📖 **Notes 08-25-2025**

- **Cisco RV340**

  - VLAN10 interface at 172.20.10.254/24

  - Default route → pfSense (10.10.10.1)

  - DHCP disabled

- **pfSense**

  - WAN → ISP (192.168.0.x)

  - LAN → 10.10.10.1/24 uplink to RV340

  - Firewall/NAT rules for VLAN10 → WAN

- **Cisco 3560**

  - EtherChannel uplinks (RV340 + ESXi hosts)

  - Access ports for clients (VLAN10)

- **Windows DHCP (dm-keel)**

  - Scope: 172.20.10.100–200

  - Gateway: 172.20.10.254

  - DNS: 172.20.10.100

- **Verification checklist**

  - Client gets DHCP from 172.20.10.101

  - Default gateway = 172.20.10.254

  - Ping pfSense, ping 8.8.8.8, confirm DNS