encryption Algorithms

- AES-128 and AES-256

### Supported Platforms

- Windows and Linux

### Interoperability

- Microsoft Windows Terminal Server, Offline Folder Synchronization, DFS (Distributed File System), Global Catalog, and Novell

### Software Management Tool Support

- RIS, SMS, Tivoli, TNG, Active Directory, and more



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