

next encryption

SECURE YOUR DATA AT REST



next encryption services secure your data at rest in your servers and a central management platform allows only authorised users to see the unencrypted data. The main drivers for using encryption and access controls to protect sensitive data include compliance with various mandates, including PCI/DSS and the General Data Protection Regulations (GDPR); and commercial sensitivity in the case of theft or disclosure.

The most proven line of defence against data breaches is to protect the data itself with encryption. Then, even if the data is lost or stolen, it has no value. In fact the loss of encrypted personal data is not even a reportable event under UK GDPR regulations.



The encryption agent are inserted above the file system logical volume layers and control access to protected data, referring to the policies set in the Data Security Manager. The agents perform the encryption, decryption and access control work locally on the system that is accessing the data at rest in storage. This enables encryption to be distributed within the data centre and out to remote sites while being centrally managed.

The agents are specific to the OS platform and transparent to applications, databases, file systems, networks and storage architecture. OS support includes Windows, Linux and UNIX.



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-  **Transparent**
No changes to your applications or processes.
-  **Scalable**
From tens to thousands of servers.
-  **Used in all Environments**
Physical servers, cloud, containers and big data .
-  **Low Impact**
Very small overhead.
-  **Centralised Control**
Via a single or dual resilient Security Manager.
-  **No Capital Expenditure**
Offered on an Opex model as a Service.
-  **Internationally Approved**
Federal Information Processing Standards FIPS 140-2
-  **Enterprise Grade**
Supplied by Thales Vormetric.

next encryption services can be used to secure data in **next connex** data centres, **next cloud servers**, virtual data centres and in customers own equipment or third party clouds. If data is moved between two locations with encryption, the data is encrypted in motion over the network.



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