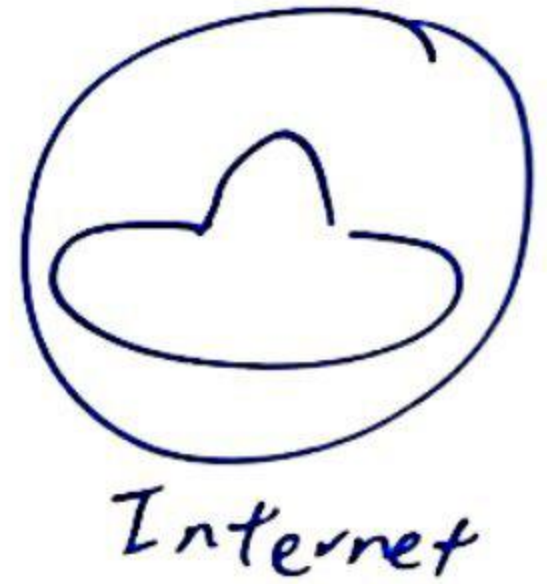
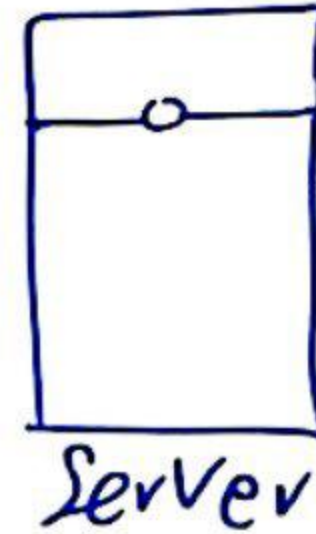
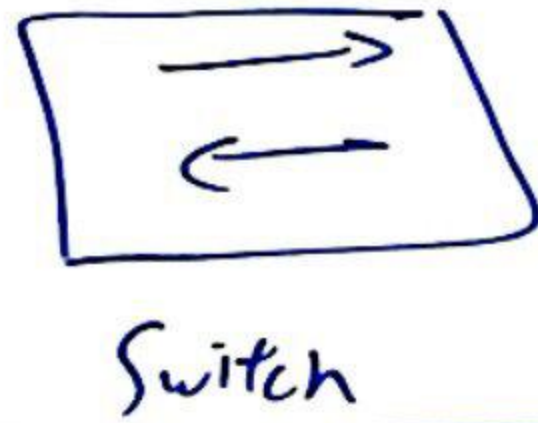
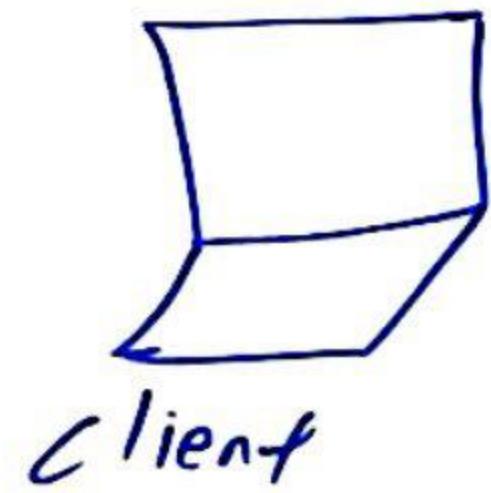
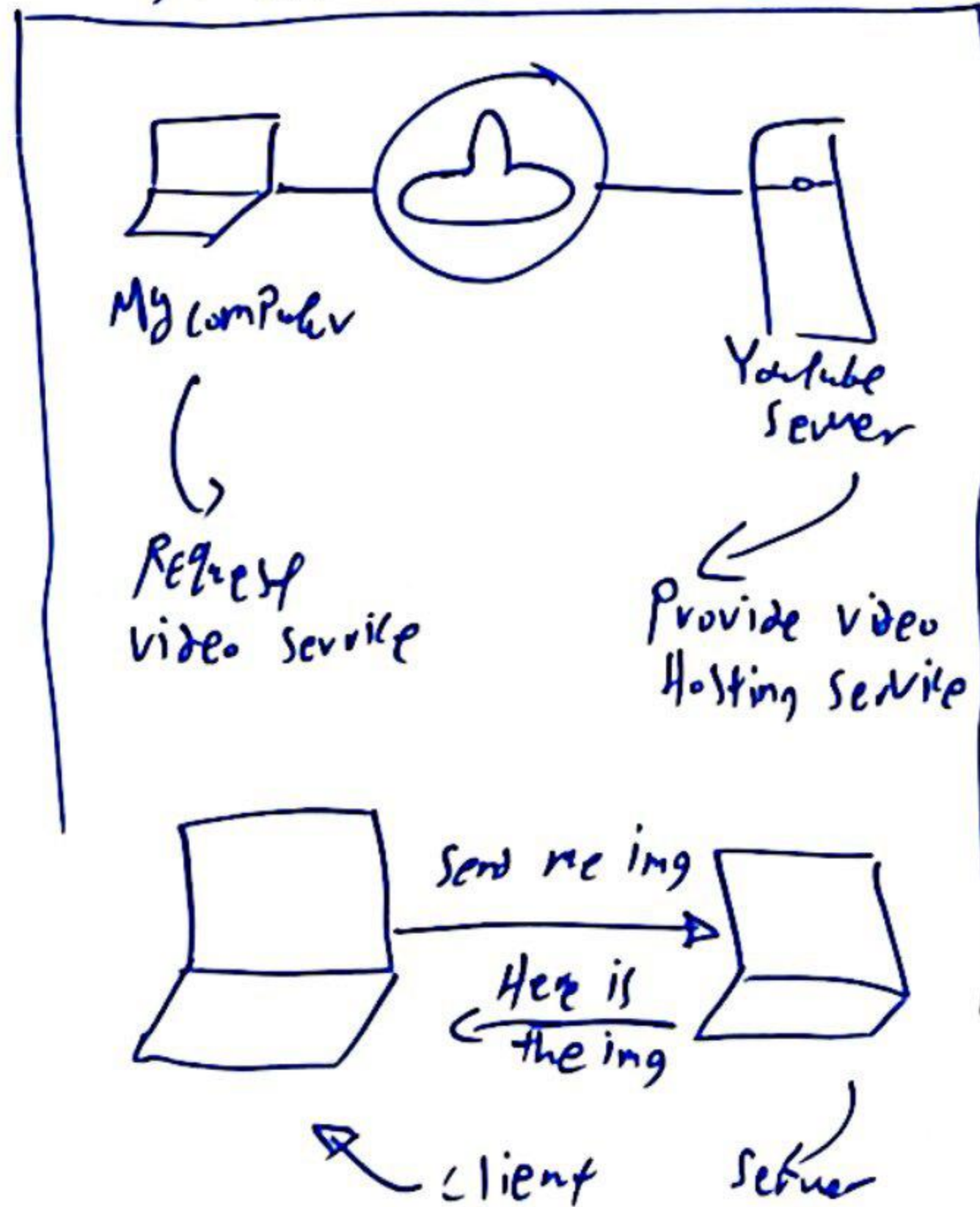


