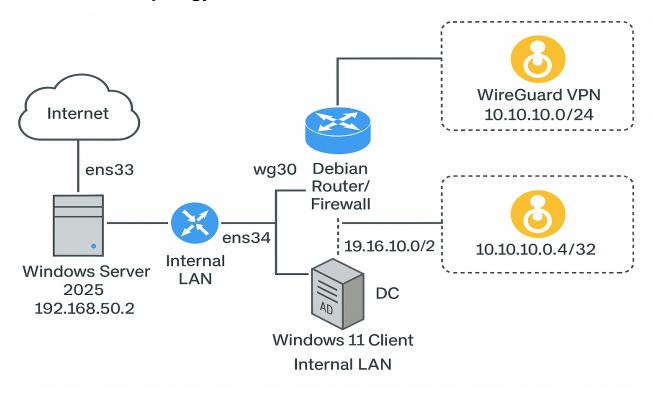
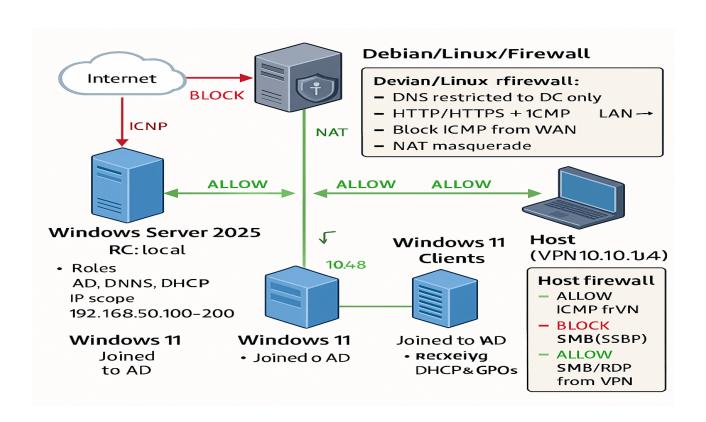
## **Corporate Lab – Security Map & Topology**

This document summarizes the lab's topology and layered security (Debian nftables + Windows Host Firewall).

## **Technical Topology**



**Visual Topology** 



## **Security Map (Rules Overview)**

**ICMP**: Allowed LAN↔LAN and VPN↔VPN; blocked from Internet→LAN.

DNS: Only DC (192.168.50.2) may query external DNS via Debian; clients use DC DNS.

HTTP/HTTPS: Allowed from LAN to Internet for web access.

NAT: Masquerade on Debian (`ens33`) for LAN and VPN outbound traffic.

WireGuard: UDP 51820 allowed; peers: DC (10.10.10.2/32), Win11 (10.10.10.3/32), Host

(10.10.10.4/32).

**Windows Host Firewall**: ICMP allowed only from 10.10.10.0/24; SMB(445)/RDP(3389)/SSH(22, optional) allowed from VPN only.

## **Defense in Depth**

Layer 1 (Debian): perimeter enforcement with nftables, NAT, and VPN termination. Layer 2 (Windows Host): endpoint firewall restricting management services to VPN-only. Together they implement corporate-grade segmentation and least privilege.