CRYHOD

FOR DISKS AND LAPTOPS

ENCRYPTION OF COMPUTERS AND DRIVES TO PROTECT AGAINST THEFT OR LOSS

CRYHOD, a Full Disk Encryption (FDE) certified solution, enables full encryption of physical and virtual storage devices for protecting mobility and remote working and for secure recycling.

Risks

For a company, the damages associated with the theft or loss of a computer go well beyond the value of the hardware alone. The recovery and subsequent disclosure or use of the information on the equipment's drive may result in loss of image, industrial and financial damage, or breaches of regulations (GDPR, Restricted information).

To prevent these risks, which are accentuated with the growth in working outside the office walls, it is imperative not to limit workstation security to the classic "login", and to guarantee that only duly authenticated and authorised users have access to workstation content, applicable as soon as equipment is connected or started up.

This is what is offered by Pre-Boot Authentication (PBA) combined with Full Disk Encryption (FDE) as proposed by **CRYHOD**, a Certified European solution for the protection of workstations, adopted by all the major French Ministries.

Securing remote working and mobility

CRYHOD enables the company to protect employee equipment taken off the premises according to a global and managed strategy. This equipment may include laptops, USB flash drives, external hard drives, or VMs (local or in the Cloud).

Full protection of terminals and disks

CRYHOD can encrypt one or all partitions on computers and external devices, thus providing permanent data encryption, which protects the equipment against loss and theft throughout its life cycle, including after being scrapped.

Transparent security for the user, with next to no constraints

Users provide their "secret" when the machine starts up and then work as usual. The session can then be started automatically *(Single Sign On)*. Partition sectors are encrypted and decrypted on-the-fly, so the user has no interaction with the product. When the user shuts down or turns off the workstation, its contents remain encrypted and therefore protected.

"Encrypt and forget" solution

Once deployed, **CRYHOD** can be forgotten. The company's security policy is guaranteed, users can forget about it, and all the equipment is protected.

PRIMX
MAKE ENCRYPTION HAPPEN

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ENCRYPTION

- **Encryption of partitions** *(system and data)*
- **Encryption on-the-fly, transparent for users**
- **Initial encryption in the background; restart after outage; fast mode** *(processing only the sectors used)* **or full mode** *(for all sectors)*
- **Secure hibernation**

AUTHENTIFICATION

- **Pre-boot authentication** *(before start-up or connection)*
- **Authentication by password, smartcard or token**
- **Manual or automatic session start-up** *(Single Sign On)*
- **Single-user or multi-access workstation** *(shared / self-service workstation)*

ADMINISTRATION - IT

- **Deployment via standard IT infrastructures** *(SCCM, AD, etc.)*
- **Minimal "Encrypt and Forget" IT management**
- **All types of drives and computers** *(BIOS or UEFI)*

ADMINISTRATION - SÉCURITÉ

- **Security policies defined by the security officer**
- **Configurable data recovery mechanism**
- **User support** *(loss of key or password)*

TECHNICAL SPECIFICATIONS

+ **Windows** 11+, **Windows Server**
+ BIOS and UEFI firmware
+ **AES 256** encryption
+ Access via **RSA certificates/keys** *(up to 4096 bits)* **and/or passwords** *(configurable strength)*
+ Compatible with all major PKCS#11 **cryptoprocessor passes** *(smartcard or USB format)*
+ Compatible with most **PKI** on the market

CERTIFICATIONS

CERTIFIED CC EAL3+

Common criteria certification at the level EAL3+

VISA DE SÉCURITÉ ANSSI

Security Visa from ANSSI

EU UE RESTRICTED

NATO OTAN RESTRICTED

Endorsed for protecting EU and NATO information

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