7. Wireguard VPN

Introduction

**Login**

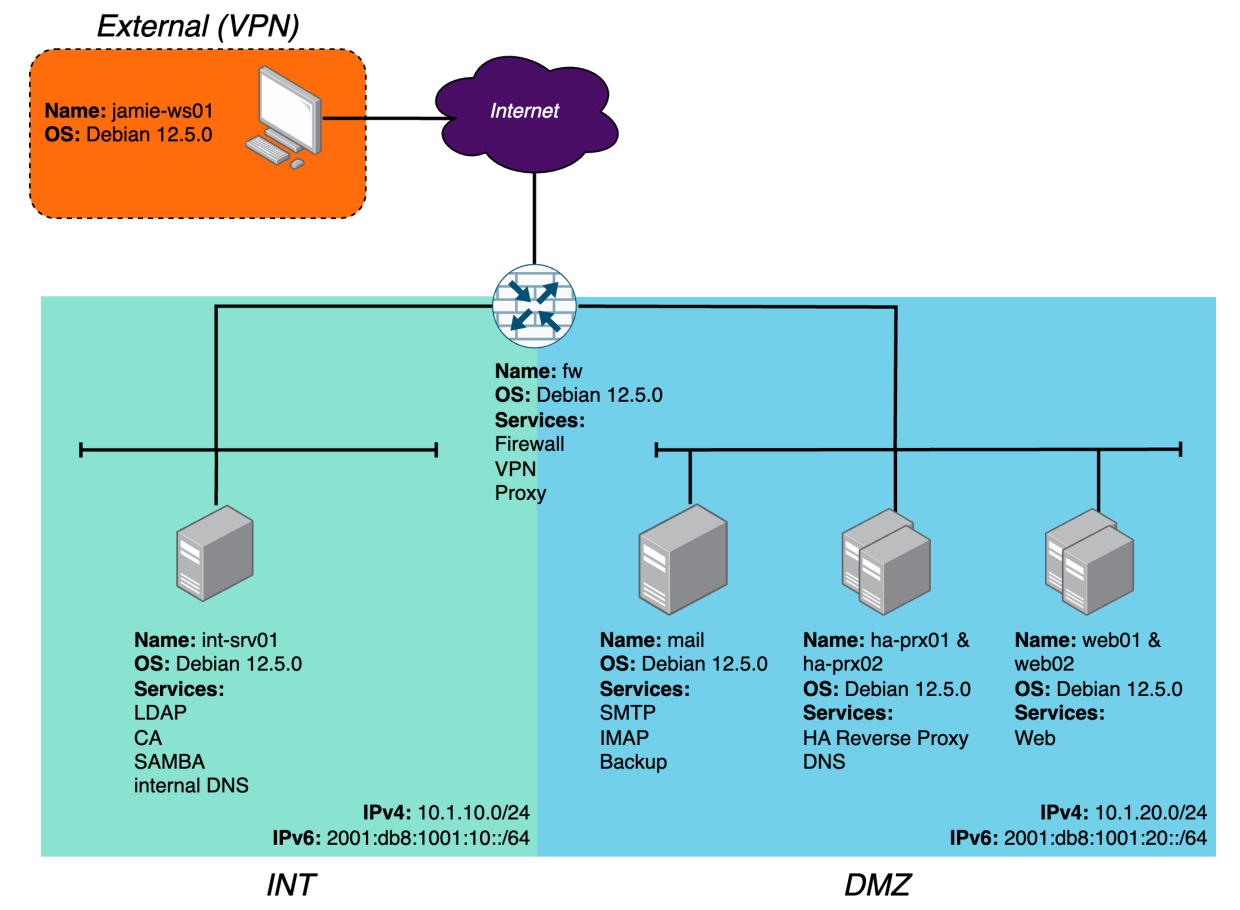
The login credential for all server and client machines:

Username: root / user

Password: Skill39@Lyon

**Network Topology**

This will be the network topology that will be referenced for setting up the infrastructure.



We will be configuring Wireguard VPN connection between fw and jamie-ws01.

**Install wireguard on fw and jamie-ws01**

apt install wireguard-tools -y

## fw

**Generate keys**

wg genkey | tee /etc/wireguard/server.key

cat /etc/wireguard/server.key | wg pubkey | tee /etc/wireguard/server.pub

wg genkey | tee /etc/wireguard/client.key

cat /etc/wireguard/server.key | wg pubkey | tee /etc/wireguard/client.pub

**Copy the key to jamie-ws01**

scp /etc/wireguard/server.pub root@1.1.1.20:/etc/wireguard

scp /etc/wireguard/client.key root@1.1.1.20:/etc/wireguard

**Configure wireguard**

vim /etc/wireguard/wg0.conf

systemctl restart wg-quick@wg0

systemctl enable wg-quick@wg0

## jamie-ws01

vim /etc/wireguard/wg0.conf

systemctl restart wg-quick@wg0

systemctl enable wg-quick@wg0

**Test:**

fw:

****

Client: