

# Domain Summary

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# Security Operations for CC<sup>SM</sup> Certification

## Agenda:

**Data Security**

**Security Operations and  
Administration**

**Security Awareness Training**

**Exam Review Tips and  
Techniques**



# Key Points

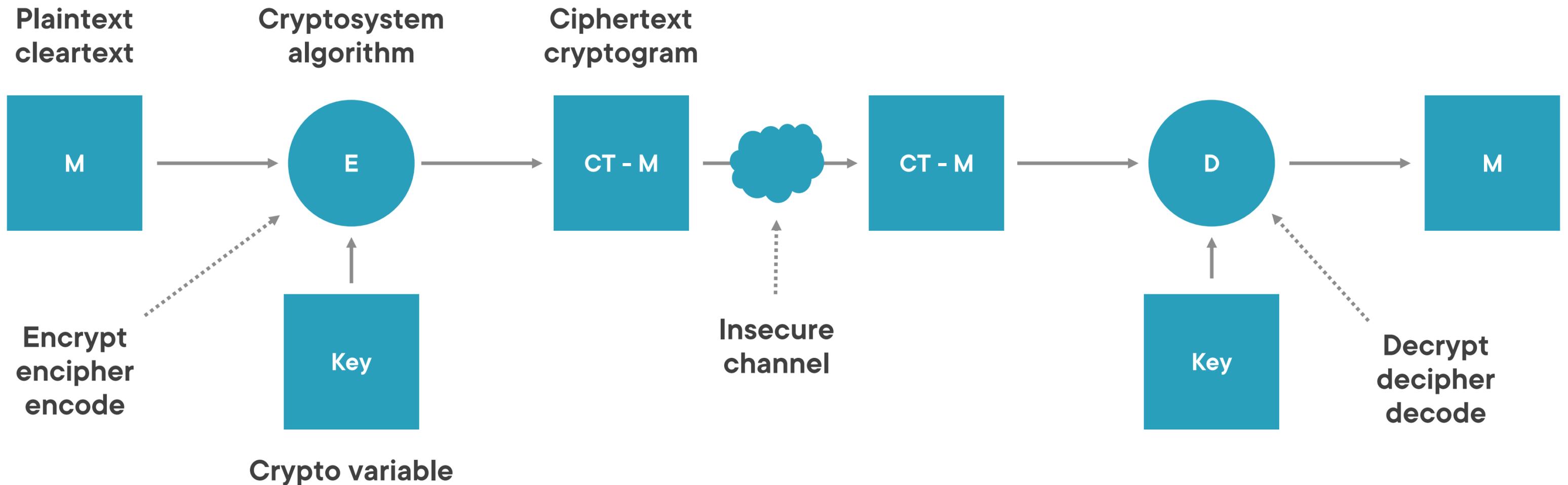


## Data protection requires:

- Ownership
- Classification
- Labels
- Retention policy
- Secure destruction



# Cryptography Terminology



# Symmetric Algorithms

**An algorithm that uses the same key in both the encryption and decryption process**

## **Characteristics:**

- **Good for confidentiality**
- **Relatively fast**
- **Good for encrypting streaming content**



