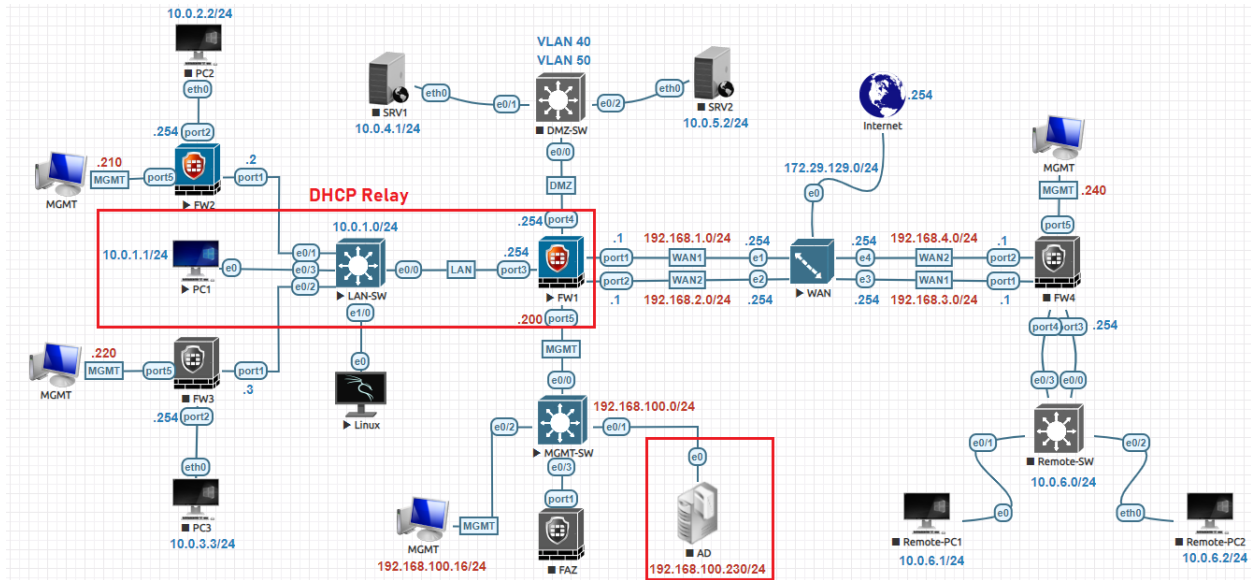


## DHCP Relay Lab:



First let's disable DHCP Server which we enable from previous DHCP Server Lab. Navigate to **Network>Interfaces** and disable DHCP Server.

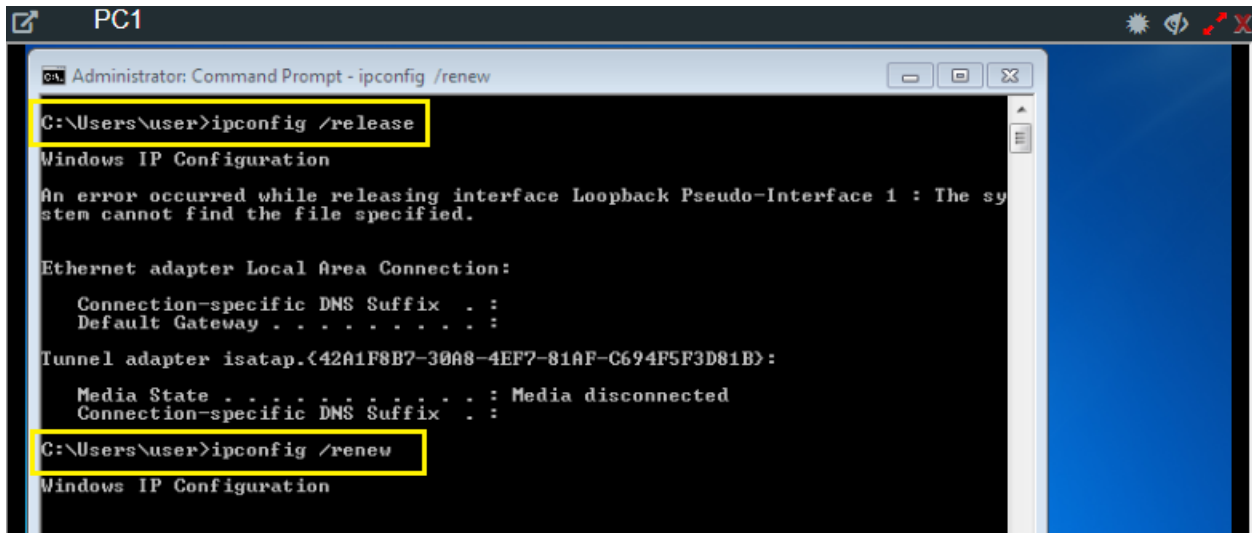
The screenshot shows the FortiGate configuration interface. The left sidebar has 'Network' expanded, with 'Interfaces' highlighted. The main area shows the 'Edit Interface' configuration for 'port1'. The 'DHCP Server' checkbox is unchecked, and a red arrow points to it with the text 'Disable DHCP Server'.

