

Domain Summary



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Security Operations for CCSM Certification

Agenda:

Data Security

**Security Operations and
Administration**

Security Awareness Training

**Exam Review Tips and
Techniques**



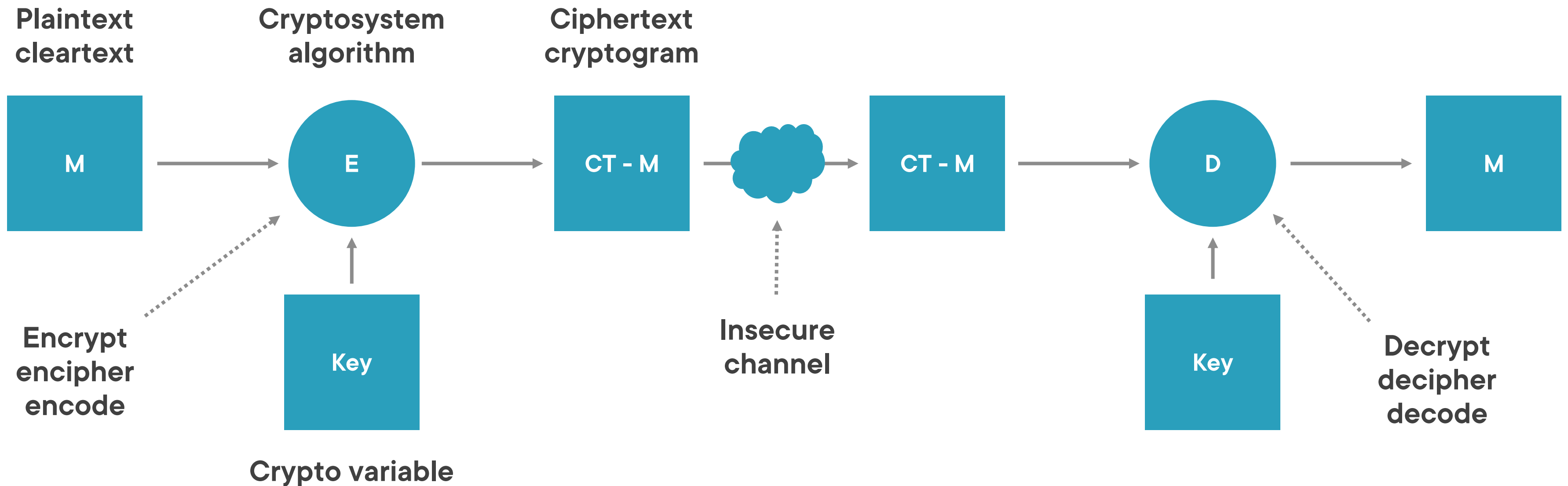
Key Points



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**



