Switch:

By default filter করে।
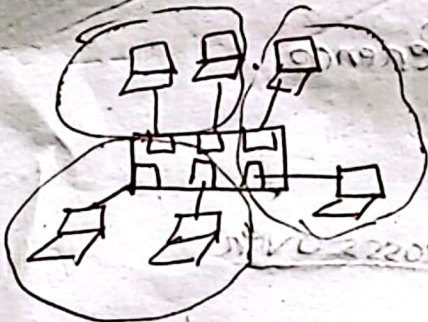
— message collide করবে না।
— Mac Address.
— Port Mirroring. (Monitoring port).
— Packet add করেও লাভ নাই।

VLAN:

Load Balancer:

— Load কে distribute করে।
— Performance improve-এর জন্য।

Fashion:

— Round Robin
— Affinity.
— Performance
— Scheduling.

Configuration:

— Active- Passive (more common)

— Active- Aactive

Virtual IP

Firewalls & Proxy Servers: → NAT → Network Access Translation

— Firewalls security fire,

UTP	STP
Unsheild twisted pair	Sheild twisted pair.

কি দিয়ে Packet যায়

SCTP = UTP + STP.
└ hybrid.

→ Gigabyte ethernet কে support দিল,

UTP → Standard → Cat 5E

voice telephone → cat 1

* Cat 5 ও Cat 5E — এর difference.

Straight through

— Different Device

Cross over

→ Same device হলে.
└ Router Itself-a computer.

AFRINIC → Africa-র Public Adress.

Ping → Network layer - এ

Telnet → Application ,, -এ

PING → Packet Internet knoper.

NAT ← Network Access Translati...

Cisco PING Response Codes:

DNS → UDP → 53

SMTP → 25 (TCP)

    POP3 → 110 (TCP)

    IMAP → 143 (TCP)

IMAP
___
Folder
রাখে।

POP3
___
Folder তৈরী করতে পারেনা

SNMP → Simple Network Management Protocol.

FTP (TCP) → Data Carry port 20
              Command port 21.

TFTP (Trivial File Transfer Protocol). → UDP → port 69.

SFTP (Data Encrypt করে)

Telnet TCP port 23 → Security দেয় না।

SSH → Secure Shell port 22 → channel Secure করে।

NTP →

NetBios-এর ২টা mode.

        → Session mode
        → Datagram mode.