



Information Security Systems

EC-615-F

Lecture No 1

Topics To be Covered

- ❖ Basic concepts of Information Security
- ❖ Security Tools

Introduction

Information security is defined as methods and technologies for deterrence (scaring away hackers), protection, detection, response, recovery and extended functionalities

Generic Security Principles

Generic Security System

Deterrence
(Scare away)

Protection

Detection

Response

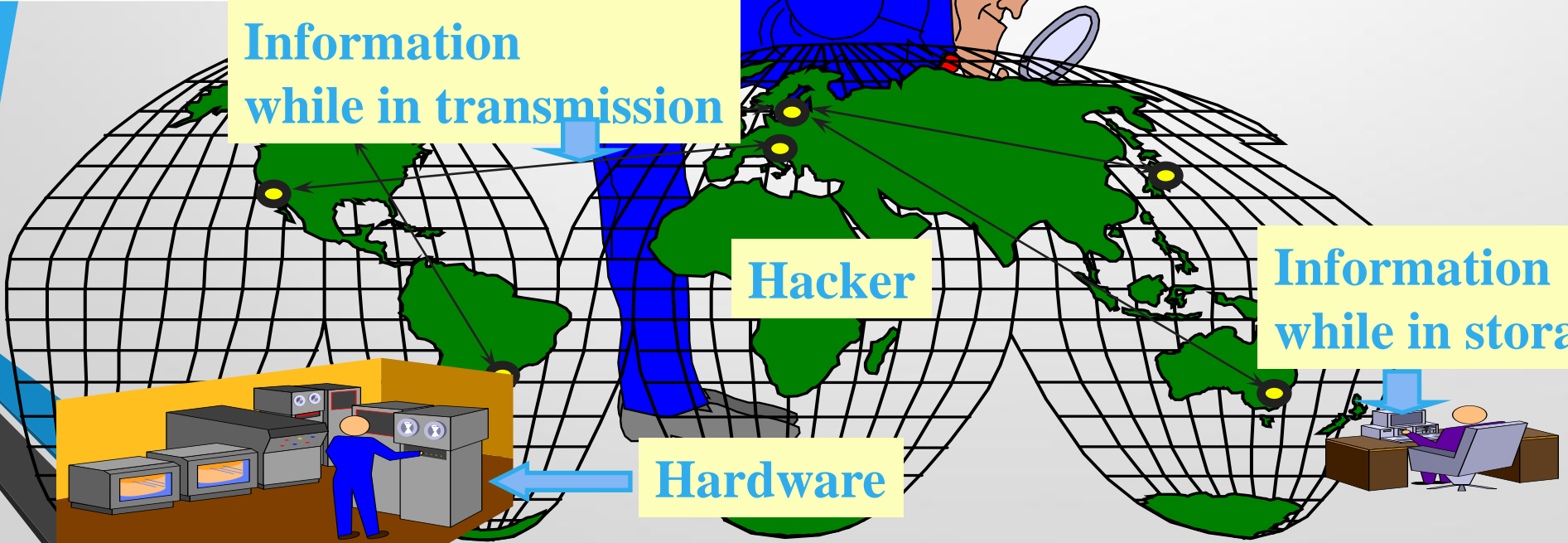
Recovery

Information
while in transmission

Hacker

Information
while in storage

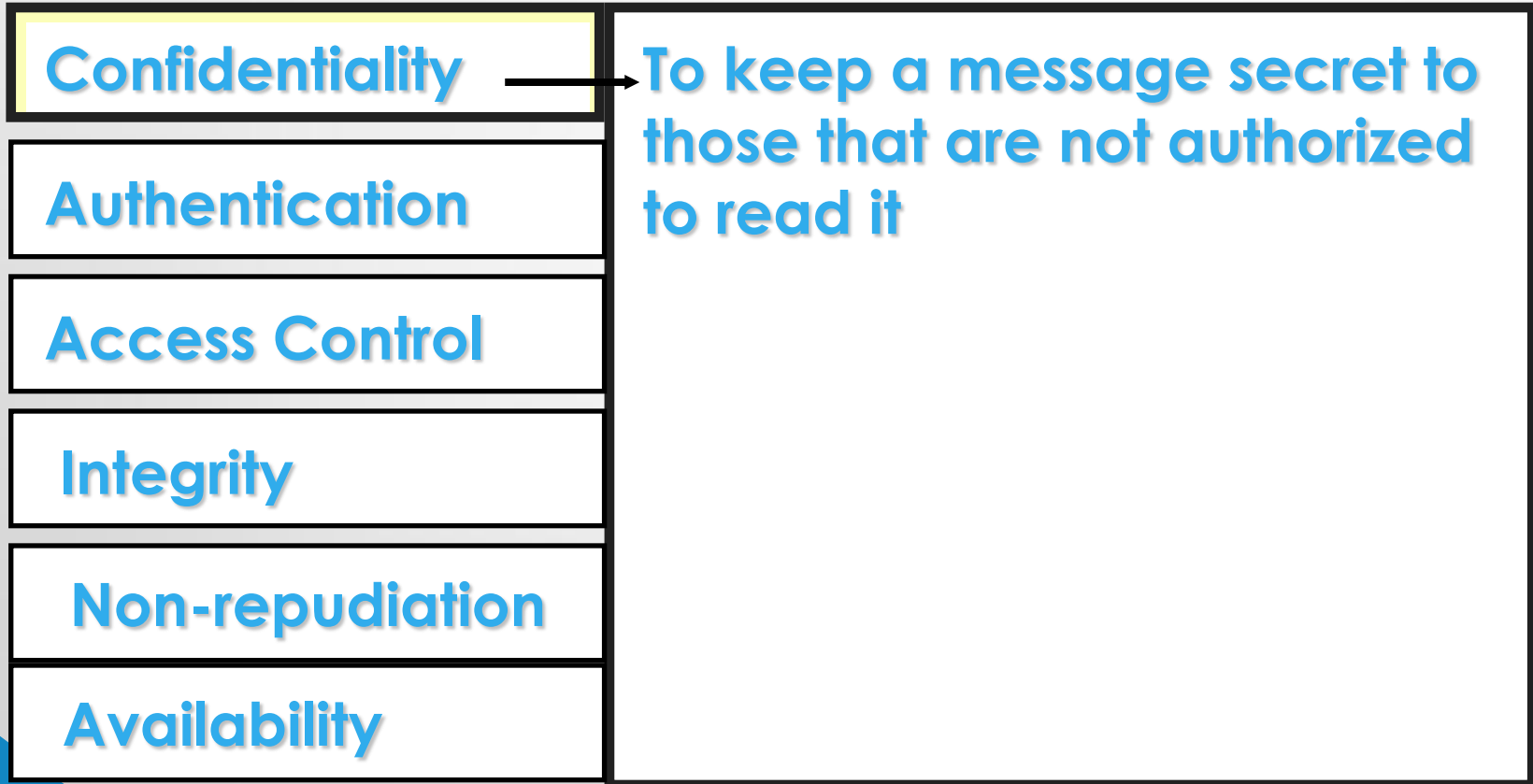
Hardware



