thalescpl.com

THALES

SafeNet ProtectFile

File system-level encryption

Today, perimeter-based security defenses cannot adequately secure the growing volume of sensitive data residing on servers in physical, virtualized, and public cloud storage environments. To be completely protected, organizations must employ a solution that attaches security to the data itself.

SafeNet ProtectFile provides transparent and automated file system-level encryption of server data at rest in the distributed enterprise. This includes data-centric protection of Direct Attached Storage (DAS), Storage Area Network (SAN), and Network Attached Storage (NAS) servers using CIFS/NFS file sharing protocols.

SafeNet ProtectFile also features granular access controls, centralized policy and key management, and comprehensive auditing capabilities. Once deployed, files containing sensitive data are rendered useless in the event of a breach, misuse or hijacking of privileged accounts, physical theft of servers, and other potential threats.

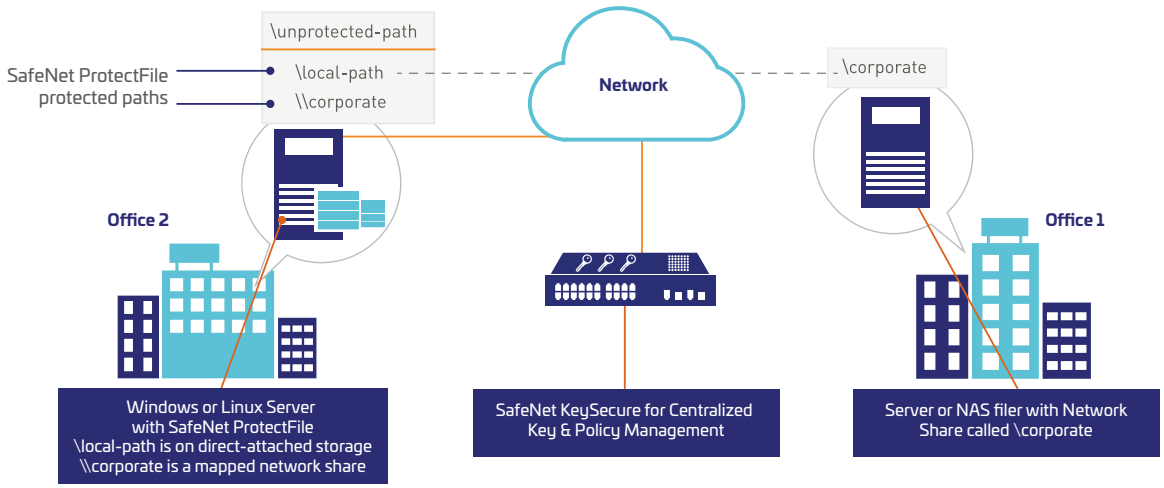
Secure sensitive server data at rest in the distributed enterprise

SafeNet ProtectFile is deployed in tandem with SafeNet KeySecure, a FIPS 140-2 up to Level 3 enterprise key manager, for centralized key and policy management across multiple sites. The solution encrypts sensitive data on servers, such as credit card numbers, personal information, logs, passwords, and more in a broad range of files, including word processing documents, images, database files, archives, and backups.

Once deployed and initiated on a server, SafeNet ProtectFile transparently encrypts and decrypts data in local and mapped network folders at the file-system level based on policies – without disruption to business operations, application performance, or end-user experience.

Segregate sensitive data on shared servers

In shared server environments, different departments and work groups may store sensitive data to the same server. With SafeNet ProtectFile and SafeNet KeySecure, administrators can easily isolate data by department on a server, and set policies to allow users to access segregated data only when they hold the proper encryption key.



Highlights

Transparent, Strong, and Efficient Encryption

- Apply transparent and automated file system-level encryption in physical, virtual, and cloud environments
- Define and enforce granular access control policies

Privileged User Control

- Prevent rogue root administrators from impersonating other users and accessing protected data

Secure Data Archival and Destruction

- Keep data encrypted and unreadable to server administrators performing back-up and restore tasks
- Ensure all secured, sensitive data is rendered unreadable in the event data destruction is required

Easy Implementation and Management

- Utilize remote, silent automation tools for quick and easy deployment in large and small environments
- Streamline administration with centralized policy and key management in FIPS certified hardware
- Built-in, automated key rotation
- Set up encryption in the cloud more quickly with automated Chef recipes

Achieve Compliance

- Ensure separation of duties
- Track and audit user access to protected data and keys

Multi-language Support

- Encrypt files and folders written in Arabic, Japanese, Korean and other languages. Encryption and collaboration aren't mutually exclusive across geographies.

Enable strong separation of duties

The ability to separate duties based on business-need-to-know is fundamental to security best practices, and ensures regulatory compliance, while protecting sensitive data against internal threats. SafeNet ProtectFile and SafeNet KeySecure enable the implementation of granular access controls that decouple administrative duties from data and encryption key access. For example, server administrators can access files and folders containing sensitive data to perform physical infrastructure management tasks, such as the back-up and archiving of data, but they will not be able to access or view the data.