To configure FortiGate Firewall as DHCP relay Agent Go to **Network -> Interfaces edit** Interface in this case **Port3** enable **DHCP Server** click on **Advanced** change the Mode to **Relay** type the DHCP server IP in our case IP address of Microsoft Windows Server 2012 which is our DHCP Server **192.168.100.230**. Click **OK**.

Name	Type	IP/Netmask	DHCP Ranges
<b>802.3ad Aggregate 1</b>			
fortilink	802.3ad Aggregate	Dedicated to FortiSwitch	10.255.1.2-10.255.1.254
<b>Physical Interface 8</b>			
DMZ (port4)	Physical Interface	0.0.0.0/0.0.0.0	
LAN (port3)	Physical Interface	10.0.1.254/255.255.255.0	Relay: 192.168.114.230
MGMT (port5)	Physical Interface	192.168.114.200/255.255.255.0	

## Testing and Verification:

Go to LAN PC1 release and renew the IP Address



```
Administrator: Command Prompt - ipconfig /renew
C:\Users\user>ipconfig /release
Windows IP Configuration

An error occurred while releasing interface Loopback Pseudo-Interface 1 : The system cannot find the file specified.

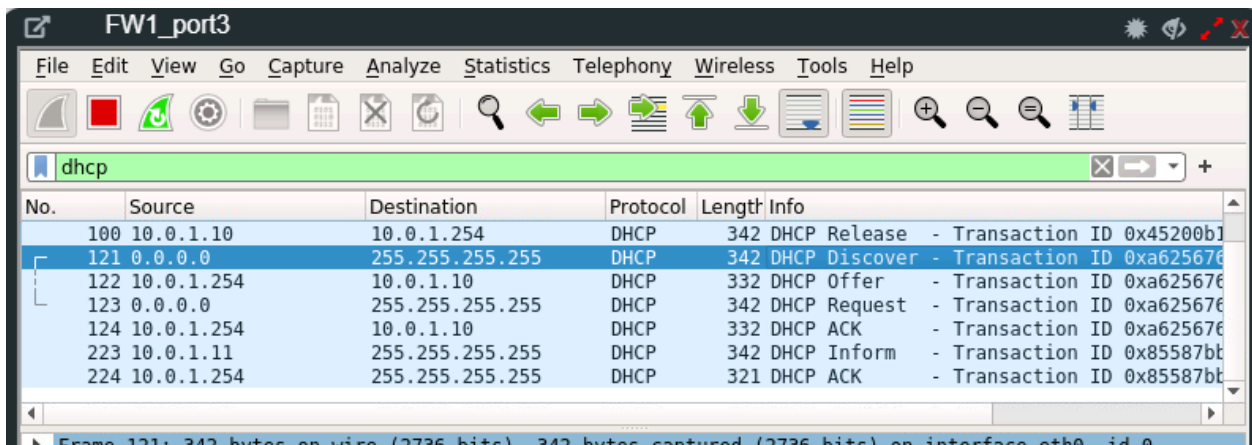
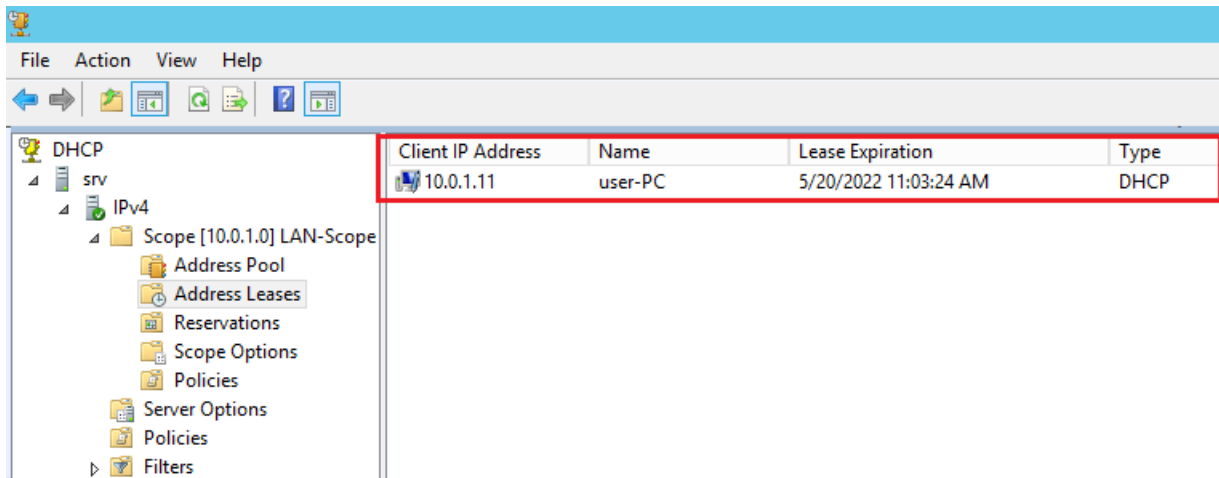
Ethernet adapter Local Area Connection:

    Connection-specific DNS Suffix  . : 
    Default Gateway . . . . .       : 
    . . . . .                       : 
    Tunnel adapter isatap.{42A1F8B7-30A8-4EF7-81AF-C694F5F3D81B}:

    Media State . . . . .           : Media disconnected
    Connection-specific DNS Suffix  . : 

C:\Users\user>ipconfig /renew
Windows IP Configuration
```

