

Course 3 Week 4

Cryptography.

↳ encryption and related cryptographic mechanisms (hashing, digital signing) safeguard customer data and its integrity and prevent unauthorized access to it

Cryptographic Terminology

Encryption → process of encoding data in a way that only authorized parties can access.

→ Encryption provides confidentiality.

but not integrity.

→ Data can be encrypted

- at rest
- at use
- in transit.

Sensitive business and personal data should be encrypted all time, everywhere.

Common types of encryption Algorithms

- Symmetric
- Public Key.
- Hash Functions.
- Digital Signatures.