

Network Essentials Chapter 11 Review

Name _____

1. A small network comprises a few users, one router and one switch.
2. When designing a small network, selection of devices depends a few factors, such as,
 - Costs of devices
 - Number of ports needed in a device
 - Speed of device
 - Expandability of device
 - Manageability of device
3. An IP addressing scheme should be planned, documented and maintained.
4. Redundancy means having more equipment than normally needed, such as back-up servers, standby power supplies, etc. Redundancy helps to eliminate single points of failure, and improve reliability of network. But it also means higher operating costs.
5. Protocol analysis can help manage network traffic more efficiently.
6. Threats to Network Security include:
 - Information theft
 - Data lose
 - Data manipulation
 - Identity theft
 - Disruption of service
7. DoS (Denial of Service) attacks prevent authorized personnel from using a service, and causes a system to use up its resources.
8. Anti-virus software can detect most viruses and prevent them from spreading in a network.
9. A fire wall resides between two or more networks, and controls traffic to prevent unauthorized access. Methods used in firewalls include packet filtering, application filtering and URL filtering.
10. A strong password combines alphanumeric characters and special symbols.
11. SSH stands for Secure Shell.