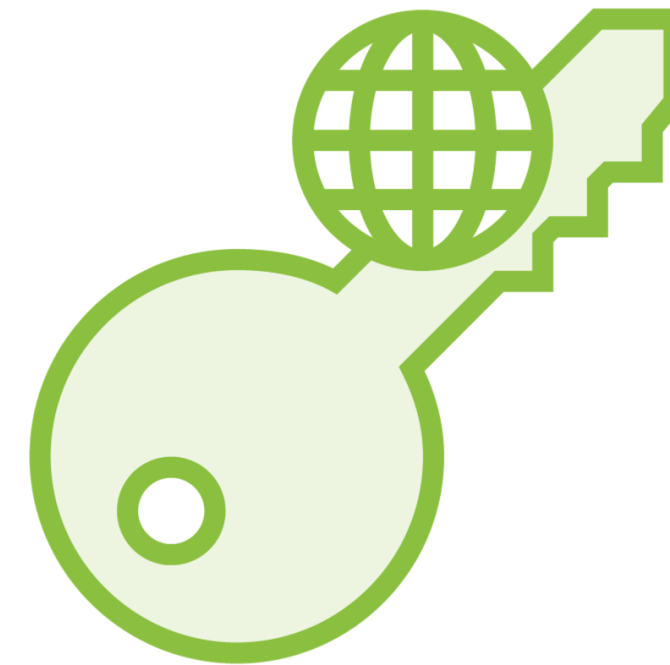
Asymmetric Algorithms

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

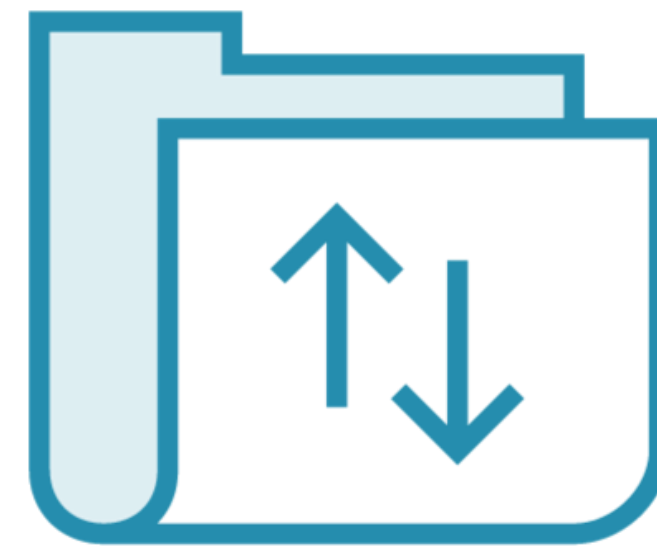


Message Authentication Codes (MAC)

Used to verify integrity of a message



Storage



Transmission

Security Monitoring

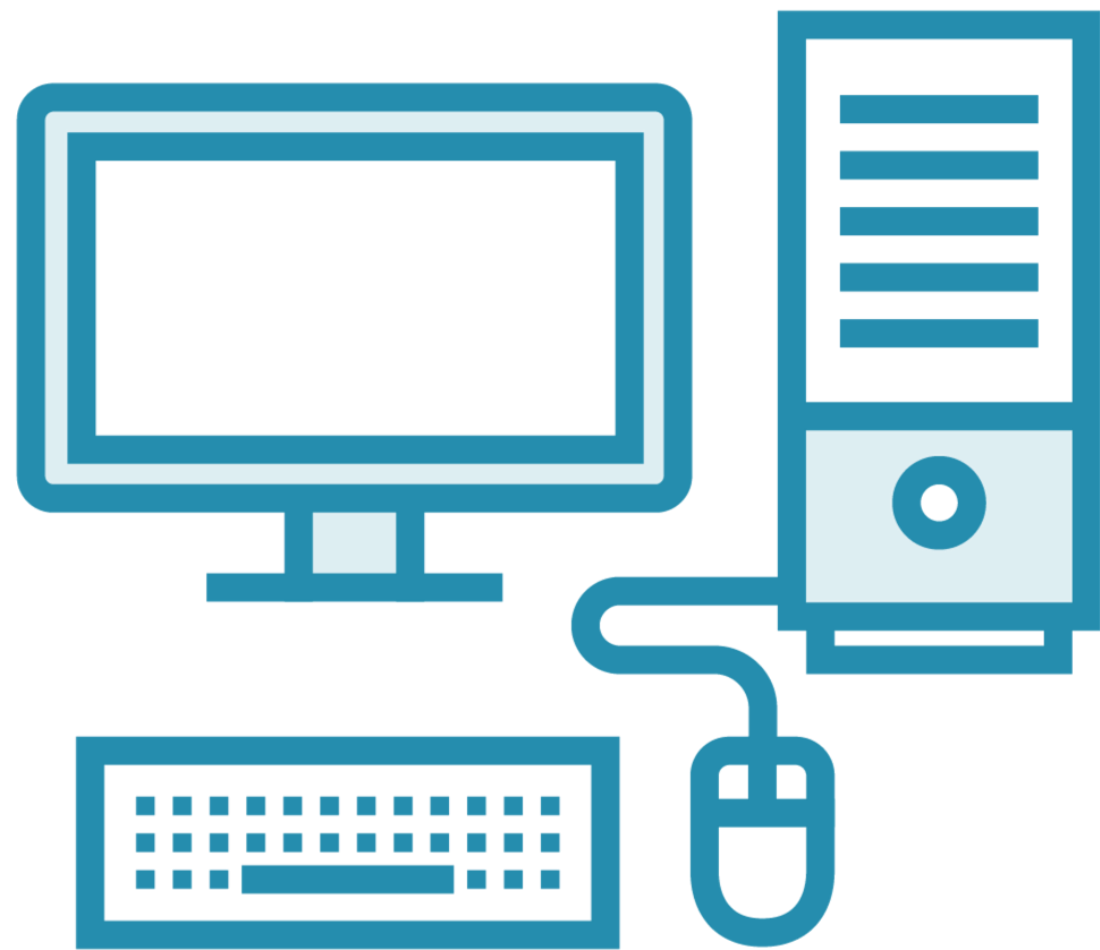


Changes in Risk

- 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

