

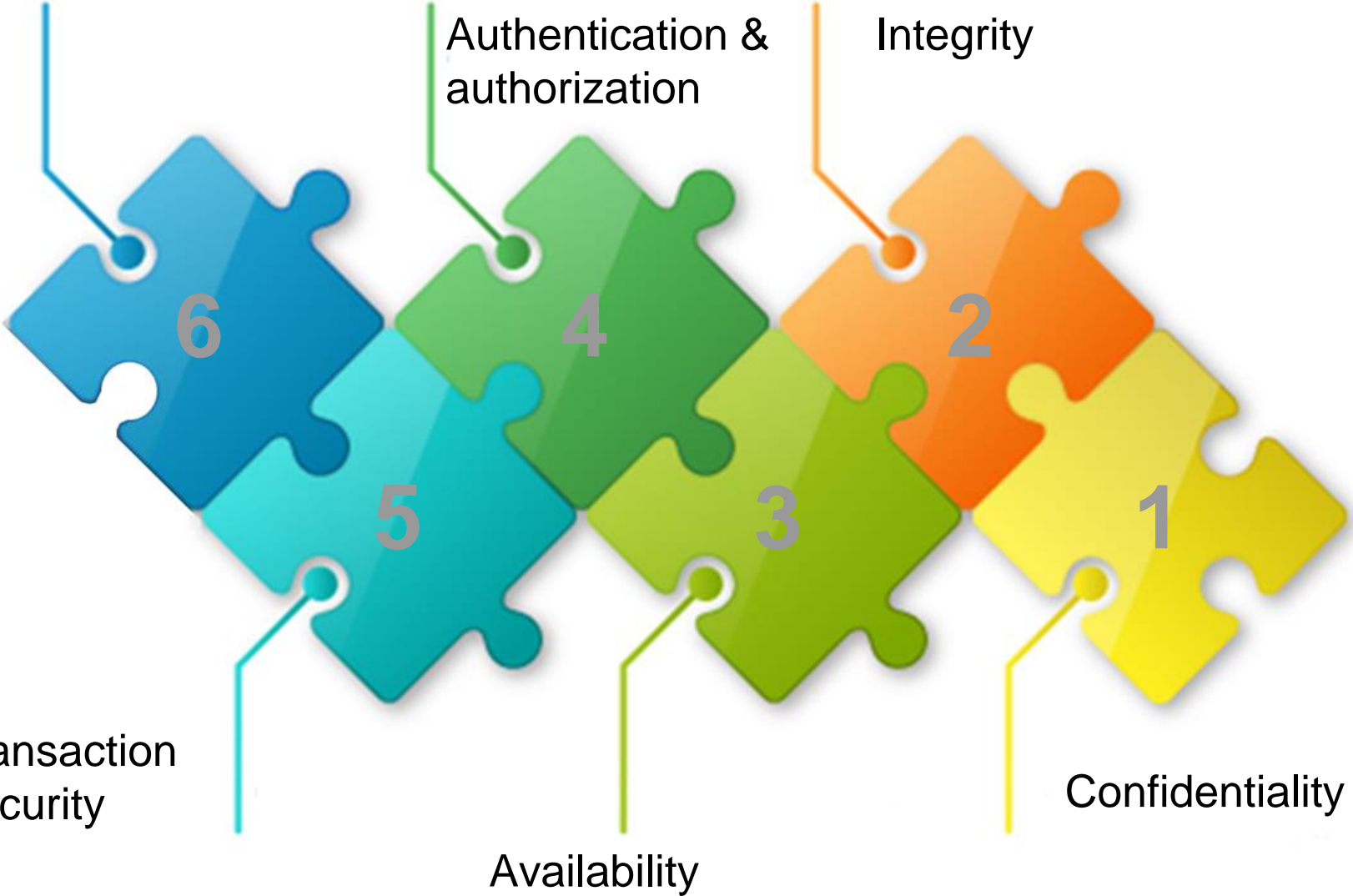
Encryption  
Day

# Encryption in the Financial Sector



# Understanding to Secure Financial Information

Regulation compliance



Authentication & authorization

Integrity

6

4

2

5

3

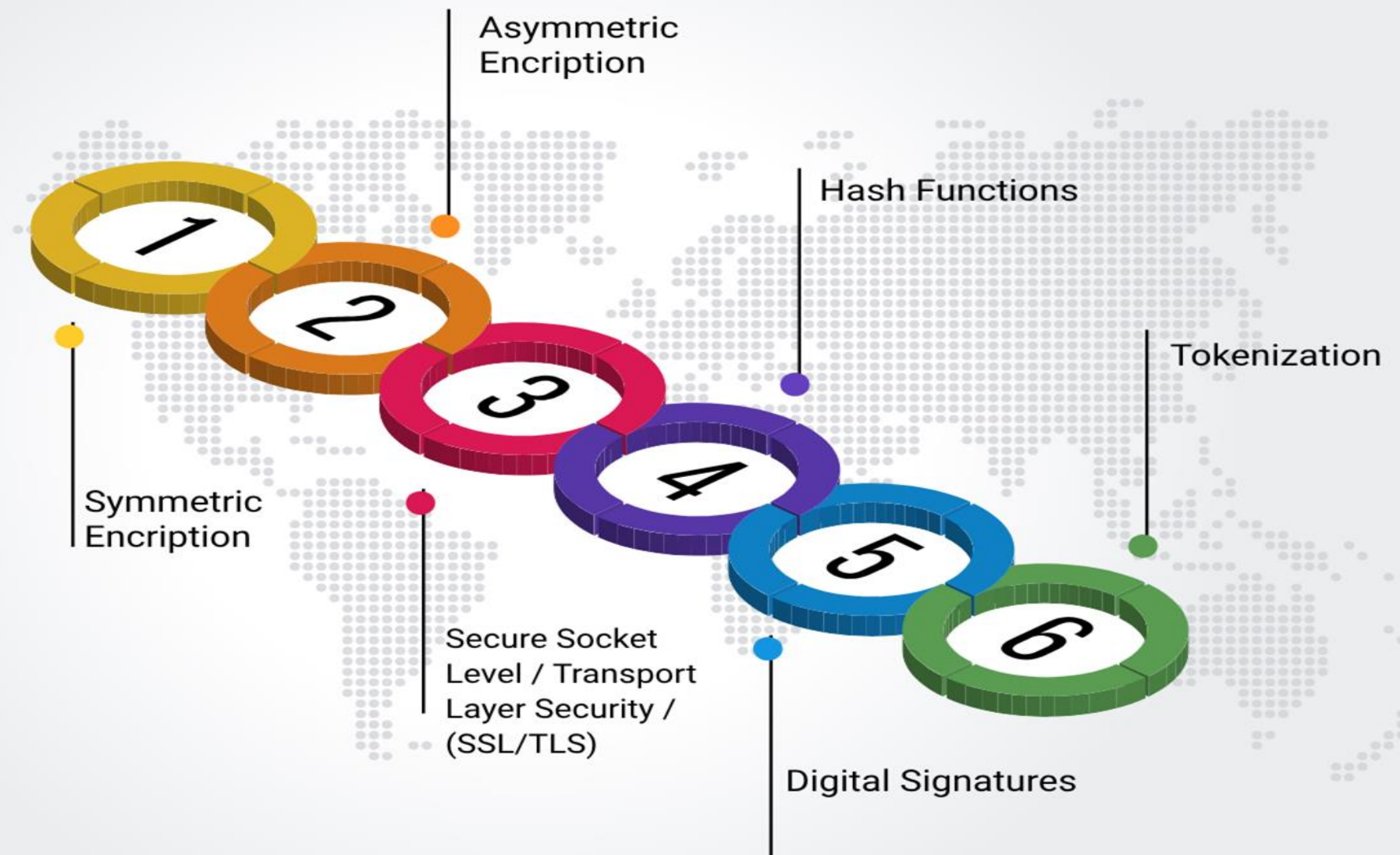
1

Transaction Security

Confidentiality

Availability

