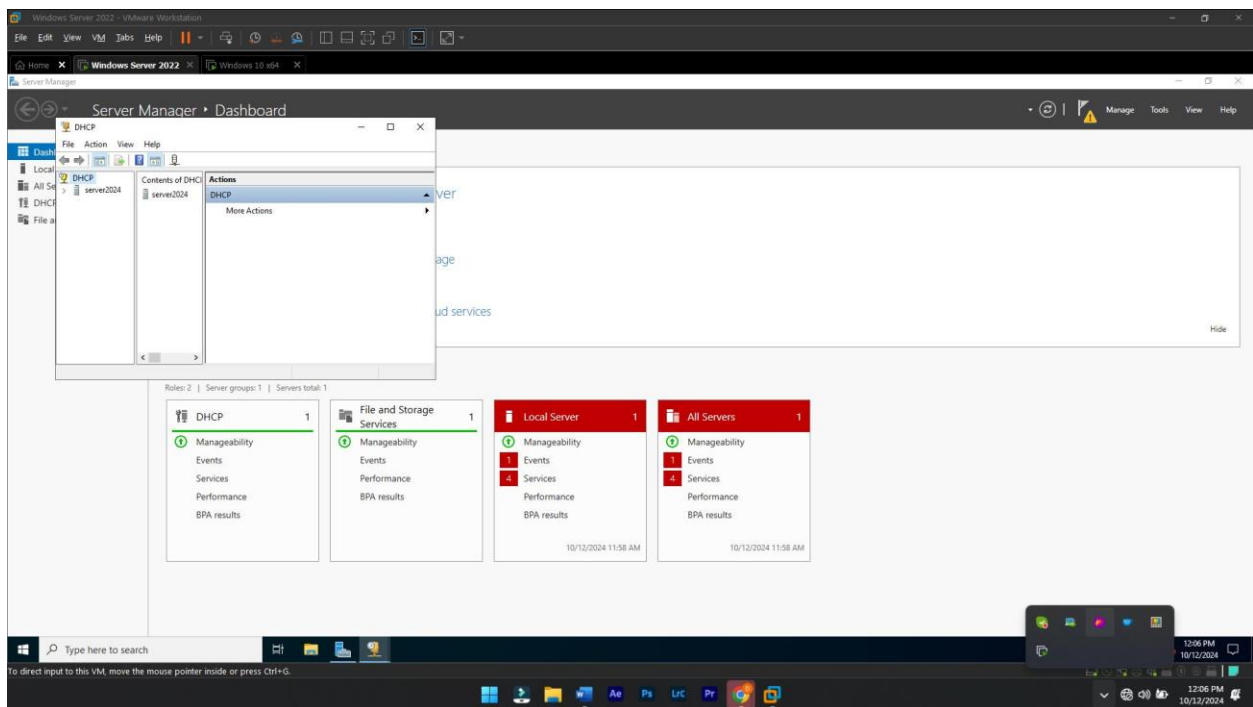
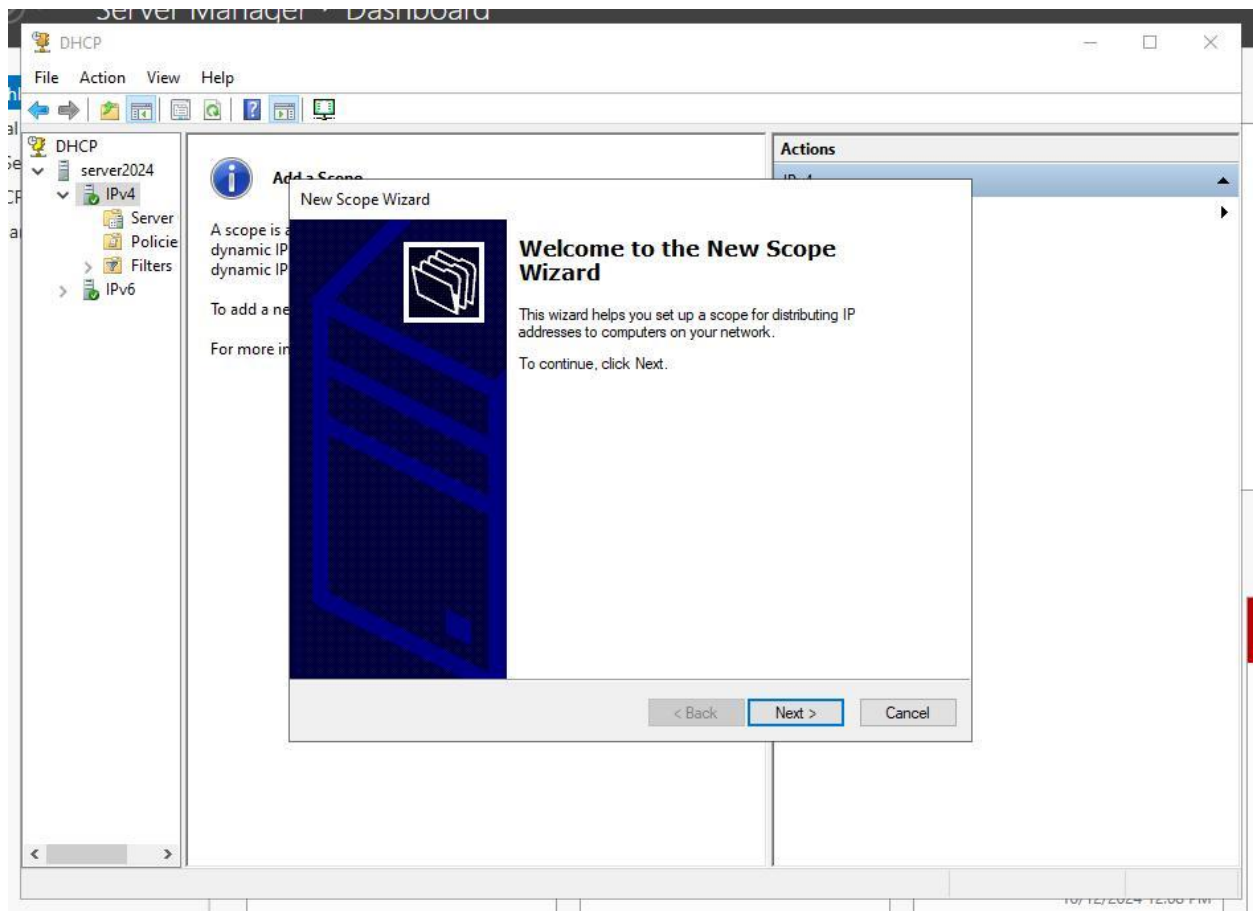


