

Certified Class 1
Information
Systems Security
Professional

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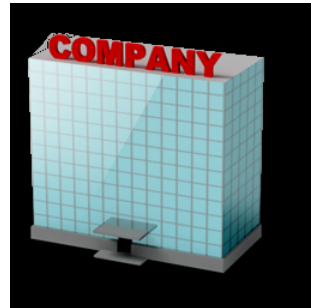
Security and Risk Management

CISSP Domain1

Introduction to Information Security

CISSP Domain1

- Technology
- Business Plans and Environment



Technology

CISSP Domain1

Platforms and Tools

Network Connectivity

Level of IT complexity

New Security tools

Operational support for security

Cybersecurity

CISSP Domain1

What is Cybersecurity?

Protects enterprises from intentional attacks, breaches, incidents, and consequences.

Protects information assets by addressing threats.

Difference Between Information Security and Cybersecurity

Information Security

Encompasses paper documents, digital data and intellectual property.

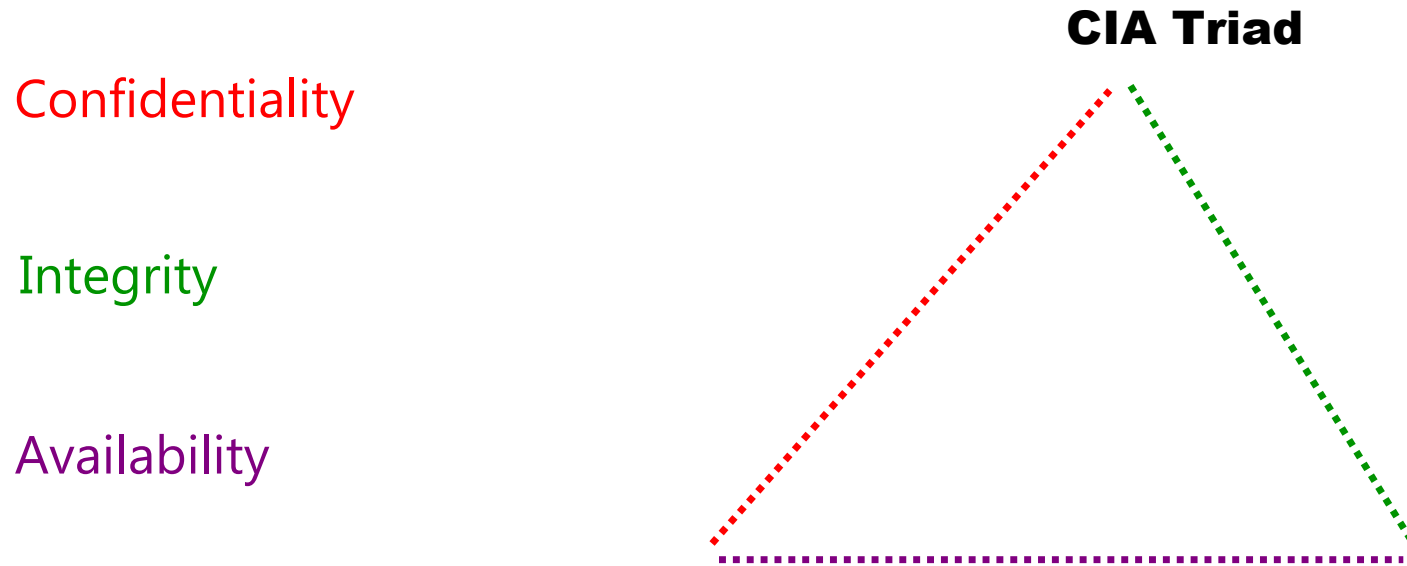
CyberSecurity

It is a component of information security.

CISSP Domain1

Understand and Apply Security Concepts

CISSP Domain1



Confidentiality

Confidentiality is the **concept** of the **measures** used to ensure the **protection** of the **secrecy of data, objects, or resources**.

The goal of confidentiality protection is to prevent or **minimize unauthorized** access to **data**.

Integrity

Integrity is the concept of protecting the **reliability** and **correctness** of data.

Integrity protection **prevents unauthorized** alteration of data.

Confidentiality

Confidentiality and integrity depend on each other. without object integrity confidentiality cannot be maintained.

Integrity

Integrity is dependent on confidentiality and access control.

Availability

Availability means authorized subjects are granted timely and uninterrupted access to objects.

There are numerous threats to availability

- Device failure
- Software error
- environmental issues

Availability depends on both integrity and confidentiality.

