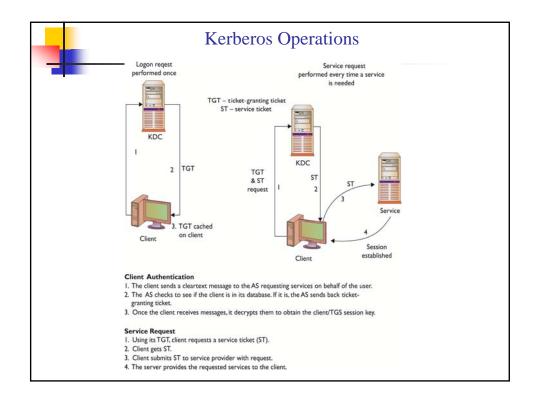
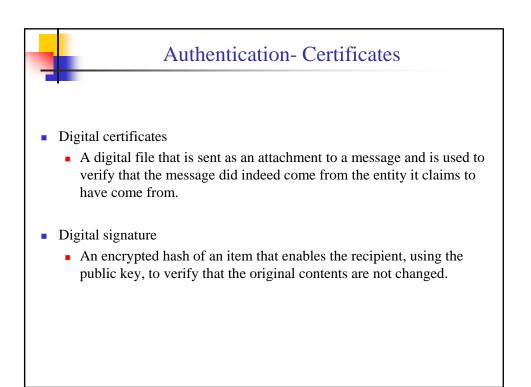
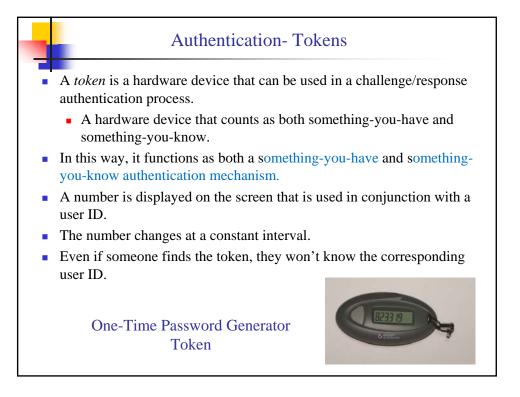
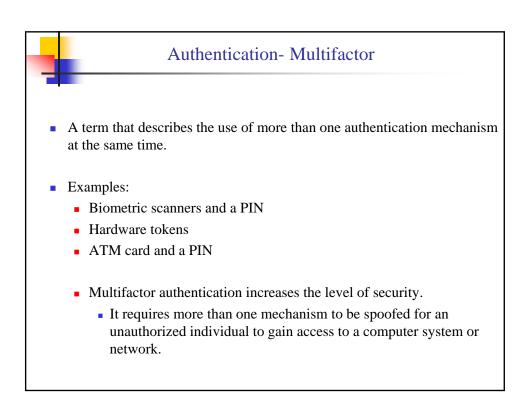


• Tickets are time-stamped, and cannot be reused.



