Heading 2: LAN & DHCP Setup

Topic 2.1 – Assigning LAN IP to Bridge/LAN Interface

Step 1: Assign IP to LAN (Bridge or Single Interface)

CLI:

/ip address add address=192.168.10.1/24 interface=bridge1

(If not using a bridge, assign to ether2 directly)

/ip address add address=192.168.10.1/24 interface=ether2

Winbox:

- Go to IP → Addresses → Add (+)
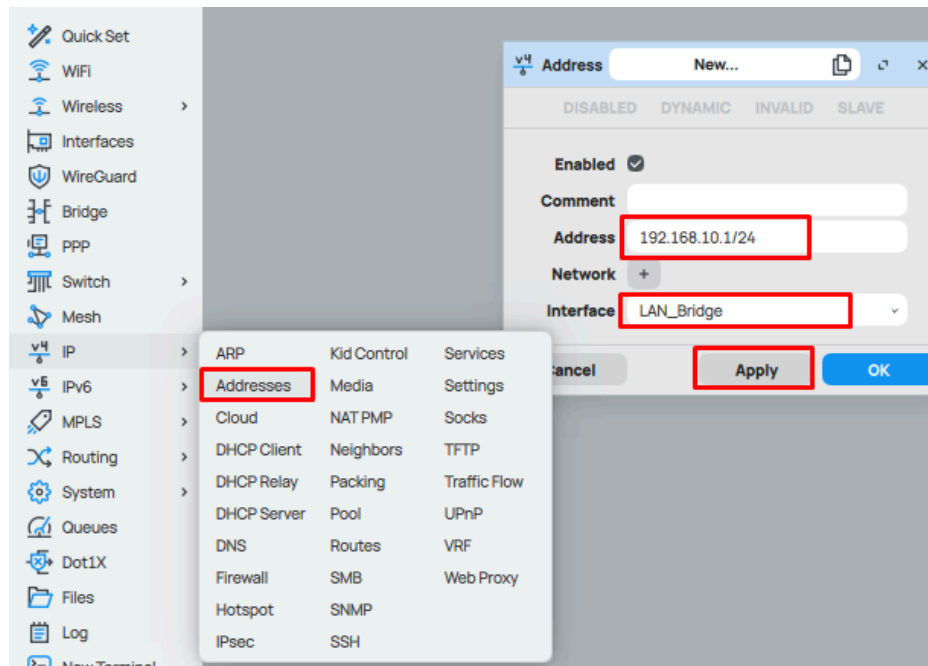- Address: 192.168.10.1/24
- Interface: LAN_Bridge (or ether2)

Image - Assign IP to LAN (Bridge or Single Interface)

Topic 2.2 – Configure DHCP Server for LAN

Step 1: Create IP Pool

CLI:

/ip pool add name=LAN-Pool ranges=192.168.10.10-192.168.10.254

Winbox:

- Go to IP → Pool → Add (+)
- Name: LAN-Pool
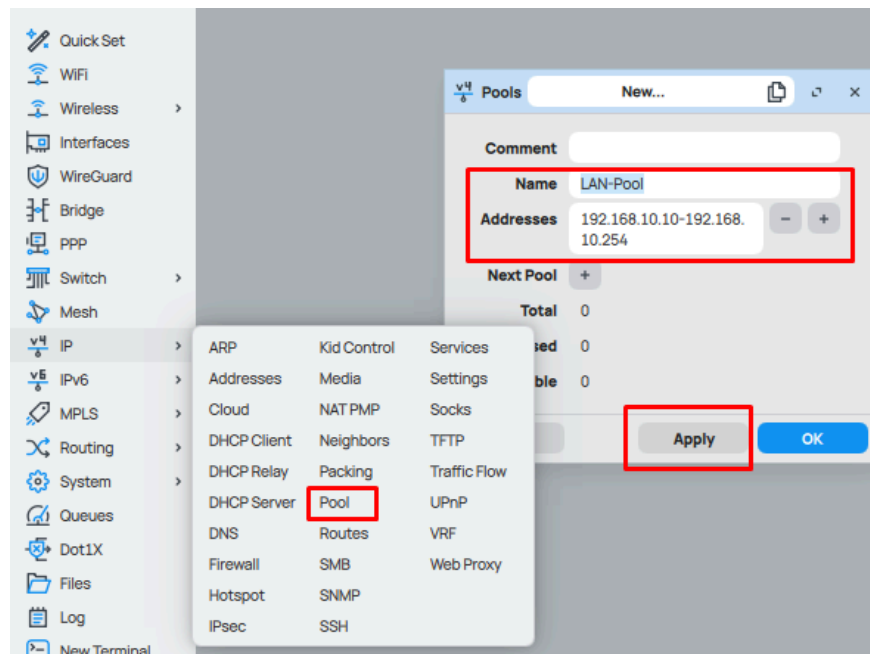- Range: 192.168.10.10-192.168.10.254