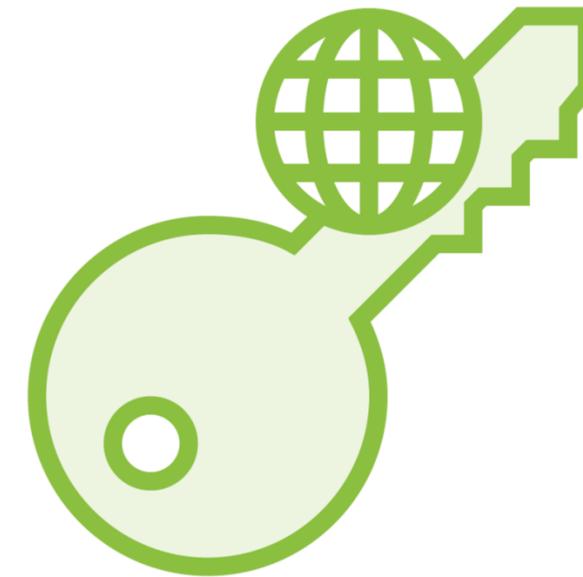
# Asymmetric Algorithms

Based on use of a key pair



**Private key**

Must be kept secret



**Public key**

Computed from the private key

One-way function

Can be shared freely

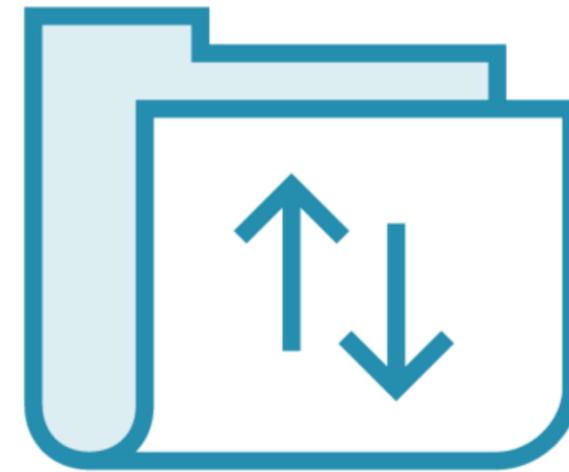


# Message Authentication Codes (MAC)

**Used to verify integrity of a message**



**Storage**



**Transmission**



# Security Monitoring

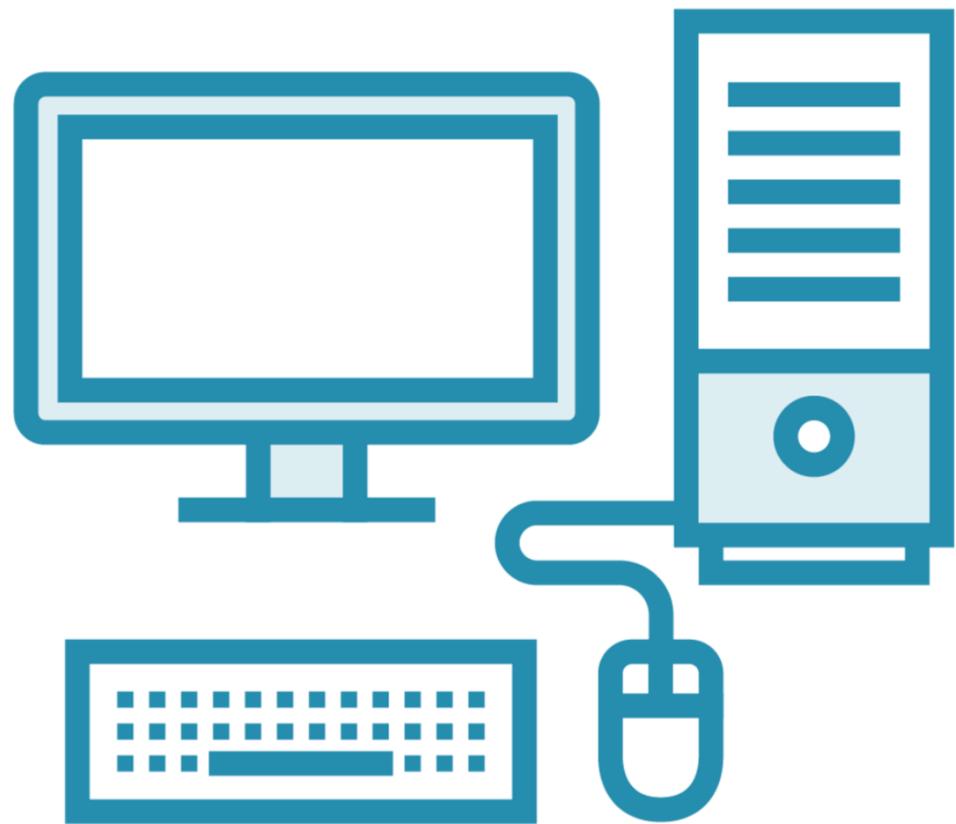


## Changes in Risk

- Changes in Asset Value
- Changes in Threats
- Newly discovered vulnerabilities
- Focus of attacks



# Security Operations and Administration



**Change control**

**Configuration management**

**Policies**





# Security Awareness Training

**The 'best' security control**

**Social engineering**

**Password protection**



# Exam Review Tips and Techniques



**Exam outline**

**Sample questions**

**Study plan**



## Next Steps



**Review and understand each topic area – not just memorization**

**Do the sample questions in the Study Guide**

**You have completed the last course in this certification journey**

- Review
- Be confident
- Share your experiences
- Be a force for change in your world

