SCALEMATRIX

DATA PROTECTION & BACKUP

ENCRYPTION AT REST (EAR) EXPLAINED

What is Encryption at Rest?

EAR is the technology that encrypts data before it is stored in hard drives for network share or folder location.

EAR is one of the most important tools to fight against data breaches or technology theft.

What does Encryption at Rest with ScaleMatrix do?

- Ensure Secrecy of Stored Data
- Regulatory Compliance Requirements
- Firmware Protection for the Hard Drive
- Instant, Secure Erasing
- Easy and Seamless Implementation
- Encryption Post Compression
- Fully Auditable /Validated Encryption Cipher

There are many ways cyber terrorists can gain access to your data, or sometimes it could be human error, like misplacing a hard drive. In either case, EAR can help protect your data if these incidents occurred.

THERE ARE 2 TYPES OF DATA THAT REQUIRE ENCRYPTION:

Data at Rest

- **Files and folders in your Network**
- Not used on a regular basis
- Used only when working on them
- Stored in a location within the Network
- EAR required

Data in Motion

- Active data **accessed from a Browser Page, or an OS Dedicated Program**
- Data is usually encrypted already by these programs

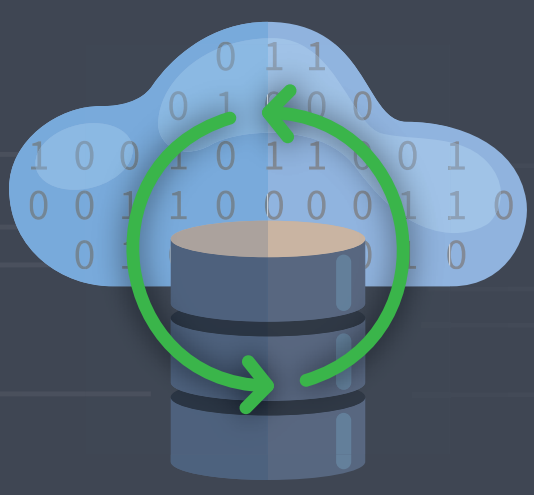
Why do you need Encryption at Rest (EAR)?

Encryption at Rest is an important step in data security as it ensures the data is secure down to the storage medium. By using EAR, you increase protection against physical theft and lost hard drives.

How does ScaleMatrix Implement Encryption at Rest (EAR)?

ScaleMatrix offers you SAN access called ScaleStor delivered in three different IOP Performance tiers for Copper or Fiber Networks.

- ScaleStor Allows for Hardware-Level Encryption
- Includes Multiple Tools such as Replication, Deduplication, and Others
- No OS Overhead to Encrypt the Data



ScaleStor
EAR TECHNOLOGY

- Firmware Protection for the Hard Drive
- Instant and Secure Erasing Technology that Allows Devices to be Retired with Minimal Risk of Data Misuse
- Encryption Post Compression

scalematrix.com/scalestor

Make Encryption at Rest a high priority in your organization's data protection plan.

Reach out with questions or ask for a complementary data protection evaluation at

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