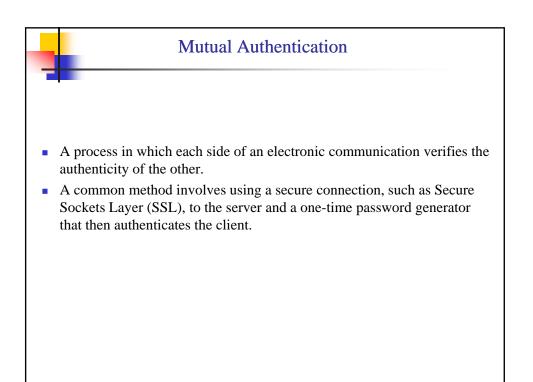


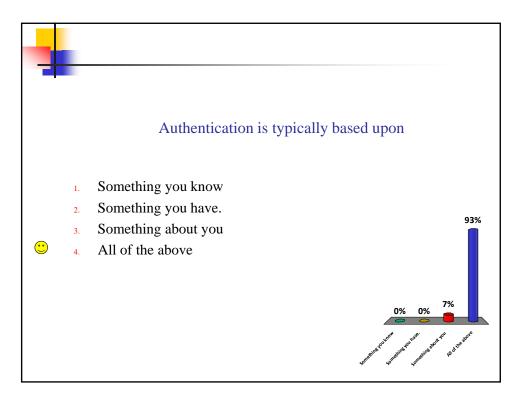


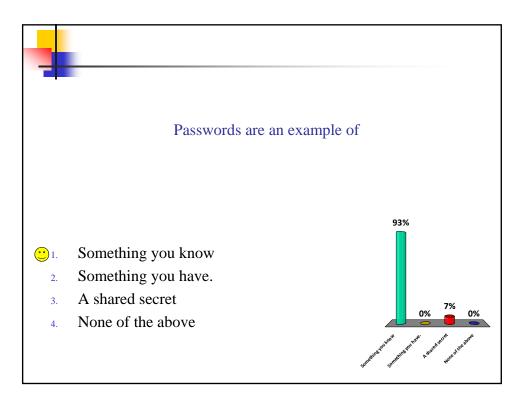




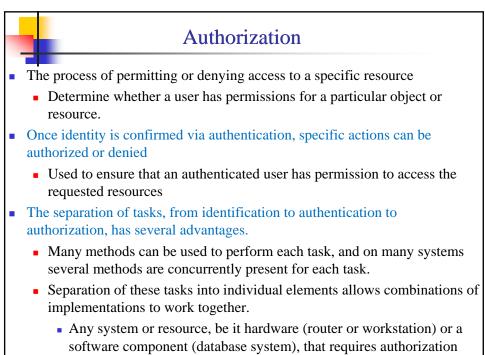
- As more and more systems are combined in daily use, users are forced to have multiple sets of credentials.
- A user may have to log into three, four, five, or even more systems every day just to do her job.
- A form of authentication that involves the transferring of credentials between systems.
- Single sign-on allows a user to transfer her credentials, so that logging into one system acts to log her into all of them.
- Advantage- Reduces login hassles:
 - Fewer usernames and passwords to remember
- **Disadvantage-** Inherently less secure:
 - If a login is compromised for one system, all systems the user can access are also compromised