Technical specifications

File-system Level Encryption

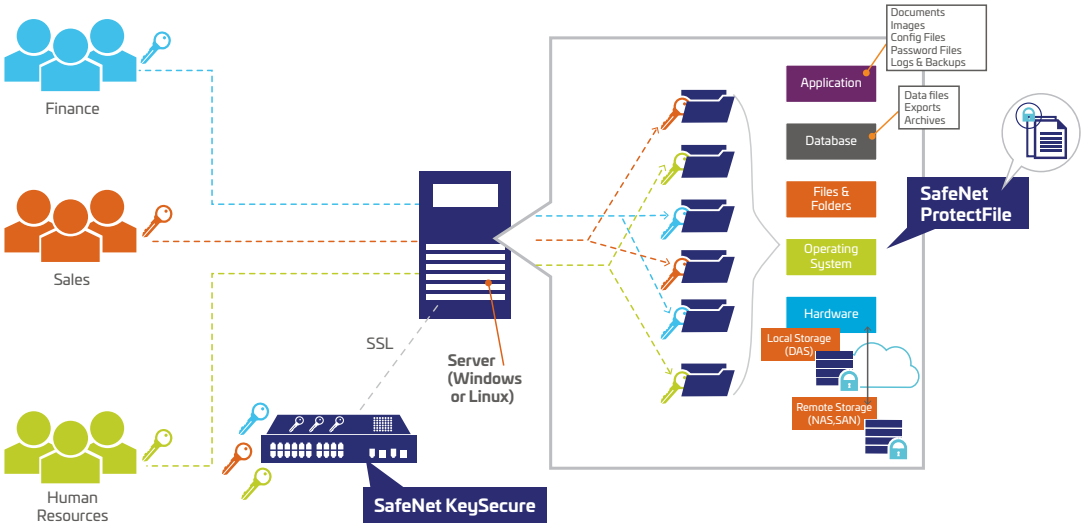
- Servers: A file server, web server, application server, database server, or other machine running compatible software
- Network Shares: SMB/CIFS, NFS
- Remote silent installation for easy deployment in any size environment

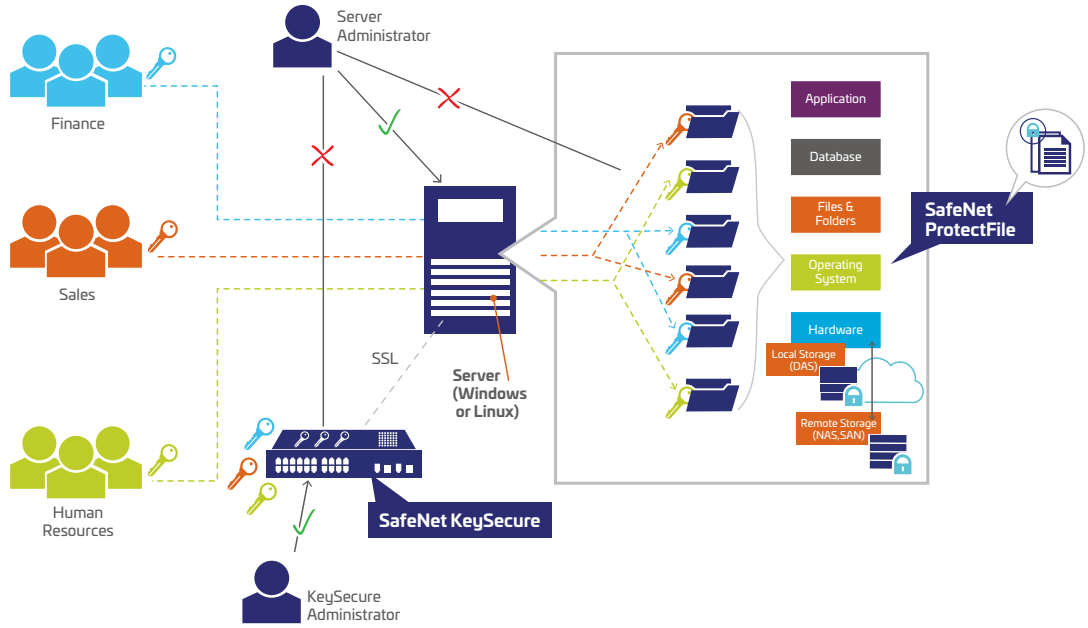
Encryption algorithms

- AES

Supported platforms

- Linux: Oracle, Red Hat Enterprise Linux, SUSE
- Microsoft Windows
- Big Data: Apache Hadoop, IBM InfoSphere BigInsights
- Cloud: All public clouds, including AWS
- Cloud Management: Chef
- Databases: Cassandra, IBM DB2, Microsoft SQL Server, Microsoft SharePoint, mongoDB, Oracle, Couchbase
- Containers: Docker





Improved compliance

SafeNet ProtectFile helps achieve compliance with a variety of regulations that require encryption of data including, but not limited to, credit card numbers for Payment Card Industry Data Security Standard (PCI DSS) compliance, Personally Identifiable Information (PII) to comply with state data breach and data privacy laws, and Electronic Patient Health Information (EPHI) in accordance with HIPAA.

Request information

Contact us for more information and to learn how to get started with SafeNet ProtectFile today.

About Thales Cloud Protection & Licensing

Today's enterprises depend on the cloud, data and software in order to make decisive decisions. That's why the most respected brands and largest organizations in the world rely on Thales to help them protect and secure access to their most sensitive information and software wherever it is created, shared or stored – from the cloud and data centers to devices and across networks. Our solutions enable organizations to move to the cloud securely, achieve compliance with confidence, and create more value from their software in devices and services used by millions of consumers every day.

> thalescpl.com <

Americas – Thales eSecurity Inc. 2860 Junction Ave, San Jose, CA 95134 USA • Tel:+1 888 744 4976 or +1 954 888 6200 • Fax:+1 954 888 6211 • E-mail: sales@thalesesec.com
Asia Pacific – Thales Transport & Security (HK) Lt, Unit 4101-3, 41/F, Sunlight Tower, 248 Queen's Road East, Wanchai, Hong Kong • Tel:+852 2815 8633 • Fax:+852 2815 8141 • E-mail: asia.sales@thales-esecurity.com
Europe, Middle East, Africa – Meadow View House, Long Crendon, Aylesbury, Buckinghamshire HP18 9EQ • Tel:+44 (0)1844 201800 • Fax:+44 (0)1844 208550 • E-mail: emea.sales@thales-esecurity.com