

# DAY 1 - Network Devices

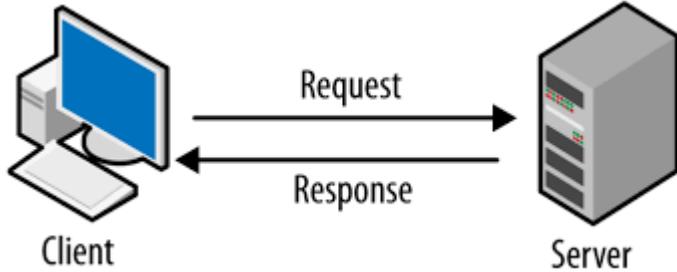
## Networking Devices

**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

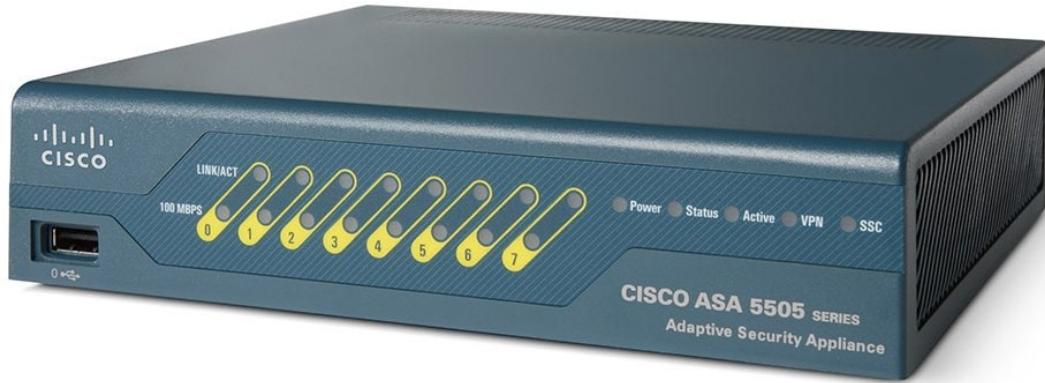


2. **Router:** Routes traffics **between** other networks (other LANs)
  - e.g. Cisco *ISR* Series



3. **Firewall:** Monitor and filter traffics based on set of rules. Can be placed *outside or inside* a LAN

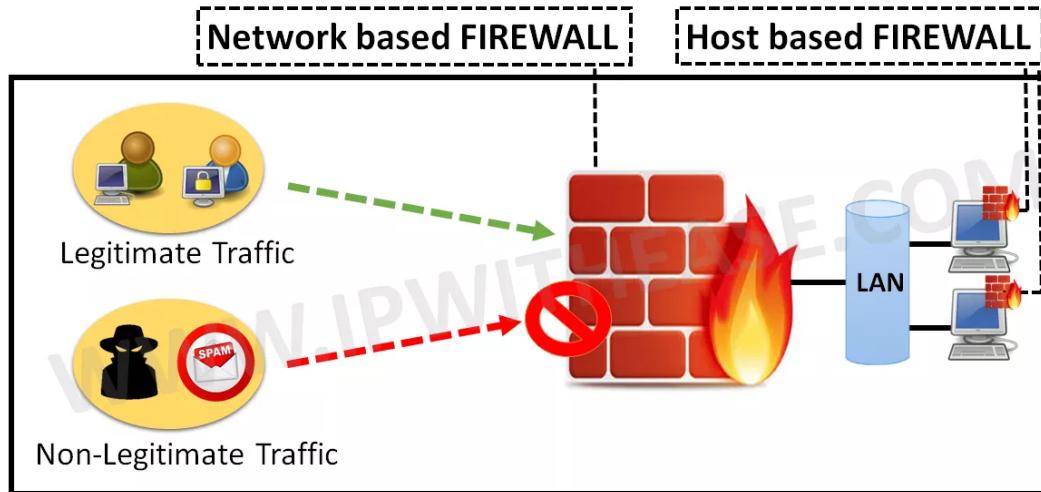
- e.g. Cisco ASA series (**Classic**)



- 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 outside the scope of CCNA.

## Packet Tracer Activity

