Name: Muhammad Hamza (3B)

**Registration ID: 201977** 

**Subject:** Computer Network Lab

**Submitted To:** Sir Adnan Shah

**Date:** 02/11/2021

# **LAB MID TERM:**

## **IP ADDRESSING**

**Question 1:** Calculate Ip Addresses.

- 1 \* 201975 % 200. 1 \* 201975 % 200. 1 \* 201975 % 100. 1 \* 201975 % 100 = 175.175.75.75
- 2 \* 201976 % 200. 2 \* 201976 % 200. 2 \* 201976 % 100. 2 \* 201976 % 100 = 152.152.52.52
- 3 \* 201977 % 200. 3 \* 201977 % 200. 3 \* 201977 % 100. 3 \* 201977 % 100 = 131.131.31.31
- 4 \* 201910 % 200. 4 \* 201910 % 200. 4 \* 201910 % 100. 4 \* 201910 % 100 = 40.40.40.40
- 5 \* 201920 % 200. 5 \* 201920 % 200. 5 \* 201920 % 100. 5 \* 201920 % 100 = 0.0.0.0

| IP ADDRESS    | CLASS | USAGE  | STATUS       | TYPE    |
|---------------|-------|--------|--------------|---------|
| 175.175.75.75 | В     | PUBLIC | NOT RESERVED | VALID   |
| 152.152.52.52 | В     | PUBLIC | NOT RESERVED | VALID   |
| 131.131.31.31 | В     | PUBLIC | NOT RESERVED | VALID   |
| 40.40.40.40   | Α     | PUBLIC | NOT RESERVED | VALID   |
| 0.0.0.0       | Α     | PUBLIC | RESERVED     | INVALID |

## **Question 2:**

### **NET USER:**

- 1) For Creating User and Assigning Time
- 2) For Creating Local group
- 3) For adding user to the local group
- 4) For displaying user information

## Administrator: Command Prompt

## Administrator: Command Prompt

C:\Windows\system32> net localgroup examlocalgroup201977 /add The command completed successfully.

C:\Windows\system32>

## Administrator: Command Prompt

C:\Windows\system32> net localgroup examlocalgroup201977 examhamza201977 /add
The command completed successfully.

C:\Windows\system32>

## Mac Administrator: Command Prompt

C:\Windows\system32> net user examhamza201977 User name examhamza201977

Full Name Comment

User's comment

Country/region code 000 (System Default)

Account active Yes Account expires Never

 Password last set
 11/2/2021 9:14:52 AM

 Password expires
 12/14/2021 9:14:52 AM

 Password changeable
 11/2/2021 9:14:52 AM

Password required Yes
User may change password Yes

Workstations allowed

Logon script User profile Home directory

Last logon Never

Logon hours allowed Monday 11:00:00 AM - 5:00:00 PM

A11

Tuesday 11:00:00 AM - 5:00:00 PM Wednesday 11:00:00 AM - 5:00:00 PM Thursday 11:00:00 AM - 5:00:00 PM Friday 11:00:00 AM - 5:00:00 PM

Local Group Memberships \*examlocalgroup201977 \*Users

Global Group memberships \*None
The command completed successfully.