Computer Network : Digital telecommunications Network which allows
Nodes to Share Resources



Device that access
a service made
Available by a server



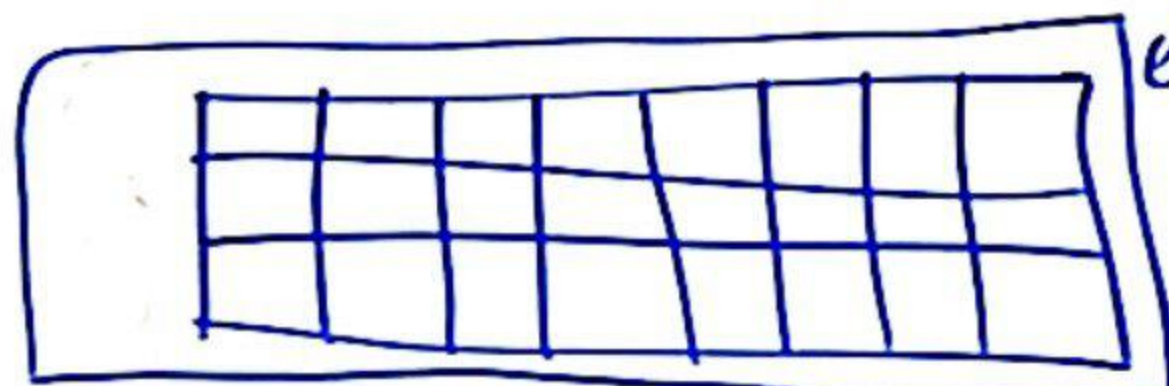
Device that
Provide function
or services

