


Security Issues

Security in Hardware

Security Issues in Hardware: Computer is used as an active tool to conduct the attack on another. Computer itself a identity to attack. It may be Direct (when hacker use personal computer) or Indirect (use network computer). There is a need of security and is also feasible to access the information for its application. Information Security should balance protection and availability.



Data Storage and Downloadable Devices.

Physical components or material where data is stored are called Storage media.

Storage Devices

- a) Magnetic storage: CD, Hard disk
- b) Optical Storage: DVD ROM CDR

Downloadable Device

The Device which you can download

- a) Audio
- b) Video
- c) Lectures
- d) Online access of application

CCTV(Closed Circuit TV)

- ▶ It is Monitoring Device
- ▶ It has Cameras, Transmitter, Receivers , recording System and a monitor.
- ▶ The camera captures the data and transmits to a receivers which allows the data to be displayed on a monitor .
- ▶ The data are recorded so that it can be reviewed later .
- ▶ Intrusion Detection devices are used to sense changes that take place in an environment.
- ▶ IDS are used to detect unauthorized entries and to alert a responsible entity to repond

Access Control

- ▶ Protecting what needs to be protected in a given technology
- ▶ Access control is the heart of Information security

Access Control



- ▶ The basic concepts are Identification, Authentication, PIN Value, Biometric, one time password, password, Authorization, and Accountability.
- ▶ It has web server and directory.
- ▶ Access is integrated with web browser, policy manager, policy data bases and services.

Types of Access Controls

1.Administrative control:

Define roles, responsibilities, policies, functions to manage the control environment.

2.Technical controls

Use Hardware and s/w to implement access control

3. Physical Control

Ensure safety and security of the physical environment



Thank you!