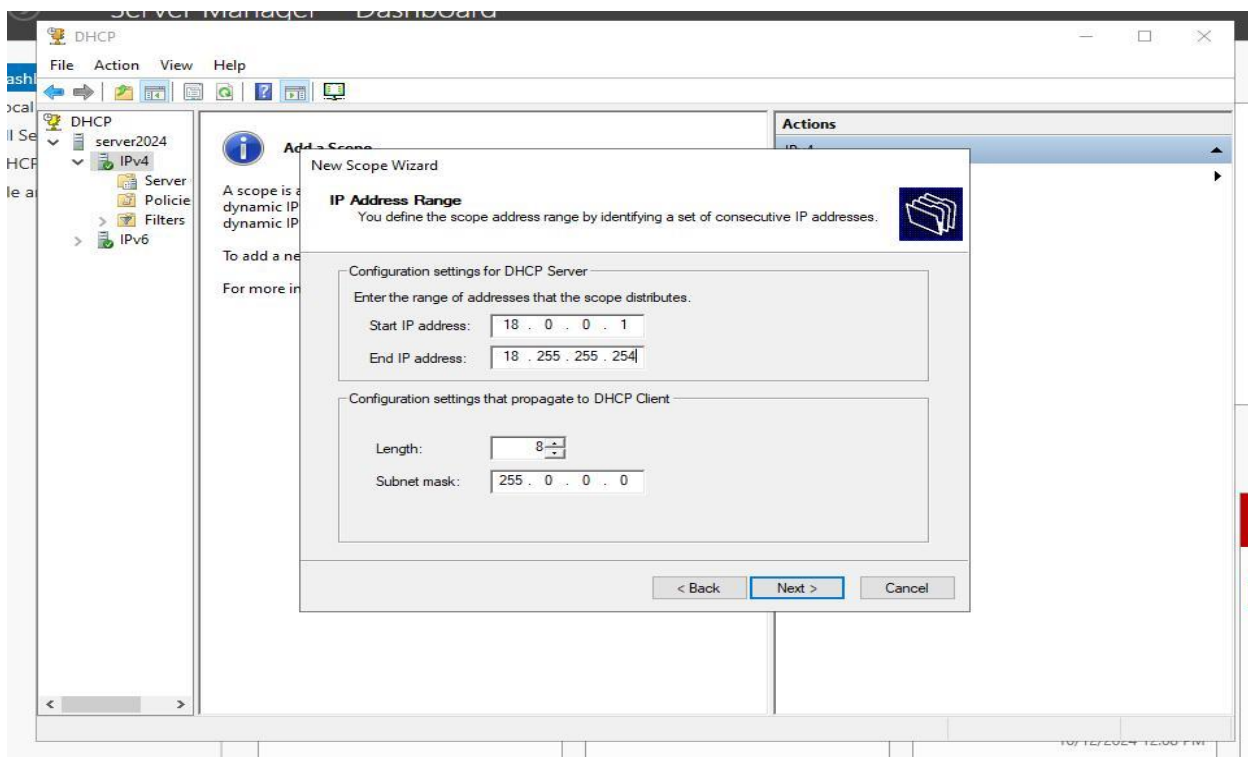
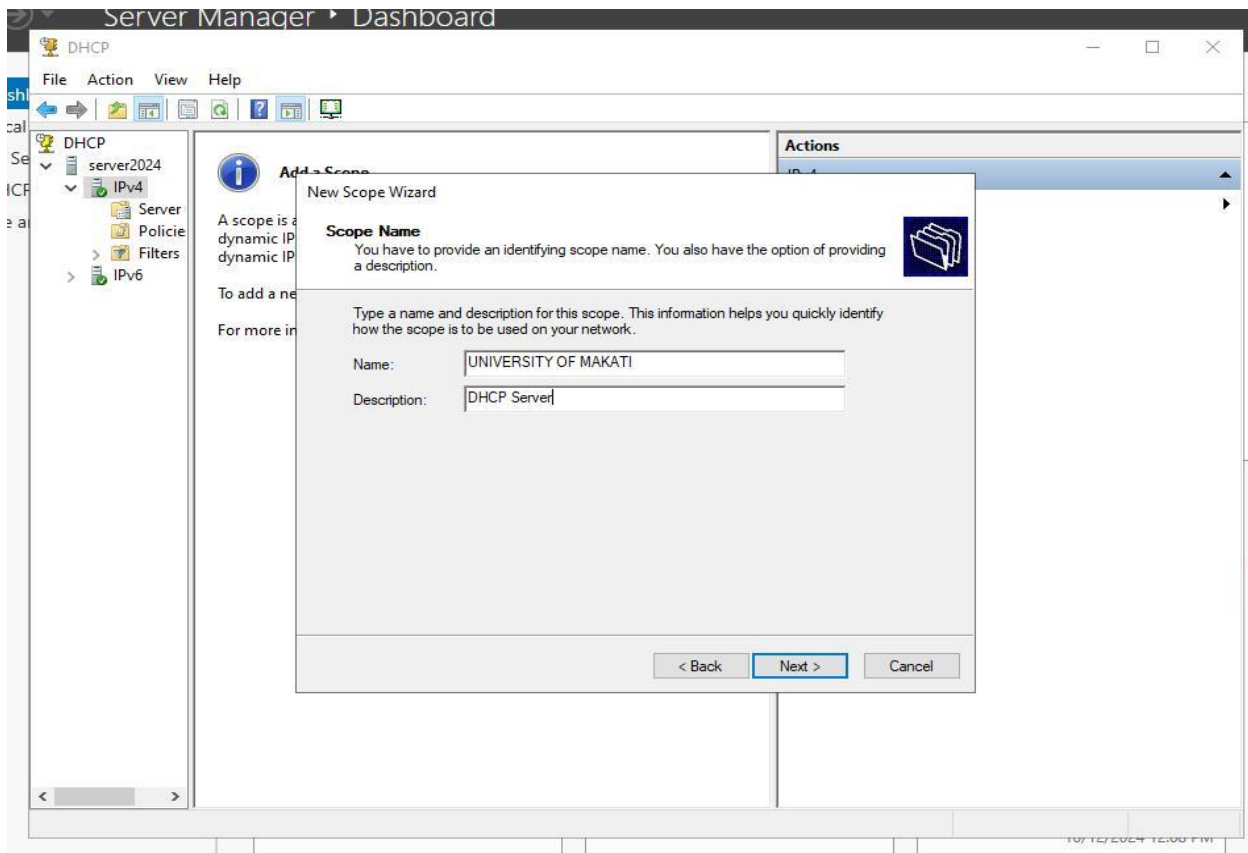
ASSIGNED IP ADDRESS: 18.0.0.0 /8
FIRST USABLE HOST: 18.0.0.1
LAST USABLE HOST: 18.255.255.254
DEFAULT GATEWAY: 18.0.0.1
SERVER ADDRESS: 18.0.0.2
DNS: 18.0.0.2
SERVER IP: 18.0.0.2
CLIENT IP: DHCP LEASING