Image - Create IP Pool

Step 2: Configure DHCP Network

CLI:

/ip dhcp-server network add address=192.168.10.0/24 gateway=192.168.10.1
dns-server=8.8.8.8,1.1.1.1

Winbox:

- Go to IP → DHCP Server → Networks → Add (+)
- Address: 192.168.10.0/24
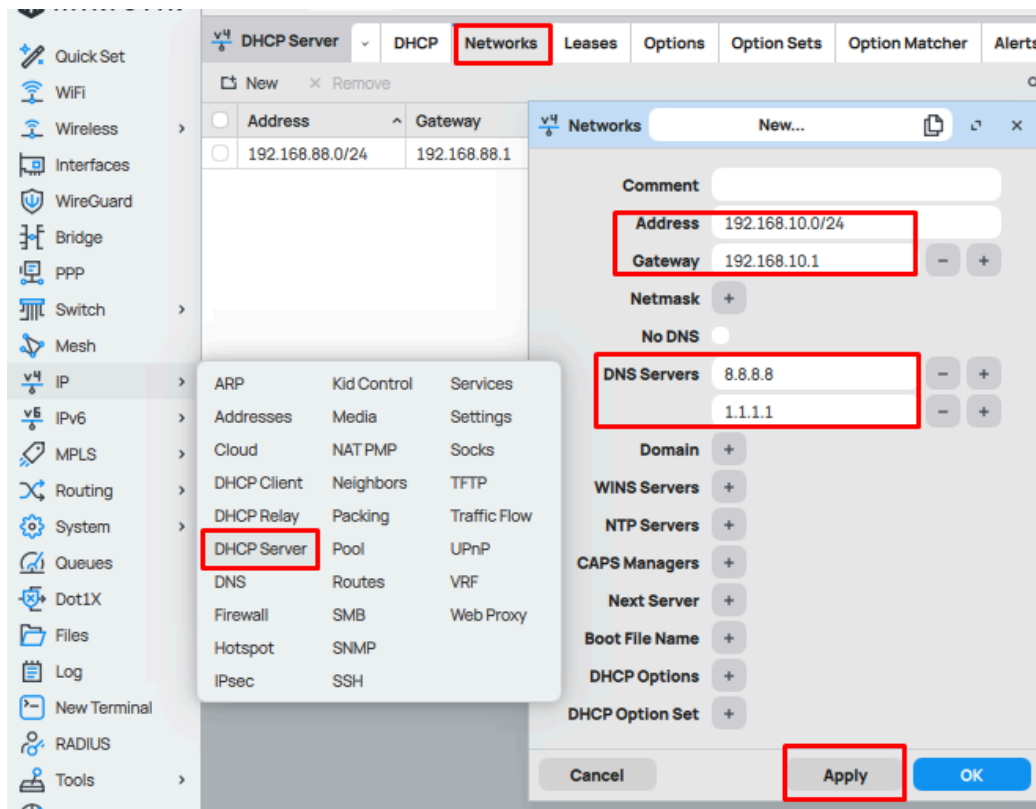- Gateway: 192.168.10.1
- DNS Servers: 8.8.8.8,1.1.1.1

