Internship day-1

Servers and PCs are connected to the switch.

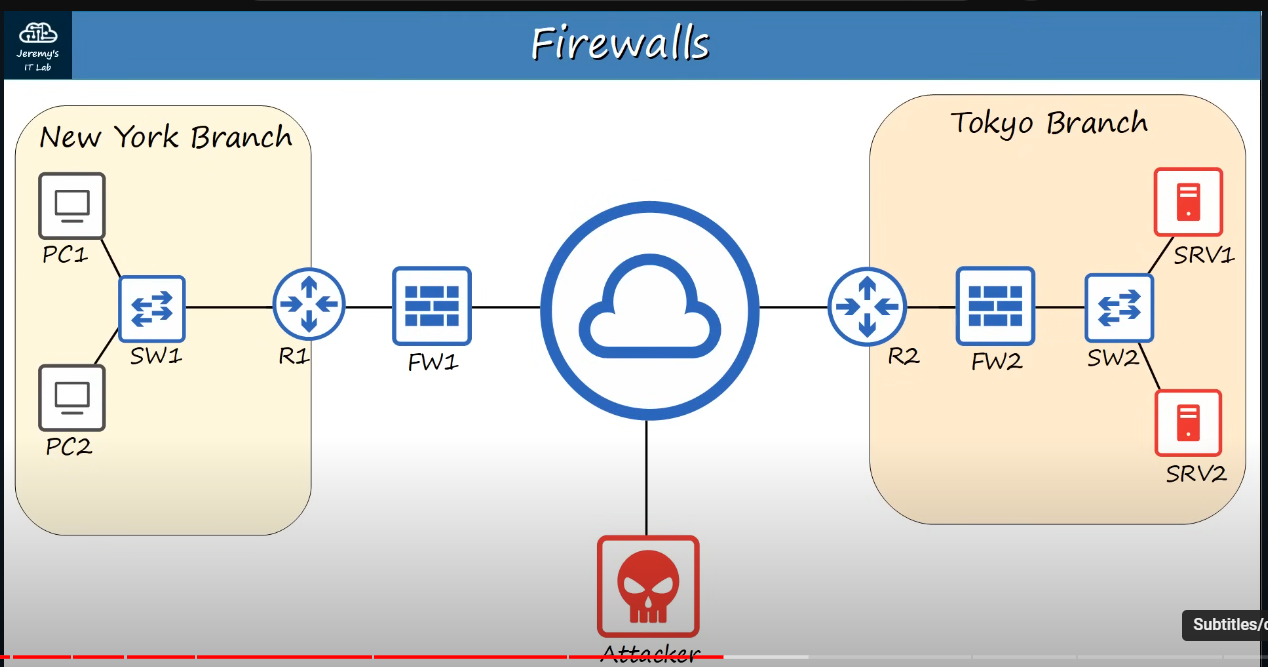
CISCO catalyst switch : Catalyst 9200 , Catalyst 3650

Router is used to connect the switches between two different LANs or two branches (Tokyo and Newyork)

CISCO router : ISR 1000, ISR 900, ISR 4000

Routers have few network interfaces than switches.

Note: Switches are used to forward data within a LAN. Routers do the opposite. Routers are used to provide connectivity between LANs. Routers are therefore used to send data over the Internet.



**Networking Firewalls:**

Firewalls are specialty network security devices that control network traffic entering and exiting your network. Firewall can be places outside of your router like FW1, or inside of network like FW2.

CISCO Firewalls : ASA5500-X, Firepower 2100(next generation firewall).

Firewalls monitor and control network traffic based on configured rules.

Firewall are known as “Next-Generation Firewalls” when they include more modern and advanced filtering capabilities.

**Host-Based Firewalls:**

Host-based firewalls are software applications that filter traffic entering and exiting a host machine, like a PC.