DAY 1 - Network Devices

Purinat33
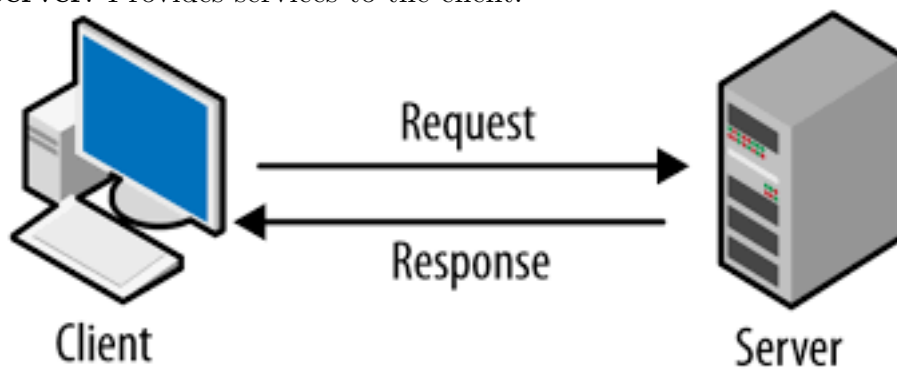
Networking Devices

Networking allows devices (`nodes`) to communicate.

Types of Nodes:

1. End Host or Endpoint:

1. **Client**: Accesses services from the server.
2. **Server**: Provides services to the client.

2. Intermediate:

1. **Switch**: Routes traffics **within** the same Local Area Network (the same `LAN`)

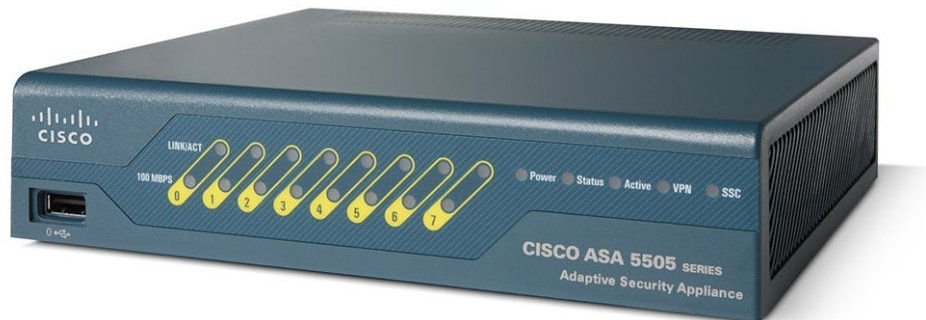   - e.g. Cisco *Catalyst* Series

2. **Router**: Routes traffics **between** other networks (other LANs)

   - e.g. Cisco *ISR* Series

3. **Firewall**: Monitor and filter traffics based on set of rules. Can be placed *outside* or *inside* a LAN
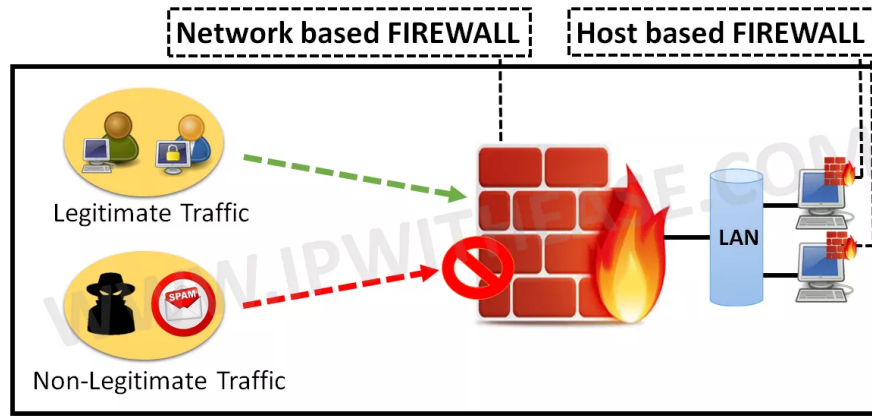
   - e.g. Cisco *ASA* series (**Classic**)

   - e.g. Cisco *Firepower* series (**Next-Generation**)

   - **Network** vs. **Host-based** Firewall:

- **Network-Based** are hardware firewalls that filter traffics entering a network.
- **Host-Based** are software that filters traffics entering or leaving a *host*.
  * **Host-Based Firewalls** are <u>outside</u> the scope of CCNA.

Packet Tracer Activity