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VERITAS NetBackup™ Encryption Option

INNOVATIVE DATA PROTECTION

NetBackup Encryption Option protects critical data from unauthorized access and tampering while in transit as well as when it resides on backup media. The process of applying and managing encryption keys is simplified through integration with NetBackup. Simply select what level of encryption you want when configuring backup policies and leave the rest to NetBackup.

With multiple levels of encryption support for both files and database, NetBackup provides peace of mind and security for your backup data regardless of where it lives or what happens to it.

ENCRYPTION MADE EASY

NetBackup allows administrators to centrally manage and track the encryption of backup data from within NetBackup. By using software as the controller of encryption, rather than media hardware, administrators gain a heterogeneous security option that allows them to encrypt and decrypt data regardless of the hardware platform used for backup or recovery.

NetBackup software performs the data encryption on the client, transfers the data across the network and stores it on tape in the encrypted format. On restores, the encrypted data is read from media and transferred across the network to the client before decryption.

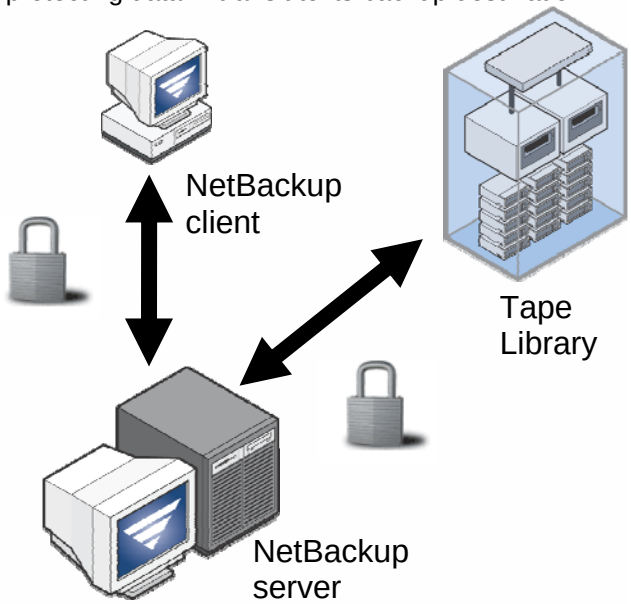
NetBackup provides data encryption using either 128-bit or 256-bit OpenSSL ciphers. This level of encryption meets both U.S. government and corporate standards of encryption quality. NetBackup also supports 40 and 56-bit encryption methods for customers with legacy encryption.

Product Highlights:

- **Policy Driven Encryption:** Apply and select encryption methods based on your backup policies not the hardware or media type
- **Centralized Control:** Administer and manage encryption options and keys through NetBackup
- **File System & Database Support:** Encrypt major file systems and databases.

Product Highlights Continued:

- **Multiple Levels of Protection:** 128-bit Advanced Encryption Standard (AES), 128-bit Blowfish, Two key triple DES (112-bit), and 256-bit AES. Support for legacy 40 and 56-bit encryption.
- **Client Level Encryption:** Protects your backup data at the source, as the backup occurs, providing protecting data in transit to its backup destination



NetBackup Encryption Option protects data from the client source all the way to the storage medium.

THE FORGOTTEN LINK

Companies lock their buildings to protect their investments and secure their networks to protect data, but often overlook the security of their backup and disaster recovery data. Backup and recovery information often represents a complete mirror of existing corporate and customer data making its security as important as primary sources of storage. When companies move unencrypted backup information by tape or disk to an offsite location, they expose private customer data, corporate financial data, and intellectual property to significant risk. Encrypting your backup and recovery data provides you with an important layer of protection. When other

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security measures fail or unexpected events such as data loss occur, encryption adds a known level of security.

PUTTING POLICY INTO ACTION

While some companies may be able speak to the data that should be encrypted, they often have a difficult time identifying and tracking which data should be encrypted. Should you encrypt the whole backup database or only part? Should all the files on a server be encrypted, or only a portion? NetBackup provides you with the flexibility to backup and encrypt a portion of data, or all of the data, based on established policies.

A central console simplifies applying encryption at a client

NETBACKUP ENCRYPTION OPTION SUPPORT

NetBackup encrypts data through backup policies. The following policy types support encryption:

Platforms Support

- HP-UX
- HP-Tru64
- IBM AIX
- Linux
- Microsoft Windows
- SGI IRIX
- Sun Solaris

Applications Supported

- SAP
- Oracle
- Microsoft SharePoint
- Microsoft Exchange
- IBM Lotus Notes

Databases Supported

- Oracle
- IBM DB2
- IBM Informix
- Sybase
- Microsoft SQL Server

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