TOOLS > DHCP > ADD NEW SCOPE

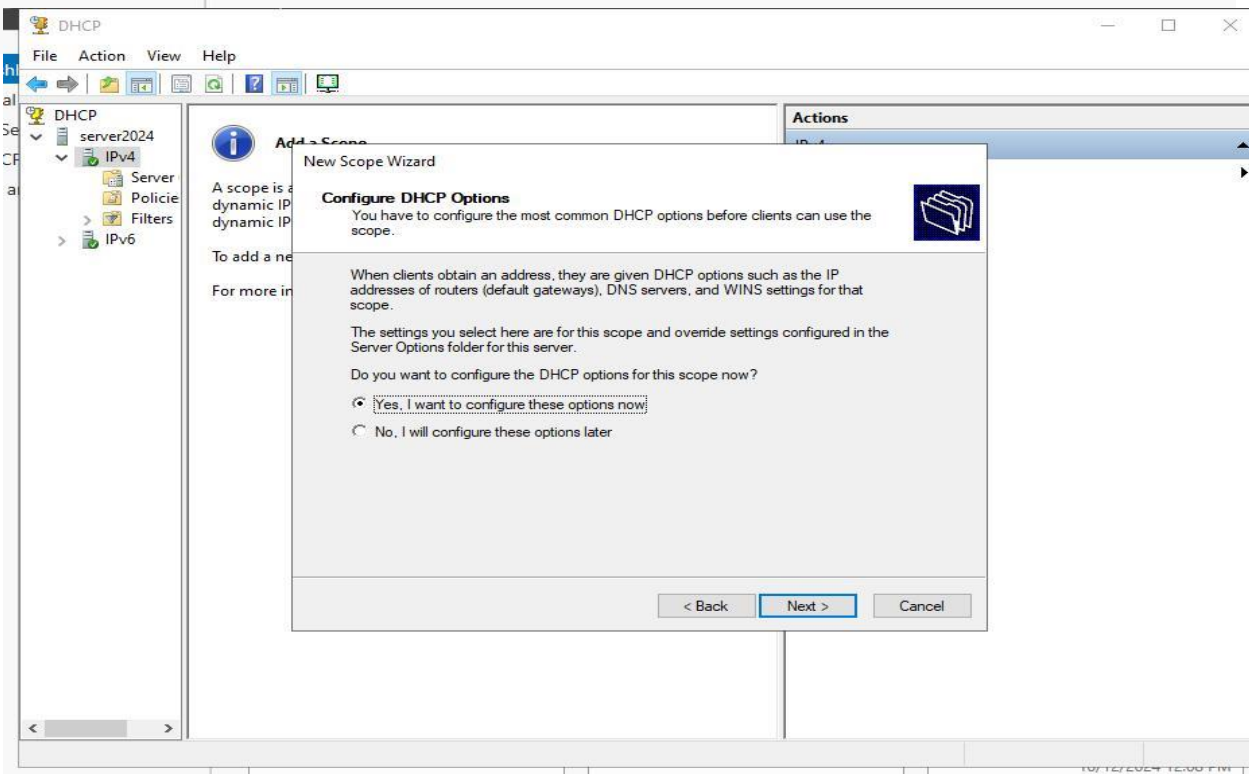
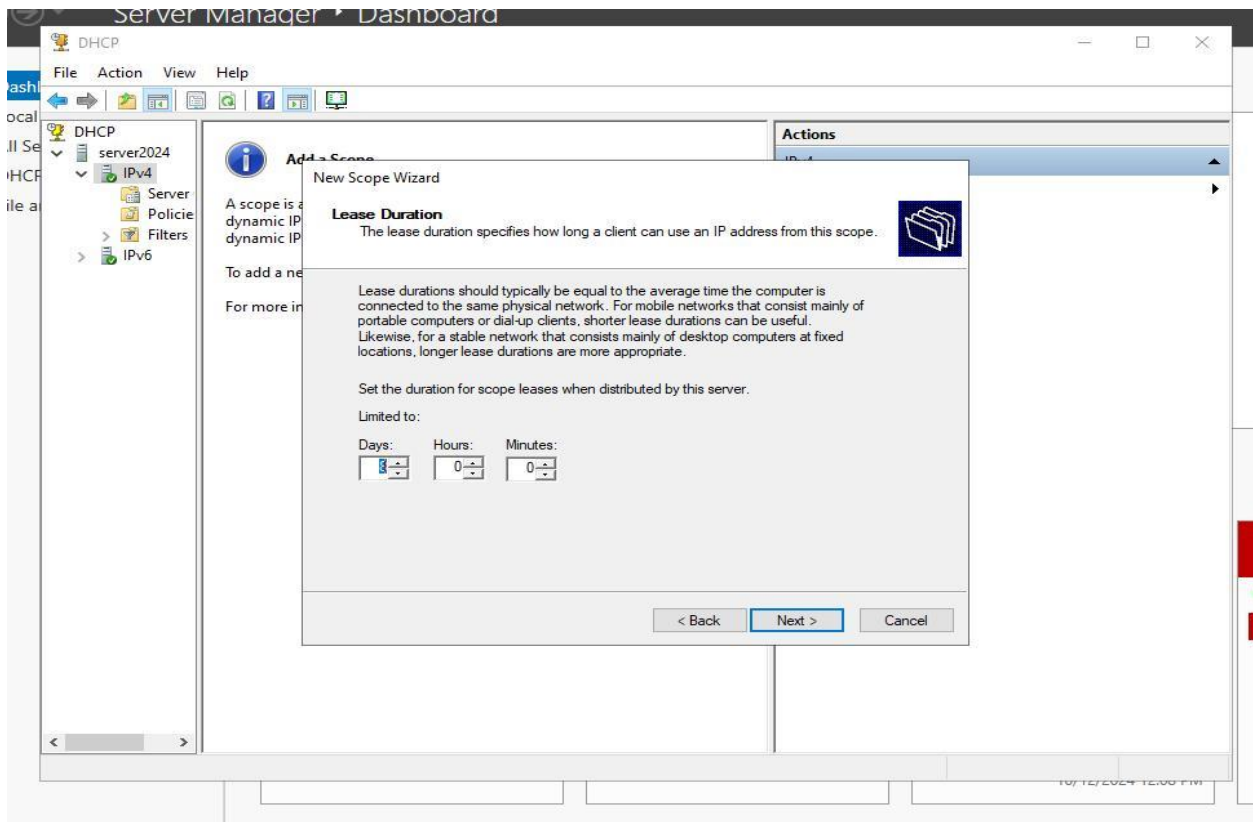


