

lime CryptoFiles

GUARANTEES THE SECURITY OF YOUR INFORMATION ON LINUX SERVERS



“LIME CryptoFiles is the ideal solution for a large number of companies that, like yours, are worried about their most important asset: information”



¿What is LIME CryptoFiles?

LIME CryptoFiles is the solution that makes it possible to guarantee the security of data on servers. Cutting-edge Physical and Logical Encryption technology is used to protect information against unauthorized access attempts and theft.

The simple installation of LIME CryptoFiles allows you to configure and put a secure file server into production simply and easily. In addition, the operation of LIME CryptoFiles is transparent for users and applications.



Physical Encryption

Allows data to be encrypted at the disk level, activating an authentication mechanism before the machine boots, using the keyboard or encryption tokens.

This technology is compatible with any file system and is transparent for all of the processes and applications once authentication has been carried out, and has a minimal impact on performance.

Logical Encryption

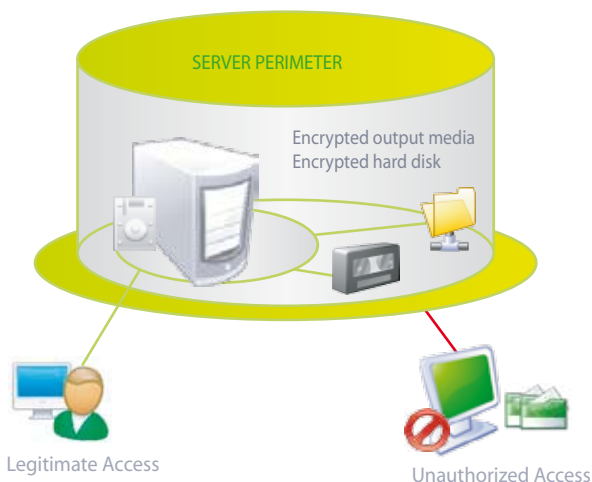
Allows selective encryption of files and provides an independent second level of authentication on top of the operating system's one, which facilitates local or remote access to encrypted files, and the creation of encrypted backup files.

Some of the main advantages include: the possibility of separating functions of system administrators and the security administrators, because not even the system administrator (root) can access the protected data of other users. This is especially important in outsourcing environments.

LIME CryptoFiles provides:

- High-level security in environments with outsourced systems and/or dispersed IT management centers.
- Compliance with data protection standards.
- Prevention against physical theft of hardware, with subsequent information loss or leaks.
- Prevention against unauthorized access to information (including administrator users)





Secure Multi-Client Fileserver

LIME CryptoFiles is integrated as part of each organization's corporate network, and is compatible with Windows and Linux client. SAMBA compatibility using the SMB protocol guarantees transparent access to the information for Linux and Windows clients. Apply the advantages of CryptoFiles to guarantee the security of your Windows networks.

The SAMBA shared file system (SMB Service) allows transparent access to information for both Linux and Windows client stations.

Pre-Boot Authentication

The **LIME Server** product line includes Access Control before the system boots, which means that information on the server is secure in case of physical theft of the machine or its internal hard drives.

This is especially important to protect against contingencies when transporting machines between company branches.



Boot sequence for a system protected with LIME Server.

Encrypted Backup

All of the information stored in **LIME CryptoFiles** is automatically encrypted based on the credentials of each user, preventing unauthorized access, including access by the system administrator (root). This characteristic makes it possible to create encrypted backups.

The advantage of using **CryptoFiles** is that when backup copies are made on external media (tape, removable memory, USB, etc.), the information is still protected and cannot be read if the storage device is lost or stolen.

Compatibility

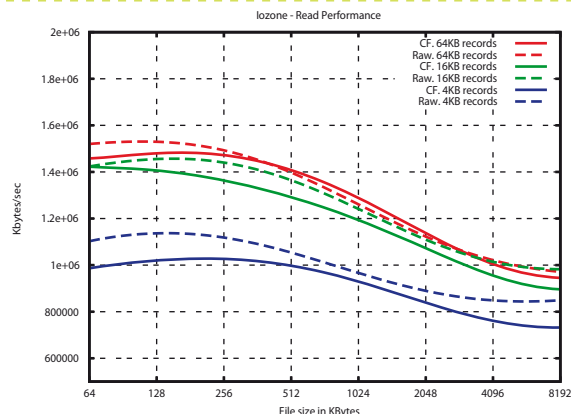
LIME CryptoFiles is compatible with the main Linux distributions on the market, guaranteeing perfect integration with the operating system and an extension of the security tools integrated into it:

- RedHat Enterprise Server AS
- RedHat Enterprise Server ES
- Fedora Core 4 and 6 Servers

Performance

Minimum performance drop with encryption operations. **LIME CryptoFiles** encrypts data with strong, proven algorithms with practically no drop in performance when encrypting or decrypting, creating a truly secure environment for critical data.

PE: Physical Encryption
RAW: Direct reading (no encryption)



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