Image - Configure DHCP Network

Step 3: Add and Enable DHCP Server

CLI:

/ip dhcp-server add name=LAN-DHCP interface=bridge1 address-pool=LAN-Pool disabled=no

(If not using bridge, use interface=ether2)

Winbox:

- Go to IP → DHCP Server → DHCP Setup
- Select Interface: bridge1 (or ether2)
- Set Pool, Gateway, and DNS as prompted

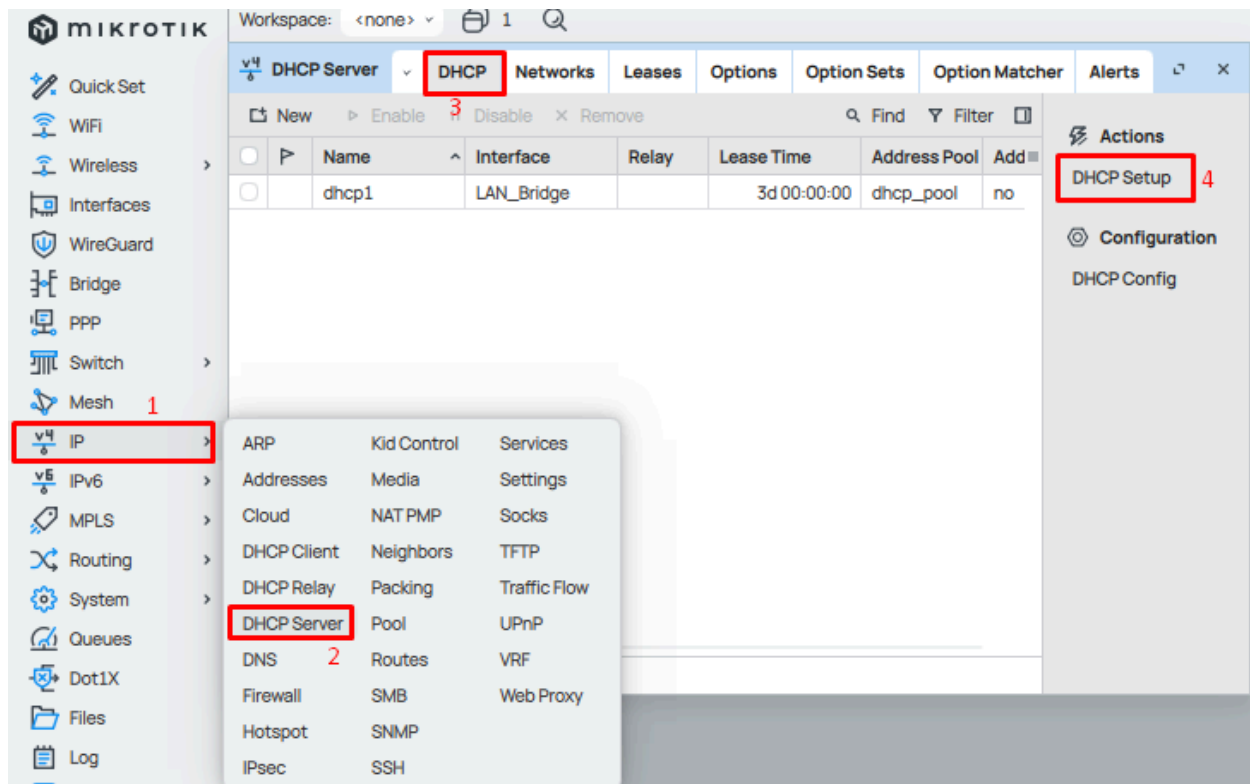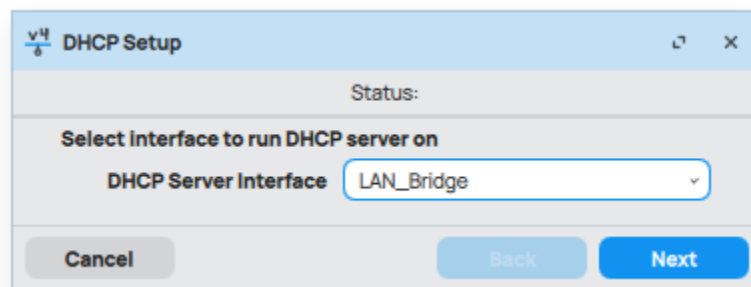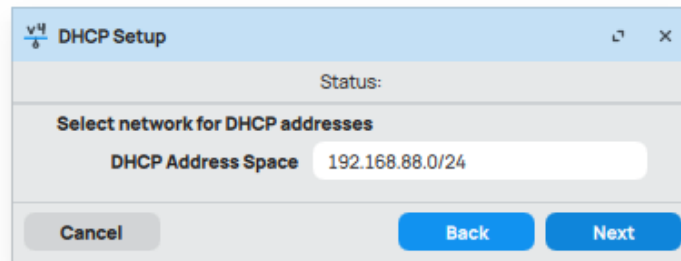**Image: Add DHCP Server**