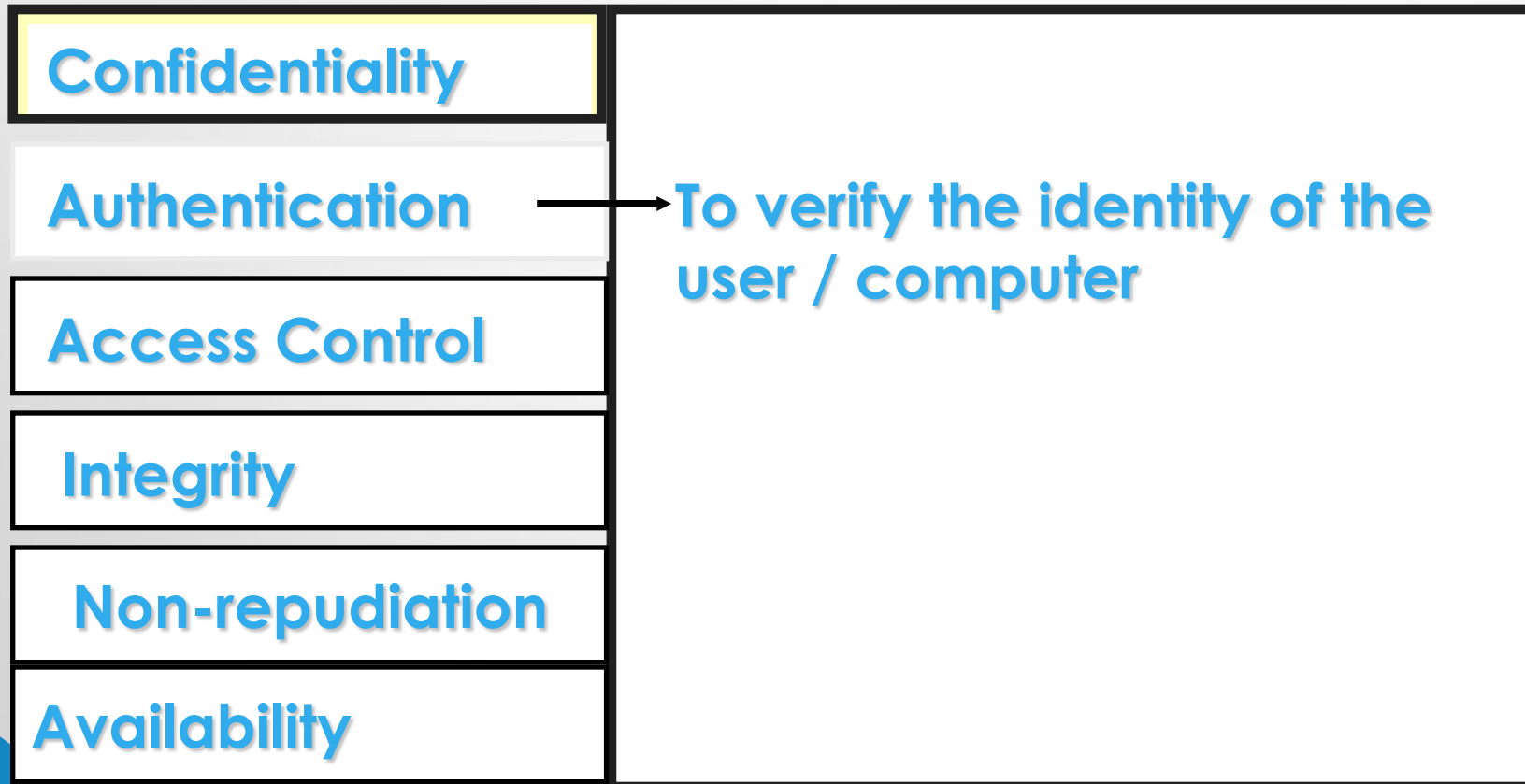
Security Tools

- Security Services
- Overview of Existing Security Tools

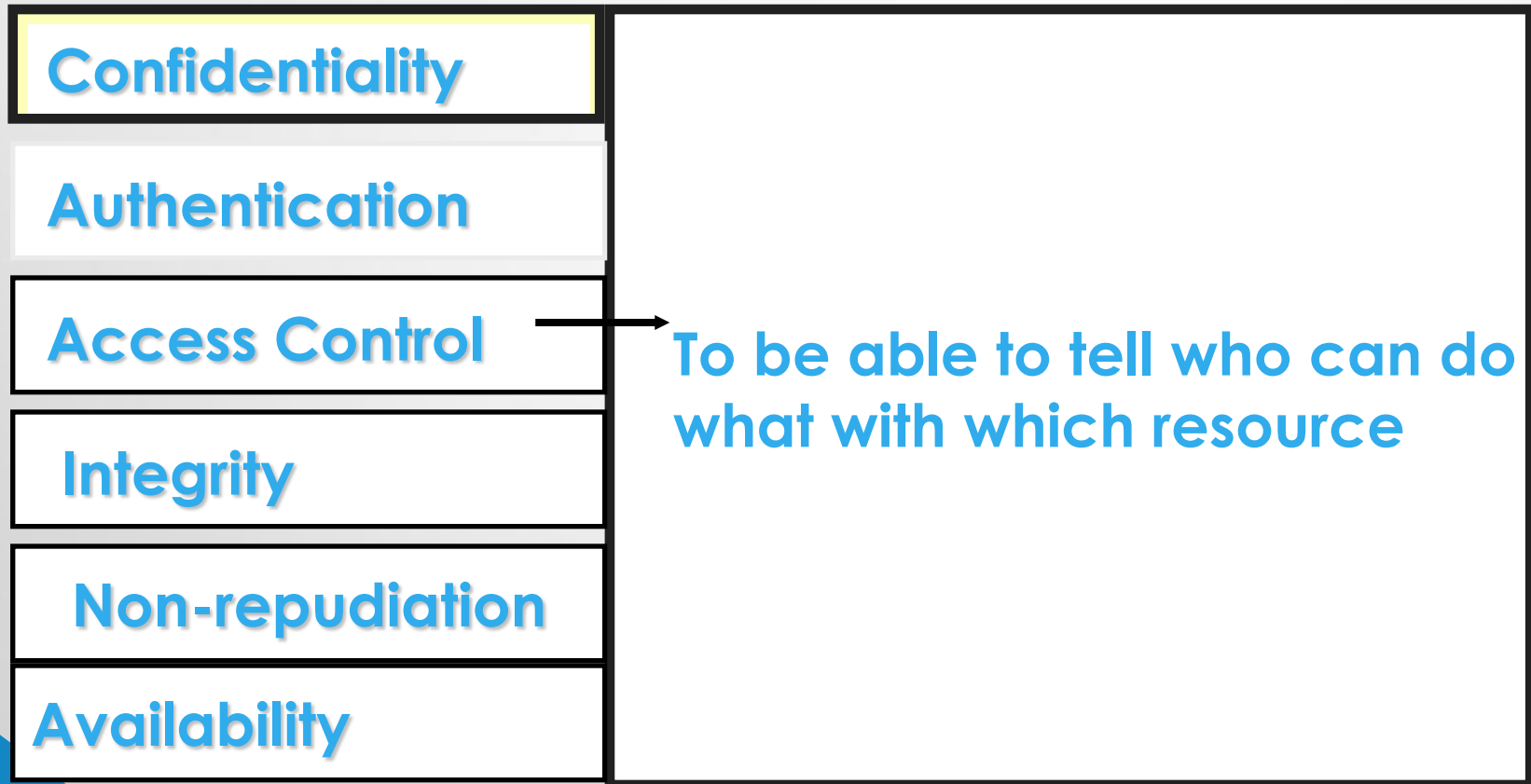
Security Services : Confidentiality



Security Services: Authentication



Security Services: Access Control



Security Services: Integrity