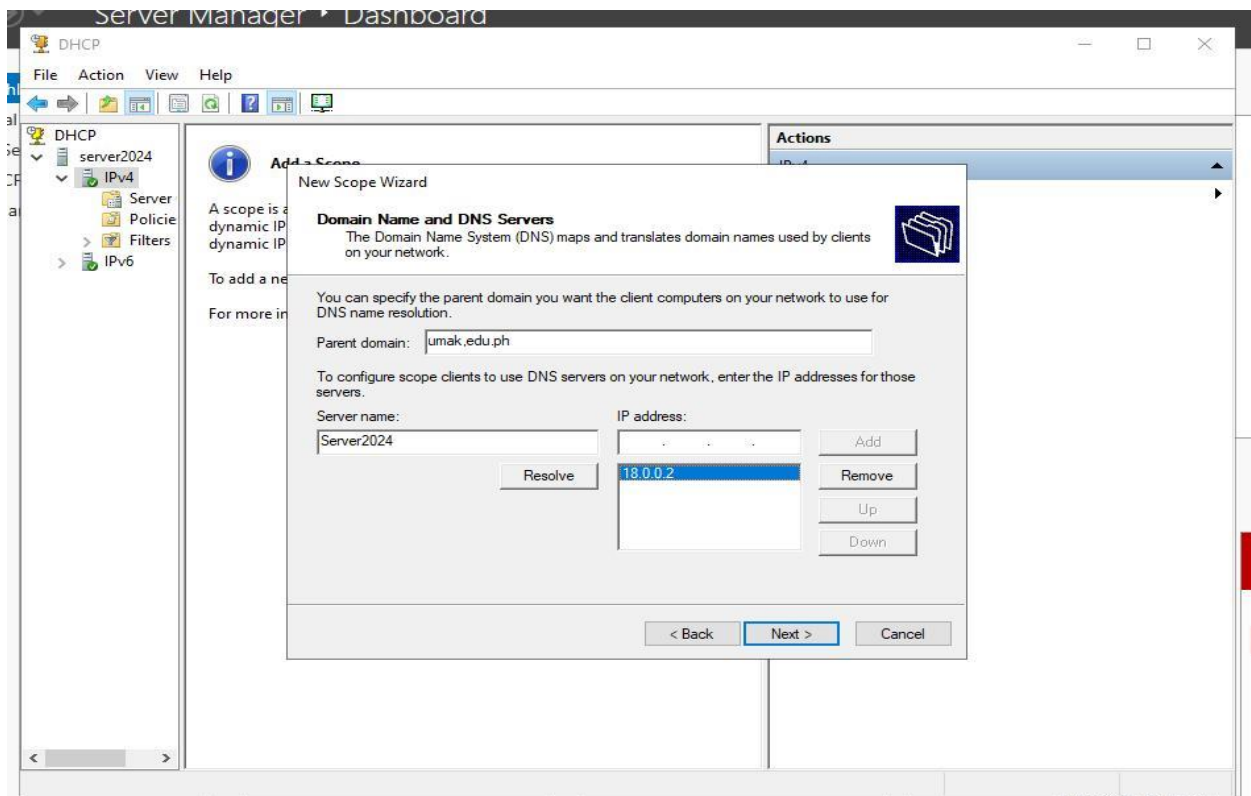
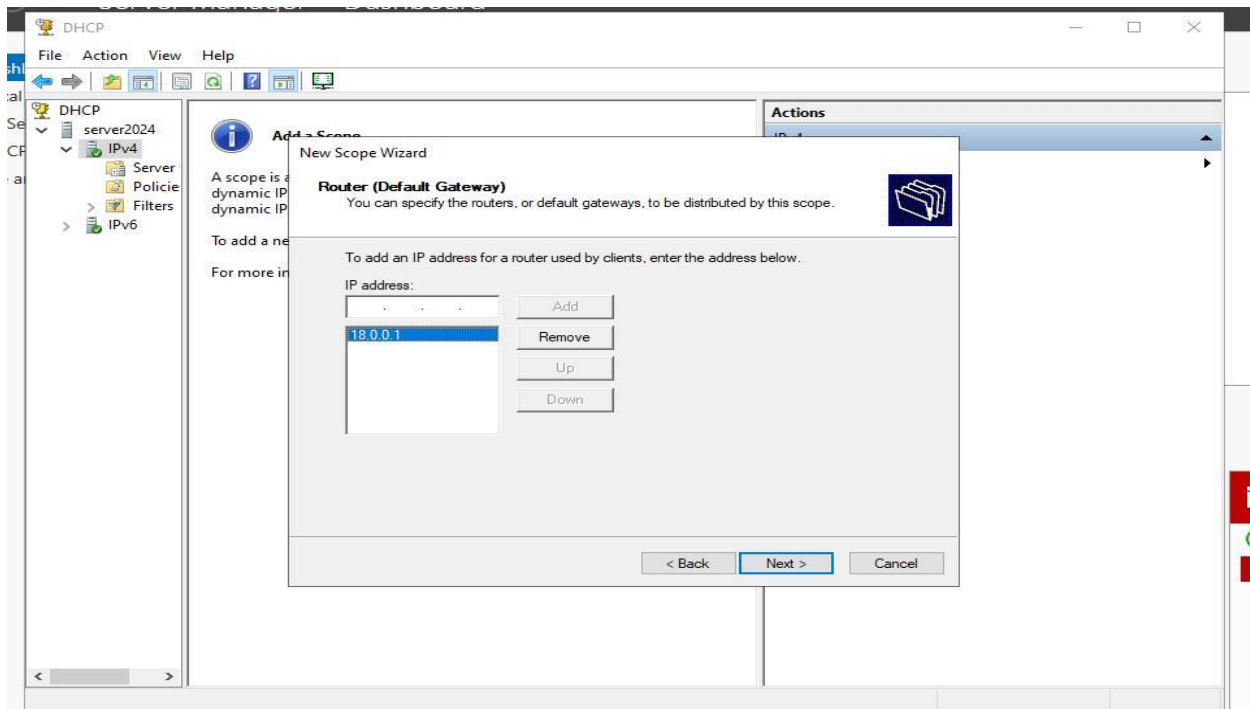