Go to Microsoft DHCP Server check the Address Leases for LAN Scope.

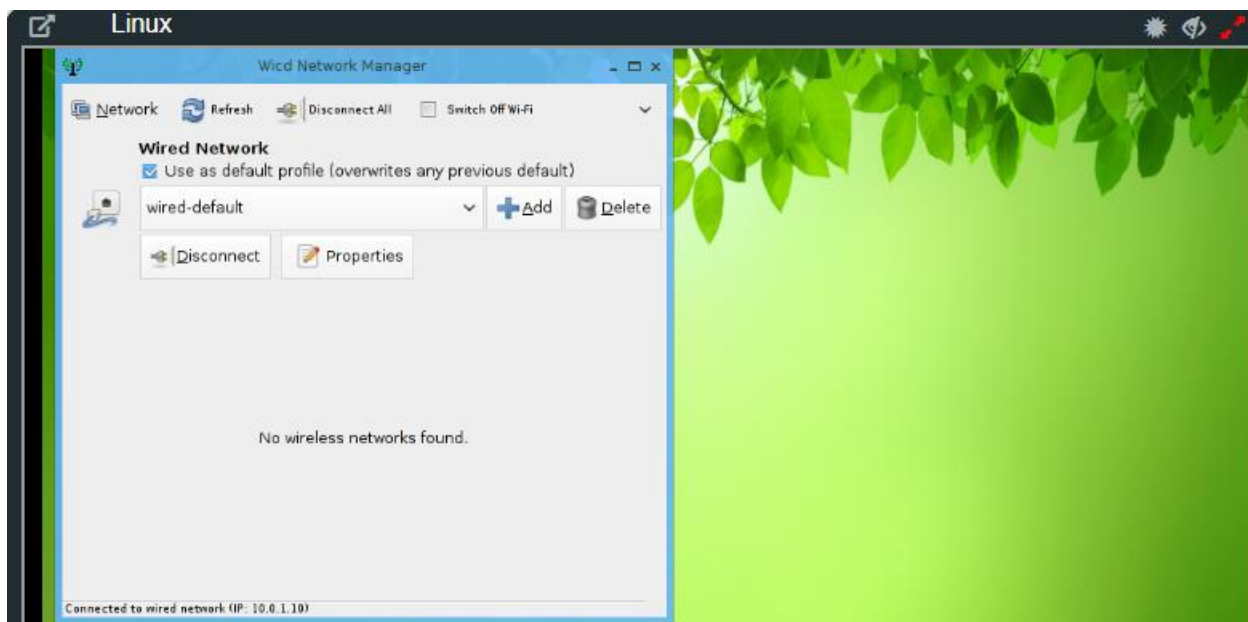


FW1\_port5

File Edit View Go Capture Analyze Statistics Telephony Wireless Tools Help

dhcp

No.	Source	Destination	Protocol	Length	Info
24	10.0.1.254	192.168.114.230	DHCP	338	DHCP Inform - Transaction ID 0x49026528
25	192.168.114.230	10.0.1.254	DHCP	342	DHCP ACK - Transaction ID 0x49026528
85	10.0.1.254	192.168.114.230	DHCP	310	DHCP Discover - Transaction ID 0xa625676d
86	192.168.114.230	10.0.1.254	DHCP	342	DHCP Offer - Transaction ID 0xa625676d
87	10.0.1.254	192.168.114.230	DHCP	316	DHCP Request - Transaction ID 0xa625676d
88	192.168.114.230	10.0.1.254	DHCP	342	DHCP ACK - Transaction ID 0xa625676d



File Action View Help

DHCP

Client IP Address	Name	Lease Expiration	Type
10.0.1.10		5/20/2022 11:06:48 AM	DHCP
10.0.1.11	user-PC	5/20/2022 11:03:24 AM	DHCP

srv

IPv4

- Scope [10.0.1.0] LAN-Scope
  - Address Pool
  - Address Leases
  - Reservations
  - Scope Options
  - Policies
  - Server Options
  - Policies
  - Filters
- IPv6