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Switch:

* Messages don’t collide
* MAC address
* Port monitoring

VLAN

Load Balancer:

* Distributes load
* Performance improvement

Fashion:

* Round robin
* Affility
* Performance
* Scheduling

Configuration:

* Active-passive
* active-active

Firewalls & Proxy Servers:

* NAT - Network Access Terminal
* Firewalls provide security

UTP - Unshielded Twisted Pair

STP - Shielded Twisted Pair

SCTP - UTP+STP

CISCO PING response codes:

* DNS - UDP - 53
* SMTP - 25(TCP)
* POP3 - 110(TCP)
* IMAP - 143(TCP)
* SNMP - Simple Network Management Protocol
* FTP (TCP) - data carry port: 20, command port: 21
* TFTP: Trivial File Transfer Protocol - UDP- port 69
* SFTP: Encrypts data
* Telnet: port 23: doesnt provide security
* SSH - Secure shell: port 22: secures channel

2 modes of NetBios: 1. Session mode 2. Datagram mode