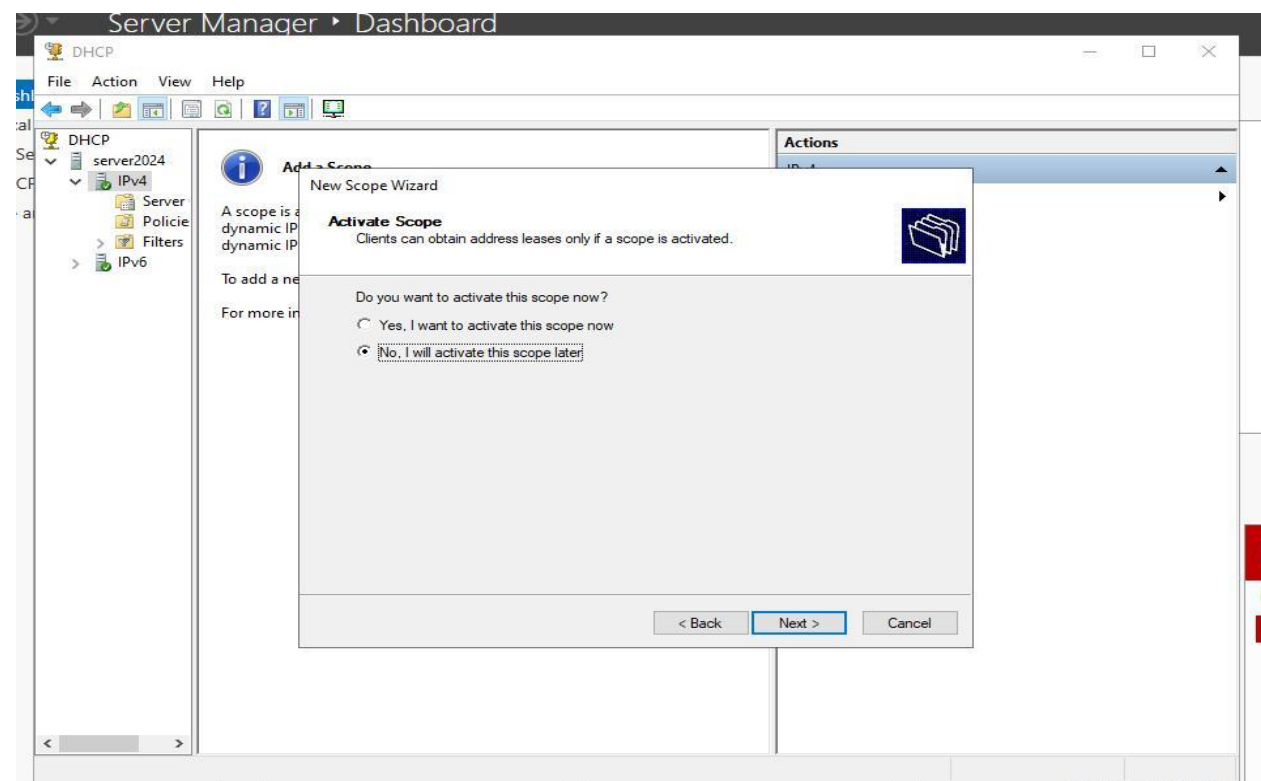
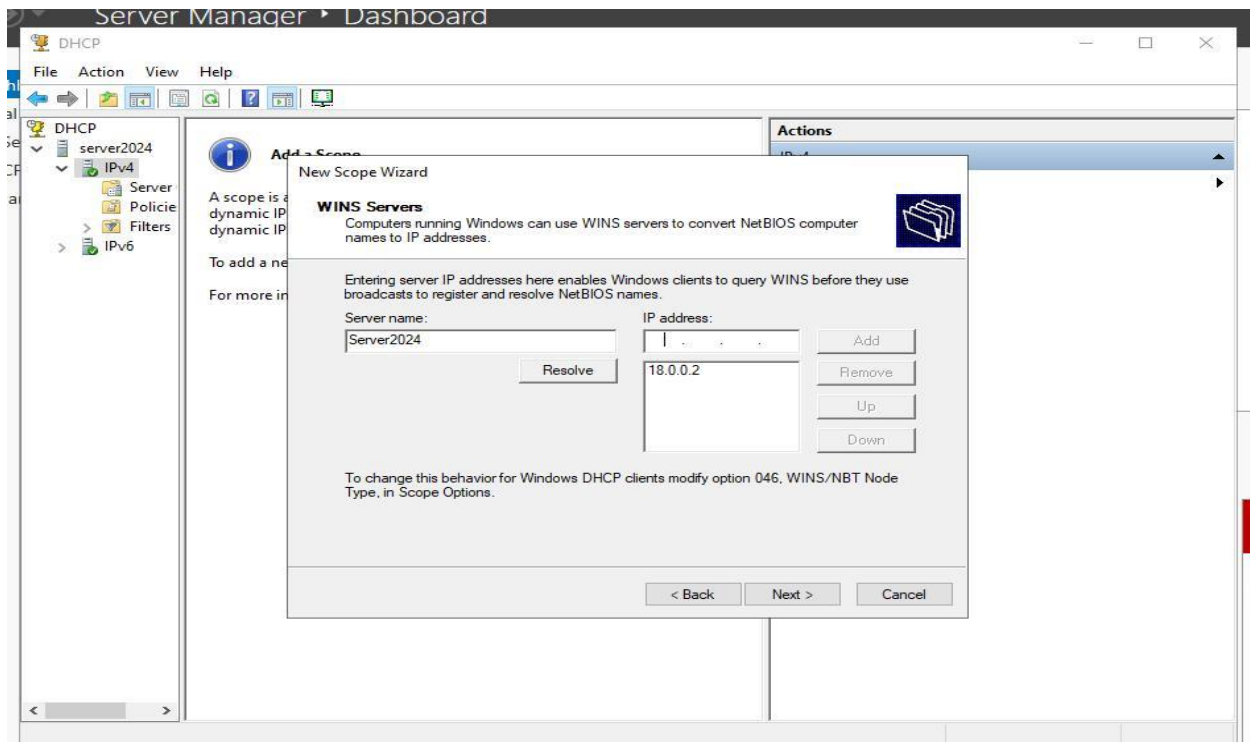
SCOPE NAME, DESCRIPTION, IP RANGE, EXCEPTION RANGE

