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Data Encryption

The flowing conversion of data from a readable format to an encoded format. Data Encryption is the process of transforming information, referred to as plaintext, using an algorithm to make it unreadable for anyone except those who possess the decryption key. It's an innovative method to provide data security while the data travels wide network base, ensuring the integrity of the information is maintained.
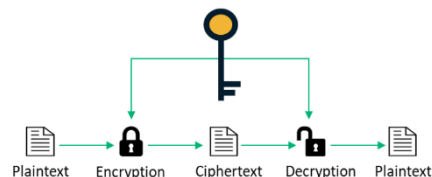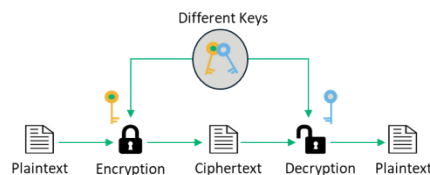

End-User

- ◆ HPC IAAS
- ◆ Aerospace & Defense
- ◆ Automotive
- ◆ BFSI
- ◆ IT & Telecom
- ◆ Healthcare
- ◆ Manufacturing

Methods

Symmetric Key Method

Plaintext → Encryption → Ciphertext → Decryption → Plaintext

Asymmetric Key Method

Different Keys

Plaintext → Encryption → Ciphertext → Decryption → Plaintext

Trends

- ◆ Database Encryption Market Size is forecasted to reach $3,445 million by 2025, estimated to grow at a CAGR of 25.5% during 2020-2025

- ◆ According to Statista, 56% businesses extensively deploy encryption on their enterprise's internet communications while 27% businesses partially deploy encryption on their internet communications

- ◆ Extensive data encryption across the organization is said to reduce data breach costs by $237,000

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