Network Nodes

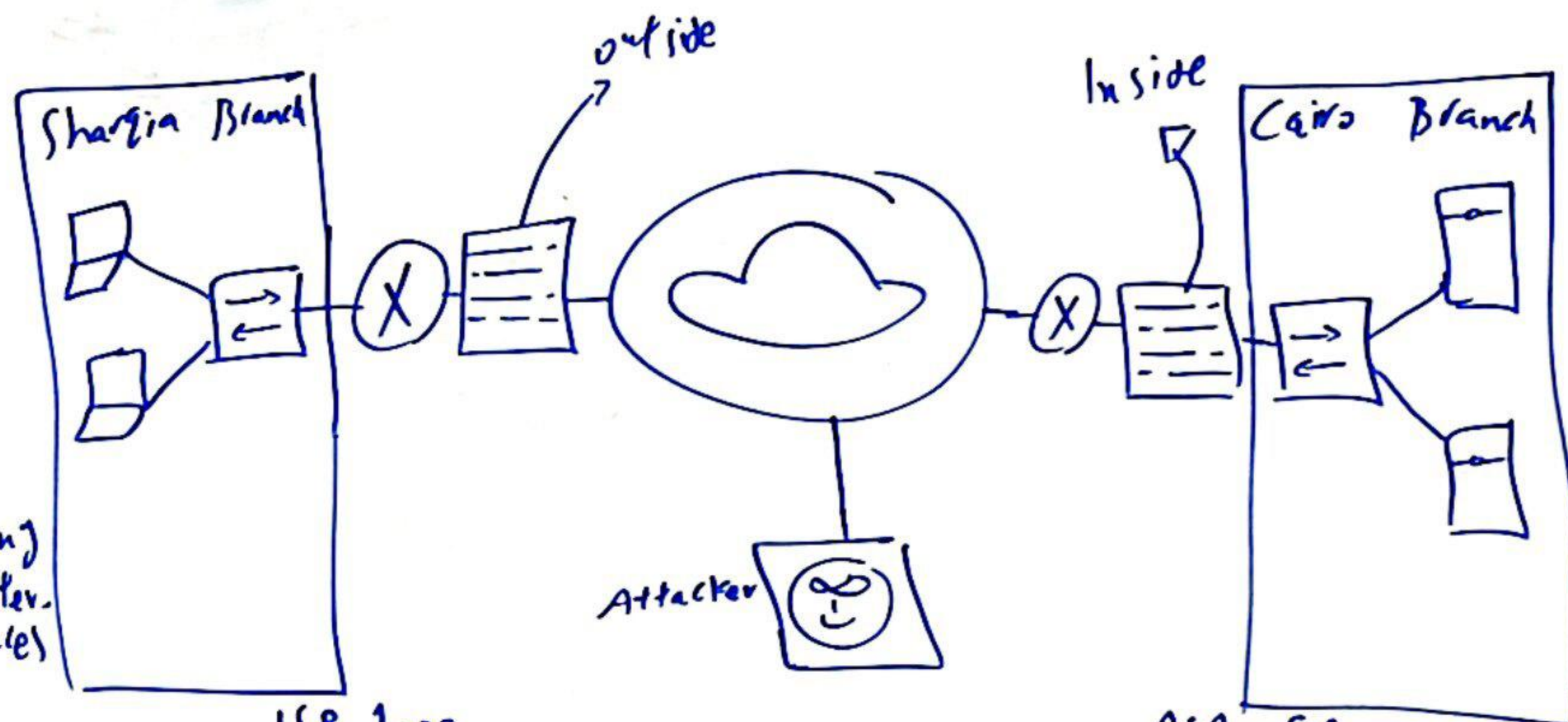
Client Server

Switch Catalyst 9200
Catalyst 3650

- * Have many Network Interfaces to allow hosts to connect to (24+)

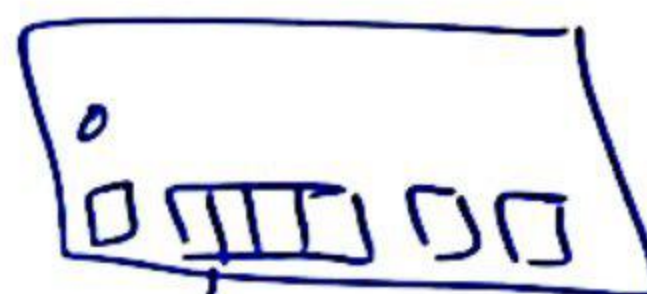


- * Provide connectivity to hosts within the same LAN
- * Don't provide connectivity between LANs or over the internet



Router ISR 1000
ISR 900
ISR 4000

- * have fewer Network Interfaces
- * Used to provide connectivity between LANs



fewer interfaces

Firewall ASA 5500-X
FirePower 2100

- * monitor and control Network Traffic based on configured rules
- * Can be placed inside/outside the Network
- * when they provide modern & advanced filtering capabilities they are known to be

Next-Generation Firewalls

Firewalls

Network
Firewall

< Host based Firewall

* Hardware Devices that
filter traffic between
Networks

* Software application
that filter traffic
entering or exiting
a machine like a PC

