

# CopyCrypt™

## Secure Encryption for ALL Mainframe Tape Data

CopyCrypt protects sensitive information in compliance with government regulations (HIPAA, Sarbanes-Oxley, GLBA, etc.) by encrypting selective data during the backup process using non-proprietary, open source encryption algorithms such as DES, 3DES, and AES – the official US government standard.

**CopyCrypt encrypts mainframe tape data to close the window of compliance exposure for application backups, full volume backups, and business-to-business files.**

## Why Choose an Enterprise Solution for your Backup Tape Encryption Needs?

**The Problem with Point Solutions** - A key area of data exposure can be revealed by using "point solutions" for data encryption. Using encryption software that is only capable of encrypting data generated by the program products of that same vendor, or only a small subset of your critical data, leaves data centers to manage multiple encryption processes for their backup tapes - increasing the margin for error.

**CopyCrypt is an enterprise solution for mainframe tape encryption that can encrypt standard application data, as well as proprietary datasets like DFSMSHsm, DFSMSdss, DB2, FDR, and more.**

CopyCrypt offers users the power to choose the best encryption and key management methods for their environment.

CopyCrypt is able to invoke the encryption services of ICSF for key management and the onboard Cryptographic Coprocessor for encryption processing, along with software encryption and centralized, automated key management using the CopyCrypt key database.



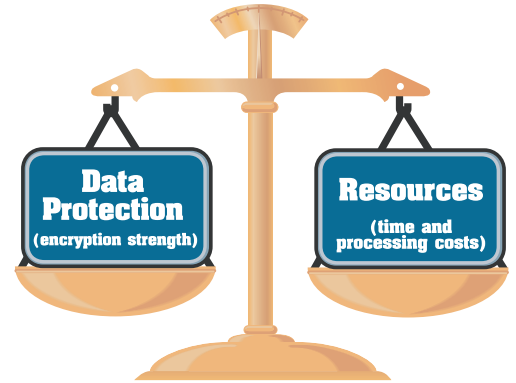
### CopyCrypt Benefits

- ✓ Protects sensitive data in compliance with government legislation and company regulations.
- ✓ Maximizes tape utilization for encrypted tapes using compression and intelligent dataset stacking.
- ✓ Supports the use of hardware and/or software encryption, as well as ICSF or internal key management for maximum flexibility.
- ✓ Supports secure key and clear key encryption capability.
- ✓ Requires no production JCL or application changes.
- ✓ Datasets are easily recovered and decrypted during disaster recovery.

## Selective Encryption Saves Processing Time

CopyCrypt features robust dataset selection capabilities to allow the user to identify not only which datasets to encrypt, but also to what strength to encrypt the data based on dataset criteria. Selective encryption using CopyCrypt's unique rule-based criteria allows you to balance the need for data protection with the availability of time and resources.

CopyCrypt protects your high-capacity tape investment by supporting compression, allowing encrypted and non-encrypted data to be processed by the same job, and stacked onto the same backup tape to keep offsite storage costs low.

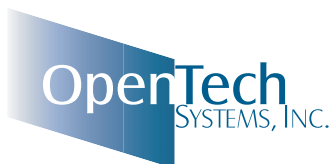


*The Perfect Balance of Encryption and Resource Usage.*

**In a world plagued by identity theft, tapes lost in transit, and natural disasters, encrypting backup tape data using CopyCrypt is essential.**

## Key Features of CopyCrypt

- ☑ Selects data for encryption based on creating program name, creating job name, dataset pattern or other criteria.
- ☑ Ability to stack unencrypted data on the same tape with data encrypted to multiple security levels/strengths.
- ☑ Utilizes a proprietary high-speed data movement engine for backup processing.
- ☑ Supports DES, 3DES, and AES encryption algorithms.
- ☑ Supports application datasets in addition to most proprietary datasets such as DFSMSHsm, DB2, etc.
- ☑ Supports software and/or hardware encryption and can invoke the encryption services of ICSF for key management or use its own internal key database.
- ☑ Uses standard, non-proprietary IBM compression technique to compact data prior to encryption.



405 State Highway 121 Bypass  
Building C, Suite 130  
Lewisville, Texas 75067  
800.460.3011  
469.635.1500 outside North America  
www.opentechsystems.com  
info@opentechsystems.com

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CopyCrypt's software encryption is powered by RSA BSAFE®.