Image: DHCP Setup 1
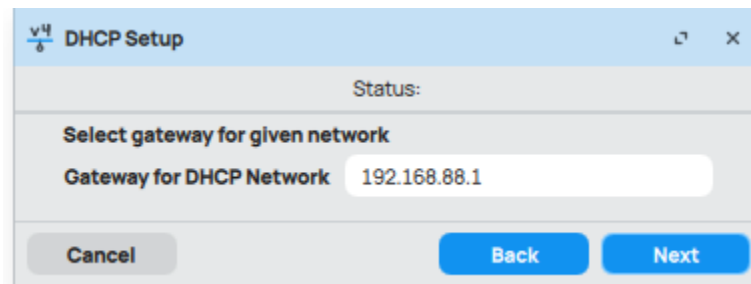
Image: DHCP Setup 2

Image: DHCP Setup 3

Topic 2.3 – Test LAN Connectivity

CLI:

/ping 8.8.8.8

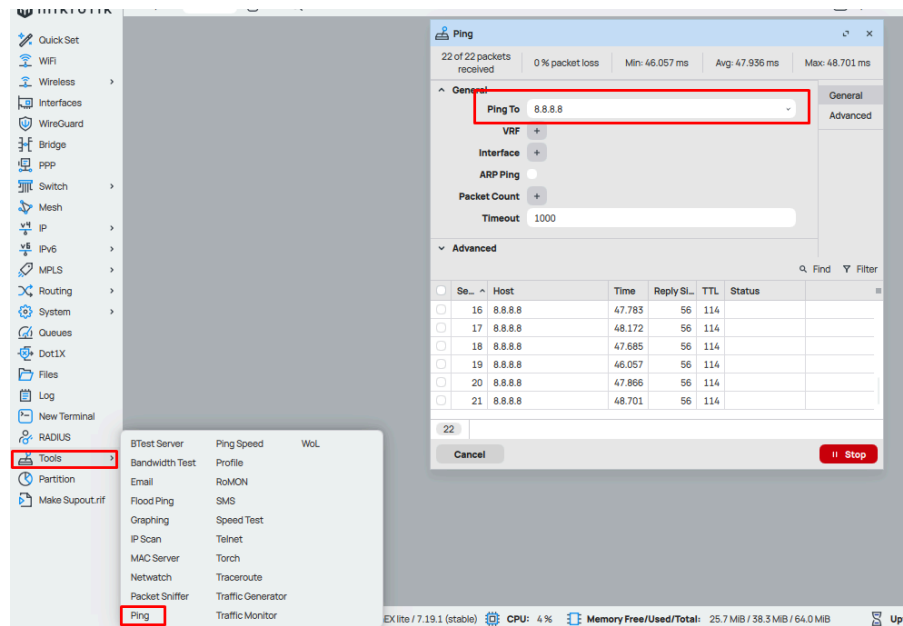**Winbox:**

- Go to Tools → Ping
- Enter 8.8.8.8

Image: Test Connectivity

If successful, LAN clients should have automatic IP via DHCP and Internet access via NAT.