

Becrypt DISK Protect CPA Foundation

A Commercial Product Assurance (CPA) approved full disk encryption solution for desktop and laptop PCs to protect RESTRICTED data from theft and loss

For the first time a CESA approved product, DISK Protect CPA Foundation, secures an organisation's protectively marked data (up to RESTRICTED, Impact Level 3), whether on desktops or laptop PCs with full central management and simple deployment. With greater amounts of data being stored come greater risks of data loss. DISK Protect CPA Foundation ensures that all RESTRICTED (IL3) data is safely encrypted, with no change in performance or operation to the user; Commercial Product Assurance (CPA) is the new scheme from CESA, the UK Government's National Technical Authority for Information Assurance, that gives assurance for commercial products. Becrypt's DISK Protect full disk encryption is the first product to gain Foundation Grade approval - making it suitable for virtually all data held by local authorities, blue light services, NHS and central government, while avoiding the complexity of managing CESA key material. DISK Protect Foundation can be used without requiring key material from CESA during any phase of the setup or installation.

However, two factor authentication is a mandatory pre-requisite and therefore tokens are required for both Disk Protect Foundation and Augmented products.

Protecting your organisation's data

Organisations today have the challenge not only to secure their data from loss or theft, but also to meet new regulations to protect confidential data. Increasingly, data is vulnerable when desktop PCs or laptops are lost or stolen, particularly as PCs are used to store large amounts of data and as laptops are taken off the premises to enable flexible working.

With recent cases of high profile data loss, the protection of personal or company data is now being mandated through legislation or contractual obligations. A breach of such conditions may lead to fines, loss of

contract and even loss of revenue, as well as the potential media coverage that can lead to damage in reputation and brand.

DISK Protect Overview

DISK Protect CPA Foundation provides assured full disk encryption for desktop and laptop PCs for Protectively marked data at RESTRICTED without using a key supplied by CESA. Total encryption is combined with strong user authentication to provide comprehensive secure access for Protectively marked data up to RESTRICTED (Impact Level 3).

The encryption is applied transparently, with no impact on performance. Using strong user authentication, unauthorised access is prevented.

Unlike some solutions, DISK Protect CPA Foundation is very easy to deploy and manage. When combined with Becrypt Enterprise Manager DISK Protect CPA Foundation can be deployed throughout an organisation with little or no disruption to business activities. The package can be deployed to thousands of users in the organisations quickly, and laptops and PCs can be secured within hours.

How it works

DISK Protect CPA Foundation works by encrypting every section of the hard drive, preventing unauthorised access to anyone accessing the files without permission. DISK Protect CPA Foundation provides strong authentication to load the operating system and access user files and it will allow users to protect their existing and any new data without causing any impact on day to day operations.

The product can be installed at any time, and will encrypt data while the user works. Once installed, all read/write requests are decrypted/encrypted on the fly without user interaction, allowing users to continue to use the system as normal. Central Management allows recovery data and audit logs to be recorded centrally, while the deployment can take place with no user interaction required, preventing any down time of equipment.

Fast Facts

- Removes the need for CESA Key Material
- Secures data at Protect to RESTRICTED
- Full disk encryption for desktop and laptop PCs
- Single Sign-On Support
- Linked to Active Directory Credentials
- Considerably lower deployment costs (without the need for CESA Key Material)
- Lower management costs
- Doesn't impact the end user and easy to use
- Faster Deployment
- Central Management through Becrypt Enterprise Manager
- CPA Foundation Accredited

Becrypt CPA Foundation

CPA Foundation and CPA Augmented Environments

Becrypt's DISK Protect full disk encryption is the first product to gain Foundation Grade approval and may be used up-to and including certain IL3 environments. CPA Augmented Grade is a more rigorous assessment of the product's implementation to ensure it is suitable for moderate threat environments, DISK Protect Augmented will be available later this year.

IL5/6	ENHANCED	ENHANCED	ENHANCED
IL4	ENHANCED	ENHANCED	ENHANCED
IL3	FOUNDATION	AUGMENTED	ENHANCED
IL2	FOUNDATION	FOUNDATION	AUGMENTED
IL1	FOUNDATION	FOUNDATION	FOUNDATION
	Low	Medium	High
	THREATS		

At a glance

Features	Benefits
Provides installation to all Windows environments from a single installer	Can be deployed to thousands of users quickly with minimal user interaction and no disruption to business activities, systems can be secured within hours
Centralised management provides enterprise level control and management over all protected machines	Easy to manage machines on the network with no disruption to users
Encryption overhead is minimal and happens in the background transparently without any disruption to business activities	Easy login for users, with no noticeable performance changes
Data is encrypted automatically	Easy to use - the user does not have to remember to encrypt data, and can close down the machine during encryption
Secure hibernation	Safeguards data – data is protected when the machine goes into hibernation
Pre-boot authentication	Prevents unauthorised access and provides strong authentication
Token and smart card support	Provides additional layers of authentication and enables integration with existing security policy
Token Multiple users can be added to a single PC	Allows the secure sharing of resources and aids organisational flexibility
CESG CPA Scheme certified	Government approved for protection of data marked 'RESTRICTED' Impact Level 3 (without the need for CESG Key Material)

Certification

Becrypt DISK Protect became the first product to be certified against the new Commercial Product Assurance Scheme. Becrypt DISK Protect is certified at the Foundation Grade for use in the UK public sector, demonstrating good commercial security practice, suitable for lower threat environments such as PROTECT and some RESTRICTED data. DISK Protect Augmented will be available later this year.



For more information please visit www.becrypt.com

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