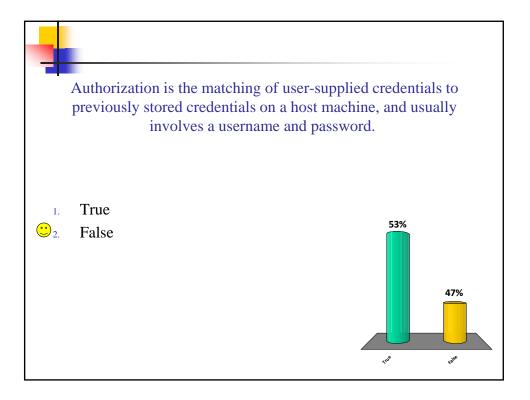


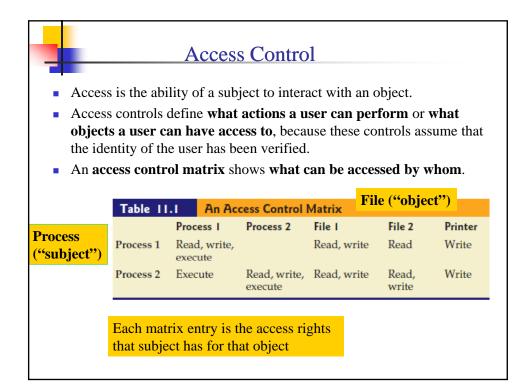


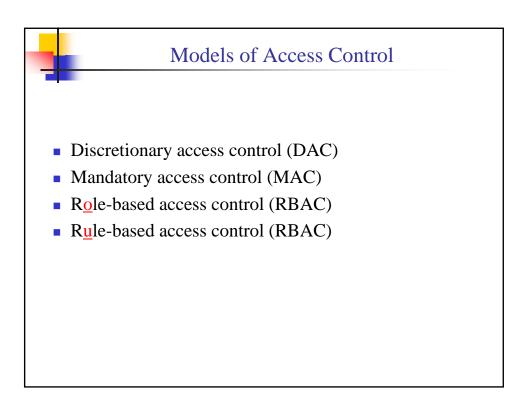


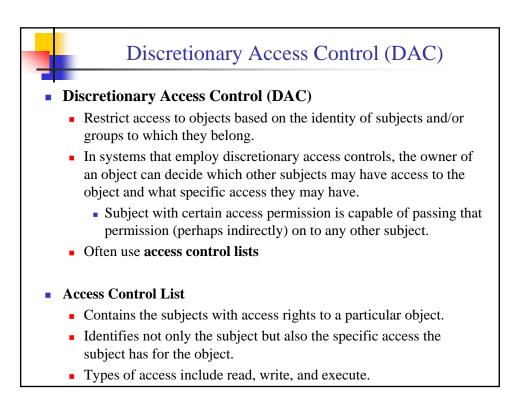


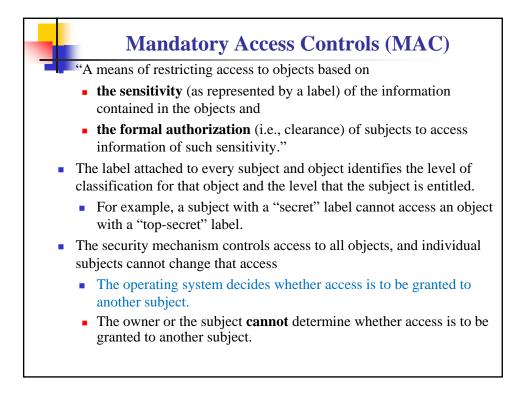


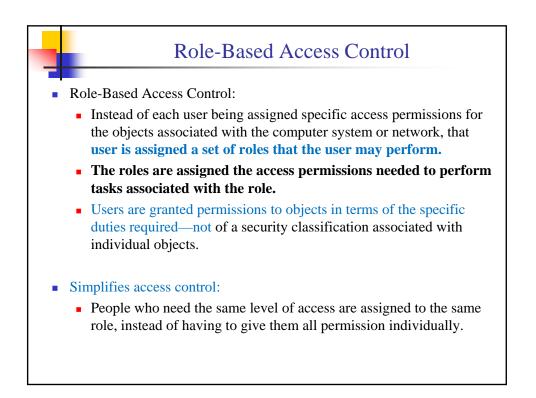


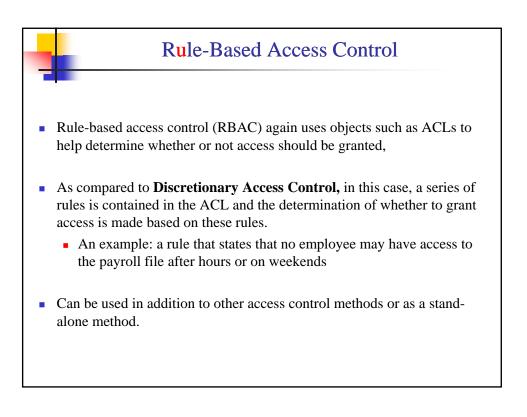


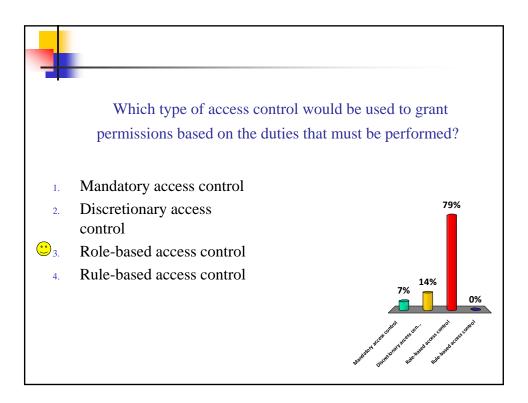


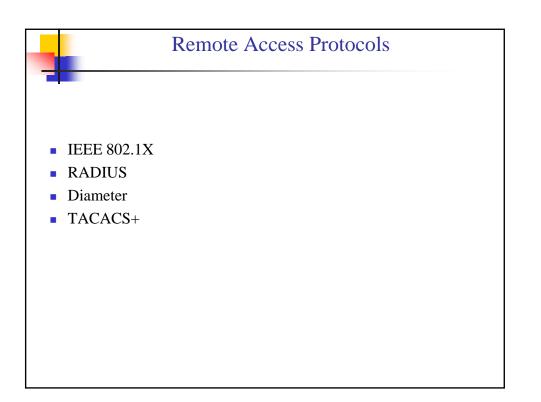














- Describes methods used to authenticate a user prior to granting access to network and the authentication server, such as a RADIUS server.
- Once a client successfully authenticates itself to the 802.1X device, the switch opens ports for normal traffic.
 - At this point, the client can communicate with the system's AAA method, such as a RADIUS server, and authenticate itself to the network.
- 802.1X acts through an intermediate device, such as an edge switch, enabling ports to carry normal traffic if the connection is properly authenticated.

• This prevents unauthorized clients from accessing the publicly available ports on a switch, keeping unauthorized users out of a LAN.