# Encryption Techniques for Financial Transactions



# Secure Information in Armenian Financial Institutions

18 Banks

14 Credit Organizations





**Alliance Entry**

**Alliance Lite2**

**Alliance Cloud**



- ❖ Encrypt communication
- ❖ Secure Authentication
- ❖ Strong Authorisation



# CBANet

- ❖ Closed Network for Banks and Financial Organizations
- ❖ Based on Armenian ISP's data connections
- ❖ Strong ACL Applications
- ❖ No Encryption



# Lotus Domino

## Lotus Notes

## BankMail

Lotus Notes ID's Management  
"Araks" Hardware Encryption



# Hardware Encryption

**"Araks-3 PCI"** is a hardware and software device for preliminary encryption and digital signature of information encoded in the PCI slot of a personal computer (PC).

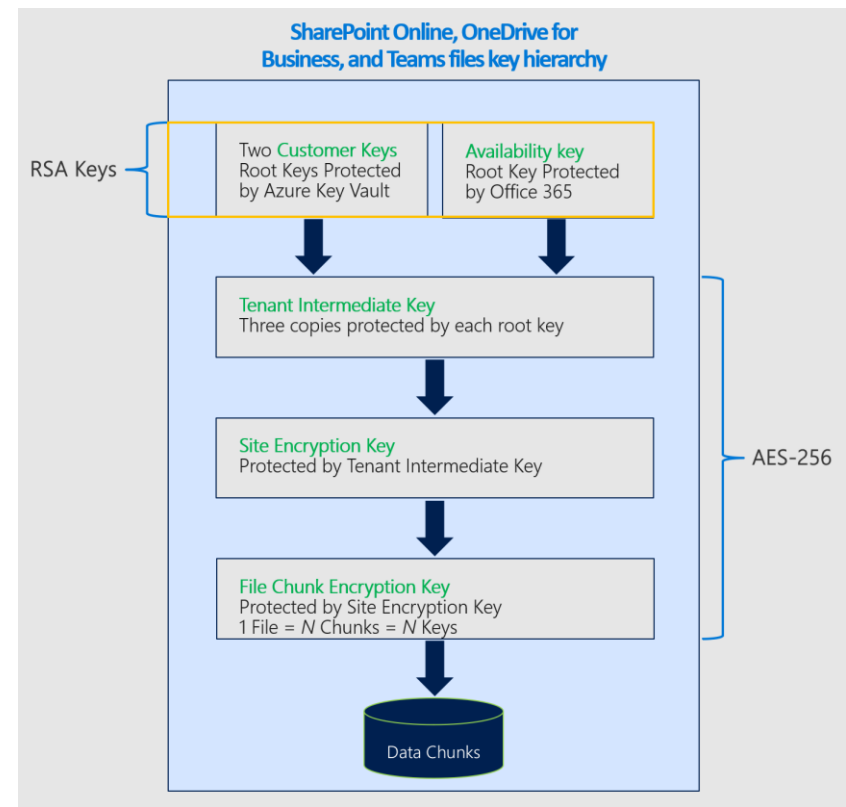
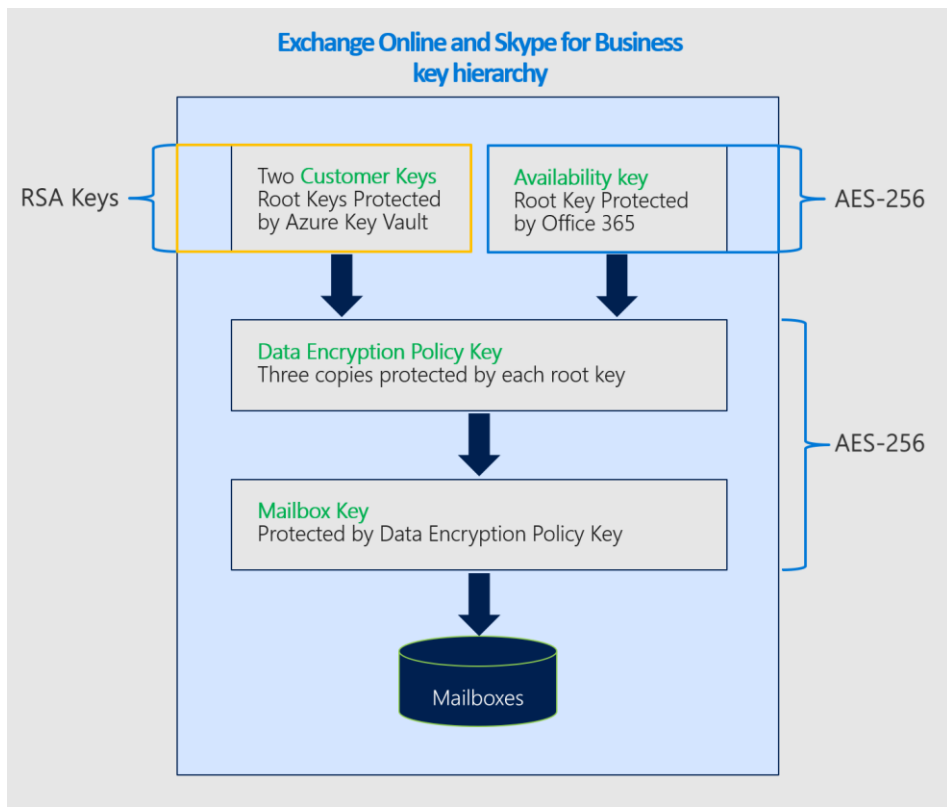
**"Araks-3 USB"** is a hardware and software device for preliminary encryption and digital signature of information on the USB port of a personal computer (PC).

