

Security Architecture & Models

CISSP Prep Course



Domain Definition

- The concepts, principles, structures and standards used to design, implement, monitor, and secure operating systems, equipment, networks, applications, and those controls used to enforce various levels of availability, integrity and confidentiality



Introduction

- ❑ Balance between capability, flexibility, performance, ease of use, cost business requirements, and security
- ❑ Security should be a requirement from the beginning (Security Design) Security can influence the design process
- ❑ A view of overall system architecture from a security perspective
- ❑ Hardware, operating system, applications and network

Security Architecture and Model Goals

- Confidentiality
 - Protection from unauthorized access - disclosure
- Integrity
 - Protection from intentional or accidental change - alteration
- Availability
 - Protection from interruption or destruction