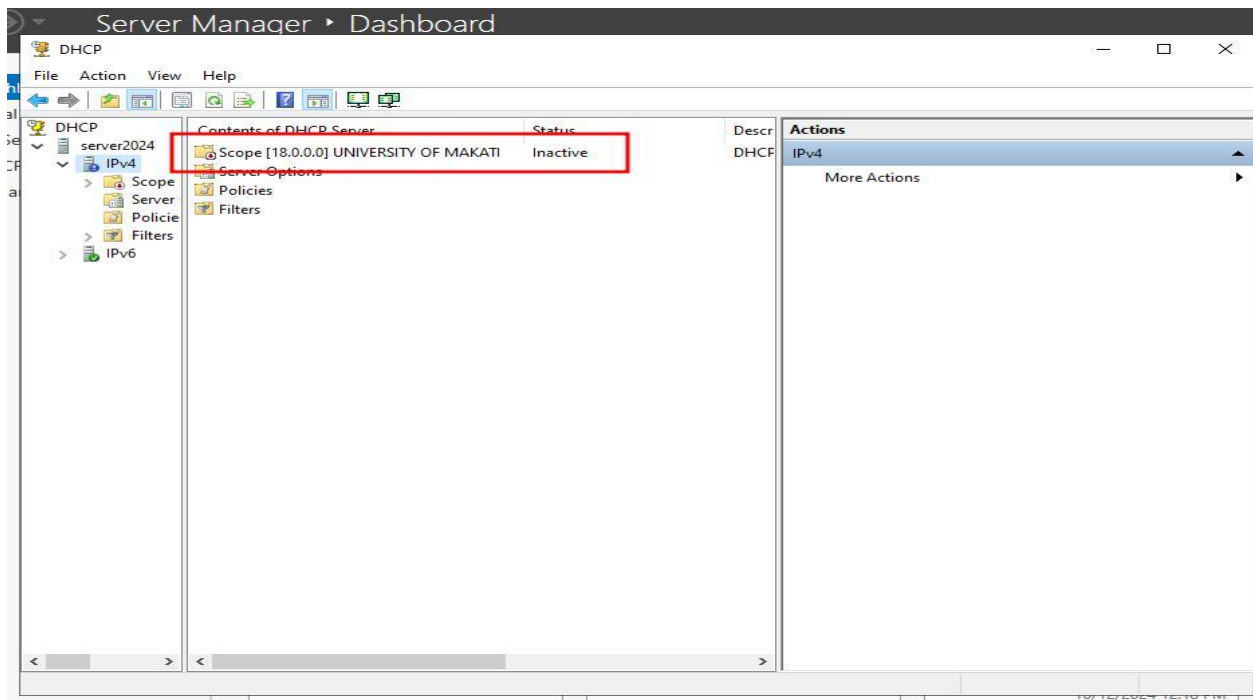


LEASE DURATION, DEFAULT GATEWAY, DNS SETTINGS, WINS, SCOPE ACTIVATION

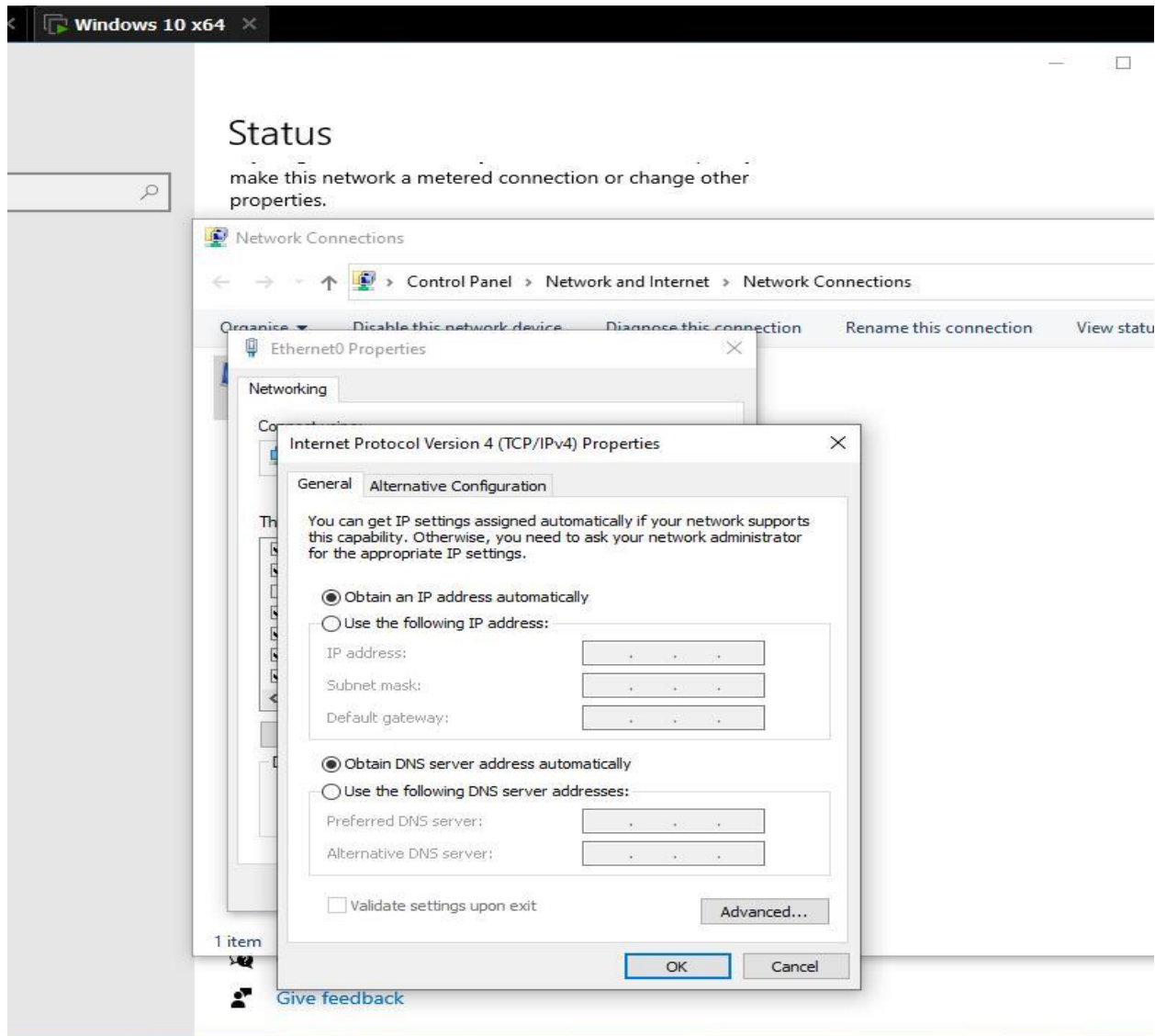


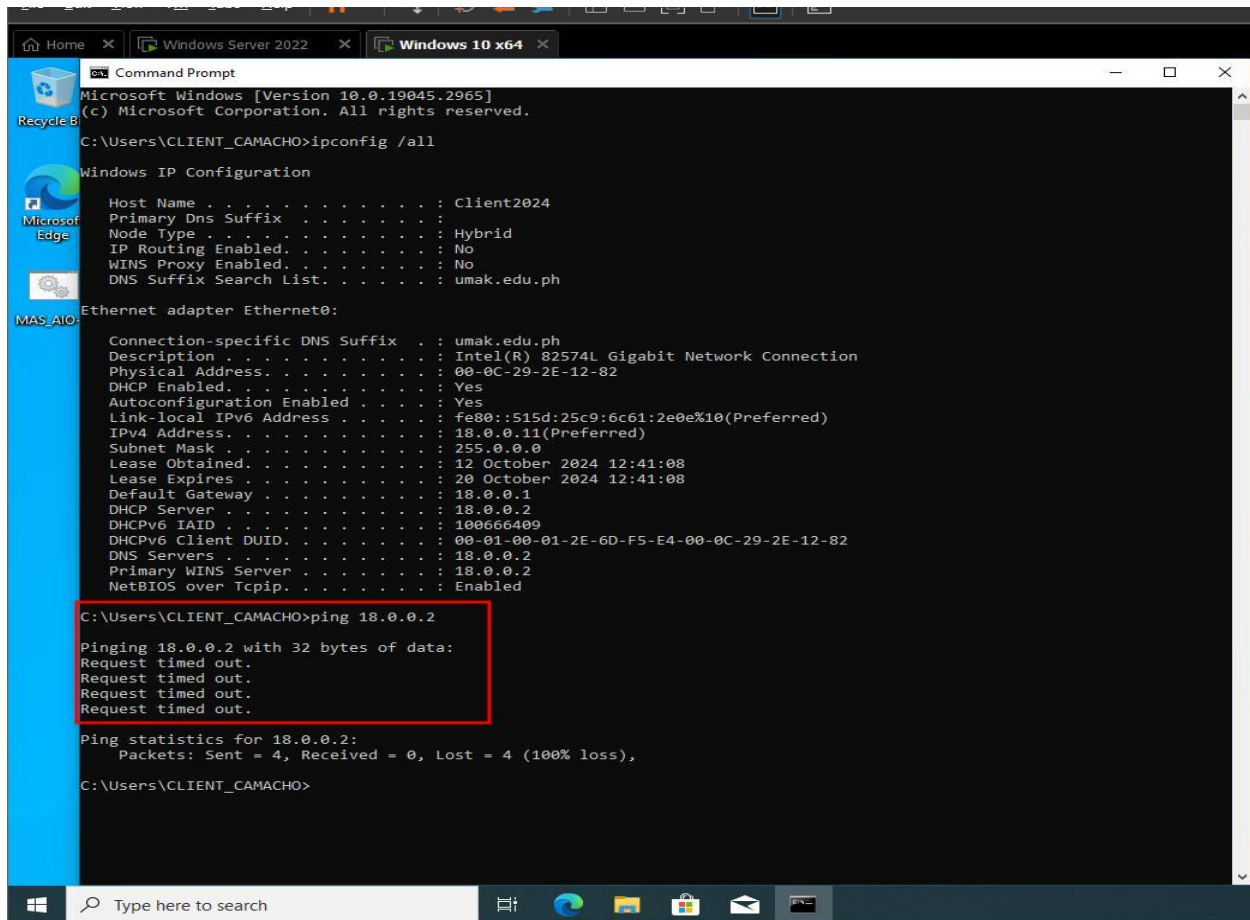






CLIENT SIDE





The screenshot shows a Windows 10 x64 Command Prompt window. The user has run the command `ipconfig /all`, which displays the following information:

```
Windows IP Configuration

Host Name . . . . . : Client2024
Primary Dns Suffix . . . . . :
Node Type . . . . . : Hybrid
IP Routing Enabled. . . . . : No
WINS Proxy Enabled. . . . . : No
DNS Suffix Search List. . . . . : umak.edu.ph

Ethernet adapter Ethernet0:

    Connection-specific DNS Suffix  . : umak.edu.ph
    Description . . . . . : Intel(R) 82574L Gigabit Network Connection
    Physical Address. . . . . : 00-0C-29-2E-12-82
    DHCP Enabled. . . . . : Yes
    Autoconfiguration Enabled . . . . : Yes
    Link-local IPv6 Address . . . . . : fe80::515d:25c9:6c61:2e0e%10(Preferred)
    IPv4 Address. . . . . : 18.0.0.11(Preferred)
    Subnet Mask . . . . . : 255.0.0.0
    Lease Obtained. . . . . : 12 October 2024 12:41:08
    Lease Expires . . . . . : 20 October 2024 12:41:08
    Default Gateway . . . . . : 18.0.0.1
    DHCP Server . . . . . : 18.0.0.2
    DHCPv6 IAID . . . . . : 100666409
    DHCPv6 Client DUID. . . . . : 00-01-00-01-2E-6D-F5-E4-00-0C-29-2E-12-82
    DNS Servers . . . . . : 18.0.0.2
    Primary WINS Server . . . . . : 18.0.0.2
    NetBIOS over Tcpip. . . . . : Enabled
```