**"Araks-3 Eth"** is a device for cryptographic protection of digital information transmitted at the level of the session networking model "OSI".





- ❖ E-mail
- ❖ OneDrive
- ❖ SharePoint
- ❖ Teams



# Role of Blockchain Technology in Financial Security



# Fastex<sup>⚡</sup>



## Fastex Card

### Fast token<sup>⚡</sup>

The native token of Fastex blockchain

### Fastex pay<sup>⚡</sup>

Crypto payment system enabling merchants to accept the most popular cryptocurrencies in their e-commerce stores

### Fastex exchange<sup>⚡</sup>

Cryptocurrency exchange platform for electronic currencies

### Bahamut<sup>⚡</sup>

EVM blockchain which utilises a completely new modification of proof of stake consensus mechanism

### ft<sup>⚡</sup> NFT

NFT marketplace for creators, collectors and traders offering exclusive features.

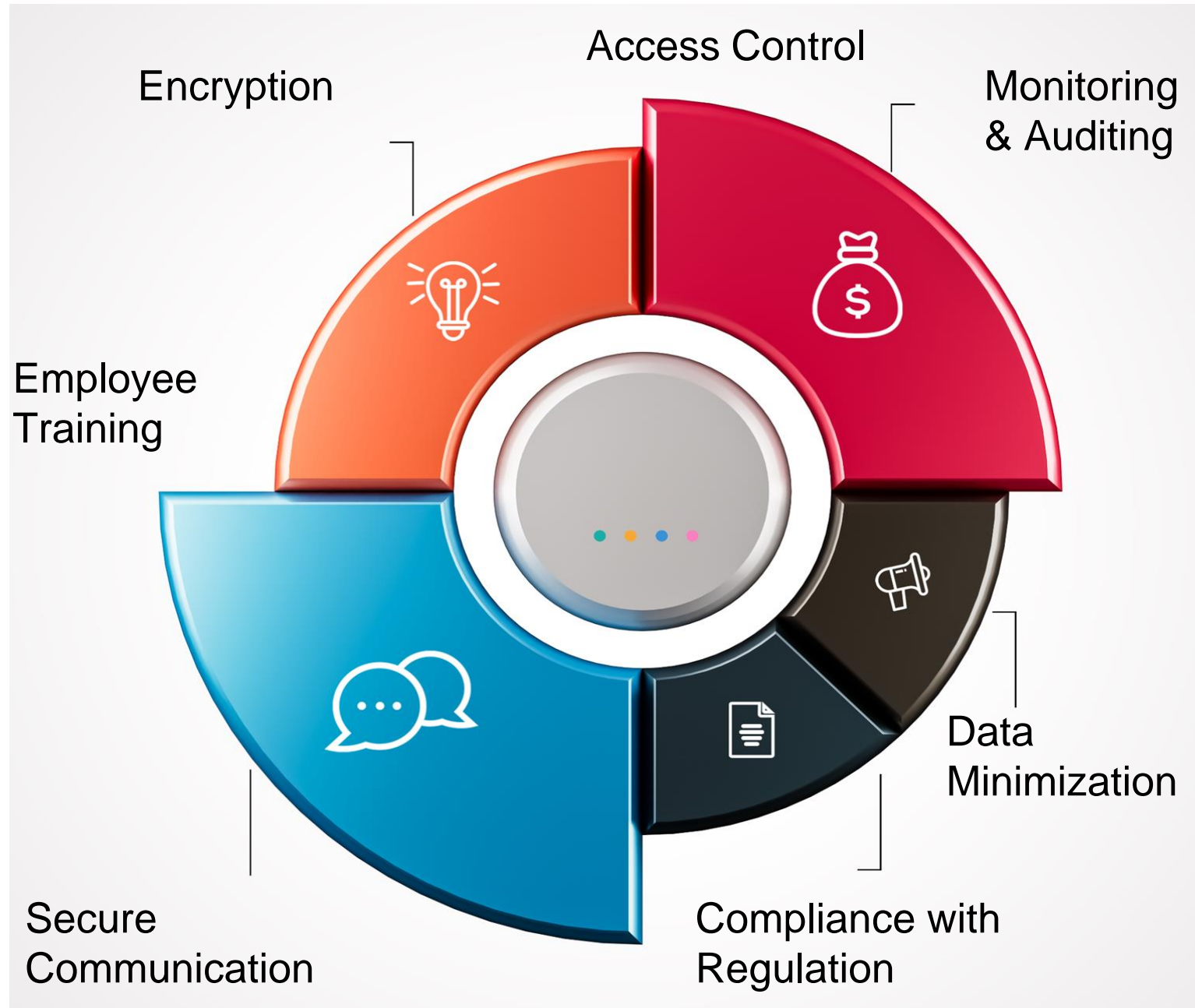
### Fastex verse<sup>⚡</sup>

Immersive metaverse experience accessible for all Fastex users

### First ticket<sup>⚡</sup>

A blockchain based RNG regulated Raffle that provides transparency to all clients.

# Protecting Personal Data in Financial Systems



# Emerging Trends in Financial Security

01

Biometric Authentication

02

Blockchain Technology

03

Artificial Intelligence and  
Machine Learning

04

Multifactor Authentication

05

Encryption and Privacy

# Best Practices for Ensuring Financial Information Protection

Enable Two Factor Authentication



Encrypt Data in Transit and Rest



Regularly Security Audit



Monitor and Detect Anomalies



Implement Strong Password Policy



Regularly Update and Patch Software



Educate Users on Phishing and Social Engineering



**THANK YOU**

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