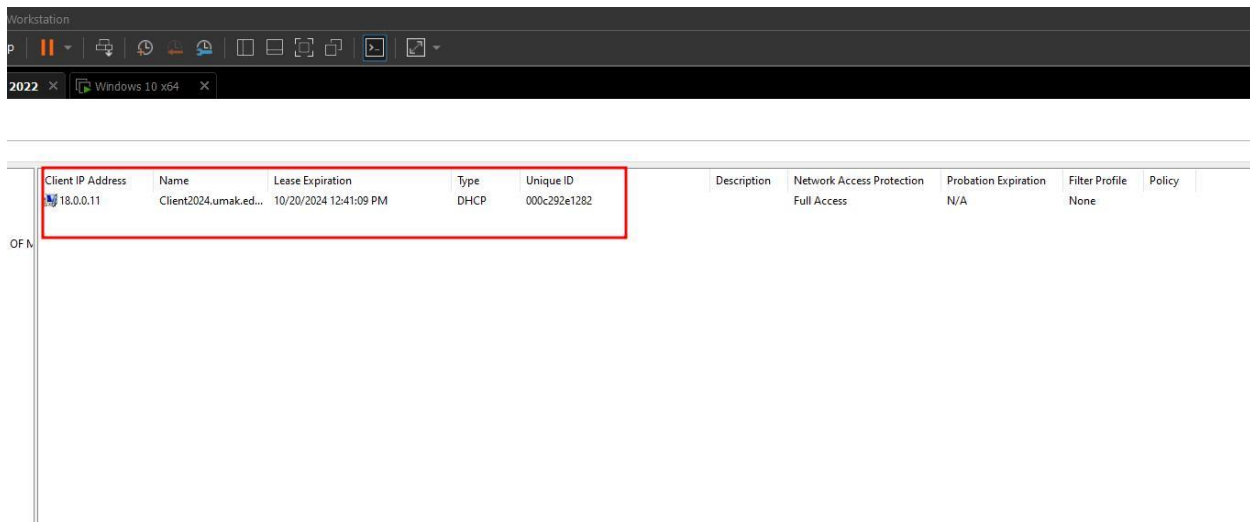
Below this, the user has run the command `ping 18.0.0.2`. The output shows four failed ping requests:

```
Pinging 18.0.0.2 with 32 bytes of data:
Request timed out.
Request timed out.
Request timed out.
Request timed out.
```

The ping statistics for 18.0.0.2 are:

```
Ping statistics for 18.0.0.2:
    Packets: Sent = 4, Received = 0, Lost = 4 (100% loss),
```

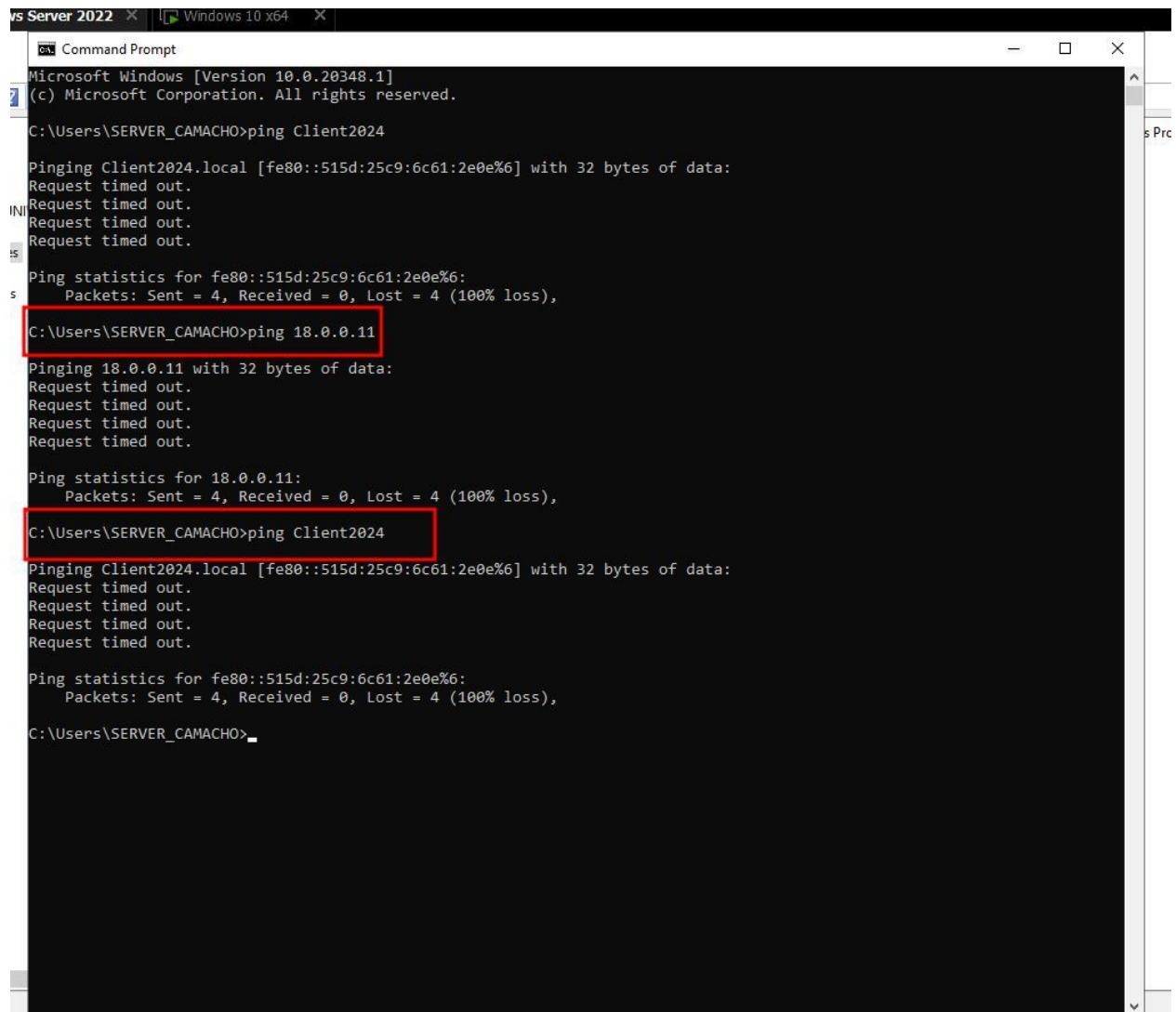
SERVER SIDE LEASING



The screenshot shows a DHCP server console window with a table of leases. The table has the following columns: Client IP Address, Name, Lease Expiration, Type, Unique ID, Description, Network Access Protection, Probation Expiration, Filter Profile, and Policy. The first row of data is highlighted with a red box:

Client IP Address	Name	Lease Expiration	Type	Unique ID	Description	Network Access Protection	Probation Expiration	Filter Profile	Policy
18.0.0.11	Client2024.umak.ed...	10/20/2024 12:41:09 PM	DHCP	000c292e1282		Full Access	N/A	None	

SERVER SIDE CLIENT PING



```
vs Server 2022 x Windows 10 x64 x
Command Prompt
Microsoft Windows [Version 10.0.20348.1]
(c) Microsoft Corporation. All rights reserved.

C:\Users\SERVER_CAMACHO>ping Client2024

Pinging Client2024.local [fe80::515d:25c9:6c61:2e0e%6] with 32 bytes of data:
Request timed out.
Request timed out.
Request timed out.
Request timed out.

Ping statistics for fe80::515d:25c9:6c61:2e0e%6:
    Packets: Sent = 4, Received = 0, Lost = 4 (100% loss),

C:\Users\SERVER_CAMACHO>ping 18.0.0.11

Pinging 18.0.0.11 with 32 bytes of data:
Request timed out.
Request timed out.
Request timed out.
Request timed out.

Ping statistics for 18.0.0.11:
    Packets: Sent = 4, Received = 0, Lost = 4 (100% loss),

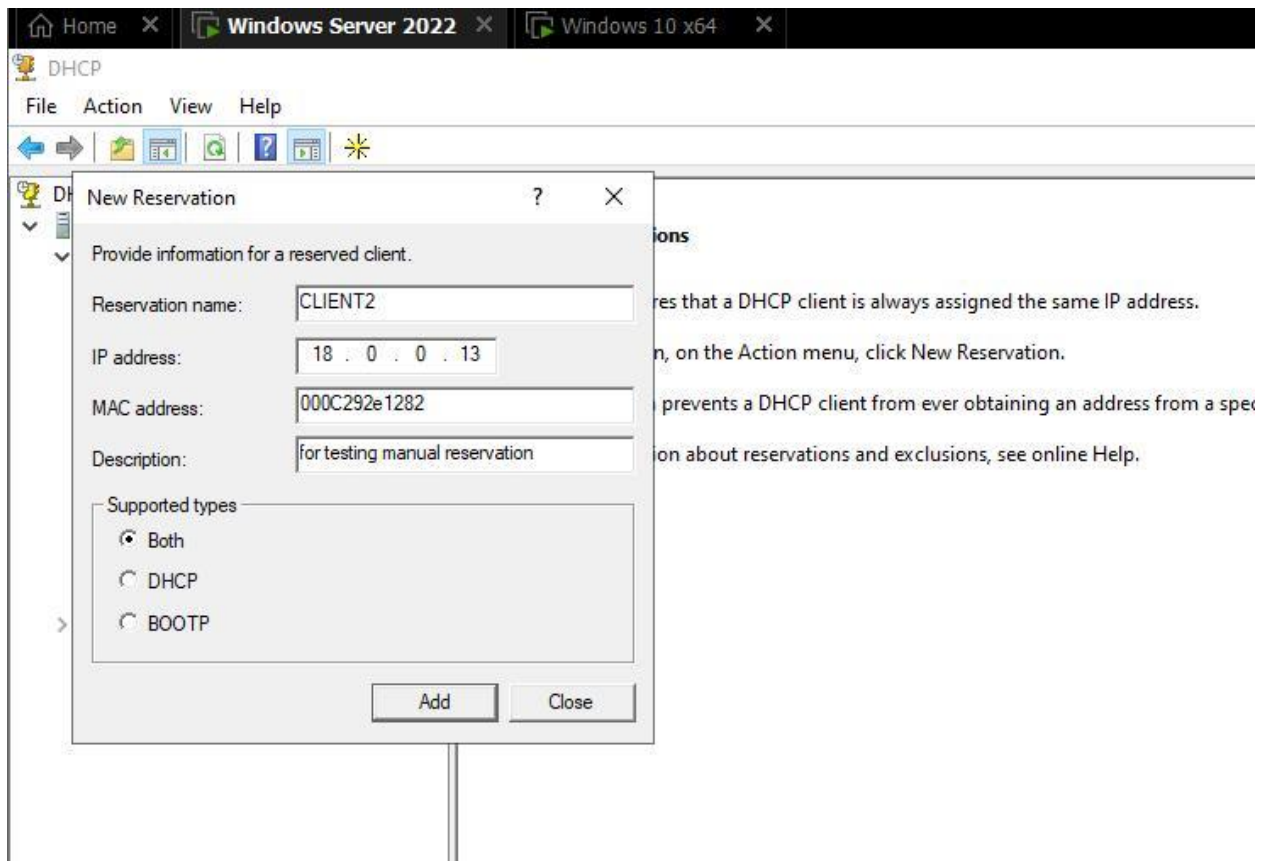
C:\Users\SERVER_CAMACHO>ping Client2024

Pinging Client2024.local [fe80::515d:25c9:6c61:2e0e%6] with 32 bytes of data:
Request timed out.
Request timed out.
Request timed out.
Request timed out.

Ping statistics for fe80::515d:25c9:6c61:2e0e%6:
    Packets: Sent = 4, Received = 0, Lost = 4 (100% loss),

C:\Users\SERVER_CAMACHO>
```

RESERVATION OF IP FOR CLIENT



CLIENT SIDE SERVER PING

```
me X Windows Server 2022 X Windows 10 x64 X
Command Prompt
Subnet Mask . . . . . : 255.0.0.0
Lease Obtained. . . . . : 12 October 2024 12:41:08
Lease Expires . . . . . : 20 October 2024 12:41:08
Default Gateway . . . . . : 18.0.0.1
DHCP Server . . . . . : 18.0.0.2
DHCPv6 IAID . . . . . : 100666409
DHCPv6 Client DUID. . . . . : 00-01-00-01-2E-6D-F5-E4-00-0C-29-2E-12-82
DNS Servers . . . . . : 18.0.0.2
Primary WINS Server . . . . . : 18.0.0.2
NetBIOS over Tcpip. . . . . : Enabled

C:\Users\CLIENT_CAMACHO>ping 18.0.0.2

Pinging 18.0.0.2 with 32 bytes of data:
Request timed out.
Request timed out.
Request timed out.
Request timed out.

Ping statistics for 18.0.0.2:
    Packets: Sent = 4, Received = 0, Lost = 4 (100% loss),

C:\Users\CLIENT_CAMACHO>ipconfig /release

Windows IP Configuration

Ethernet adapter Ethernet0:

    Connection-specific DNS Suffix  . :
    Link-local IPv6 Address . . . . . : fe80::515d:25c9:6c61:2e0e%10
    Default Gateway . . . . . :

C:\Users\CLIENT_CAMACHO>ipconfig /renew

Windows IP Configuration

Ethernet adapter Ethernet0:

    Connection-specific DNS Suffix  . : umak.edu.ph
    Link-local IPv6 Address . . . . . : fe80::515d:25c9:6c61:2e0e%10
    IPv4 Address. . . . . : 18.0.0.13
    Subnet Mask . . . . . : 255.0.0.0
    Default Gateway . . . . . : 18.0.0.1

C:\Users\CLIENT_CAMACHO>ipconfigipconfigipconf
'ipconfigipconfigipconf' is not recognized as an internal or external command,
operable program or batch file.

C:\Users\CLIENT_CAMACHO>
C:\Users\CLIENT_CAMACHO>gumana na yung manual reservation based sa mac address ng client
```