C:\Windows\system32>\_

### **Question 3:**

#### **TASK 1: ROUTE**

#### Administrator: Command Prompt

```
C:\Windows\system32> route print
Interface List
14...8c 16 45 fc da bc ......Intel(R) Ethernet Connection (4) I219-LM
 2...a0 a4 c5 97 1d 29 .....Microsoft Wi-Fi Direct Virtual Adapter
20...a2 a4 c5 97 1d 28 .....Microsoft Wi-Fi Direct Virtual Adapter #2
 9...00 50 56 c0 00 01 ......VMware Virtual Ethernet Adapter for VMnet1
19...00 50 56 c0 00 08 ......VMware Virtual Ethernet Adapter for VMnet8
17...a0 a4 c5 97 1d 28 ......Intel(R) Dual Band Wireless-AC 8265
 1.....Software Loopback Interface 1
IPv4 Route Table
Active Routes:
Network Destination
                        Netmask
                                        Gateway
                                                     Interface Metric
                                                  10.120.140.153
        0.0.0.0
                        0.0.0.0
                                    10.120.140.5
                                                                   50
    10.120.140.0
                  255.255.252.0
                                       On-link
                                                  10.120.140.153
                                                                   306
  10.120.140.153 255.255.255.255
                                       On-link
                                                  10.120.140.153
                                                                   306
  10.120.143.255 255.255.255.255
                                       On-link
                                                  10.120.140.153
                                                                   306
       127.0.0.0
                      255.0.0.0
                                       On-link
                                                     127.0.0.1
       127.0.0.1 255.255.255.255
                                       On-link
                                                      127.0.0.1
 127.255.255.255 255.255.255.255
                                                     127.0.0.1
                                       On-link
    192.168.91.0
                 255.255.255.0
                                       On-link
                                                    192.168.91.1
                                                                   291
    192.168.91.1 255.255.255.255
                                       On-link
                                                    192.168.91.1
                                                                   291
  192.168.91.255 255.255.255.255
                                       On-link
                                                   192.168.91.1
                                                                   291
                 255.255.255.0
                                                   192.168.119.1
   192.168.119.0
                                       On-link
                                                                   291
   192.168.119.1 255.255.255.255
                                       On-link
                                                   192.168.119.1
                                                                   291
 192.168.119.255 255.255.255.255
                                       On-link
                                                  192.168.119.1
                                                                   291
   216.58.208.78 255.255.255.255
                                  10.120.140.5
                                                  10.120.140.153
                    240.0.0.0
       224.0.0.0
                                      On-link
                                                     127.0.0.1
                                                                   331
                       240.0.0.0
       224.0.0.0
                                       On-link
                                                  10.120.140.153
                                                                   306
                                                  192.168.119.1
       224.0.0.0
                       240.0.0.0
                                       On-link
                                                                   291
                      240.0.0.0
                                       On-link
                                                   192.168.91.1
                                                                   291
       224.0.0.0
 255.255.255.255 255.255.255
                                       On-link
                                                      127.0.0.1
 255.255.255.255 255.255.255
                                       On-link
                                                10.120.140.153
                                                                  306
 255.255.255.255 255.255.255
                                       On-link
                                                 192.168.119.1
                                                                   291
 255.255.255.255 255.255.255.255
                                                   192.168.91.1
                                                                   291
                                       On-link
Persistent Routes:
 None
IPv6 Route Table
 ______
Active Routes:
If Metric Network Destination
                                Gateway
      331 ::1/128
                                 On-link
      306 fe80::/64
                                 On-link
                                 On-link
19
      291 fe80::/64
 9
      291 fe80::/64
                                 On-link
19
      291 fe80::d5a2:b2e7:1d6:f6e4/128
                                 On-link
      306 fe80::e167:ae28:f55a:8e23/128
                                 On-link
```

```
C:\Windows\system32>ipconfig
Windows IP Configuration
Ethernet adapter Ethernet:
  Media State . . . . . . . . : Media disconnected
  Connection-specific DNS Suffix .:
Wireless LAN adapter Local Area Connection* 1:
  Media State . . . . . . . . : Media disconnected
  Connection-specific DNS Suffix .:
Wireless LAN adapter Local Area Connection* 10:
  Media State . . . . . . . . : Media disconnected
  Connection-specific DNS Suffix .:
Ethernet adapter VMware Network Adapter VMnet1:
  Connection-specific DNS Suffix .:
  Link-local IPv6 Address . . . . : fe80::f0e9:d20c:c545:63a6%9
  IPv4 Address. . . . . . . . . . : 192.168.91.1
  Subnet Mask . . . . . . . . . : 255.255.255.0
  Default Gateway . . . . . . . :
Ethernet adapter VMware Network Adapter VMnet8:
  Connection-specific DNS Suffix .:
  Link-local IPv6 Address . . . . : fe80::d5a2:b2e7:1d6:f6e4%19
  IPv4 Address. . . . . . . . . : 192.168.119.1
  Subnet Mask . . . . . . . . . : 255.255.255.0
  Default Gateway . . . . . . . :
Wireless LAN adapter Wi-Fi:
  Connection-specific DNS Suffix .:
  Link-local IPv6 Address . . . . : fe80::e167:ae28:f55a:8e23%17
  IPv4 Address. . . . . . . . . : 10.120.140.153
  Subnet Mask . . . . . . . . . : 255.255.252.0
  Default Gateway . . . . . . . : 10.120.140.5
C:\Windows\system32>
```

#### Select Administrator: Command Prompt

```
C:\Windows\system32> ping Google.com

Pinging Google.com [216.58.208.78] with 32 bytes of data:

Reply from 216.58.208.78: bytes=32 time=52ms TTL=115

Reply from 216.58.208.78: bytes=32 time=47ms TTL=115

Reply from 216.58.208.78: bytes=32 time=47ms TTL=115

Reply from 216.58.208.78: bytes=32 time=47ms TTL=115

Ping statistics for 216.58.208.78:

Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),

Approximate round trip times in milli-seconds:

Minimum = 47ms, Maximum = 52ms, Average = 49ms

C:\Windows\system32>__
```

#### Administrator: Command Prompt

```
C:\Windows\system32> route add 216.58.208.78 10.120.140.5 metric 25
    OK!
C:\Windows\system32>
```

### Select Administrator: Command Prompt

```
Network Destination
                                                                                                           Netmask
                                                                                                                                                                                   Gateway
                                                                                                                                                                                                                                               Interface Metric
         10.120.140.0 255.255.252.0
10.120.140.153 255.255.255.255
                                                                                                                                                                             On-link
On-link
                                                                                                                                                                                                                              10.120.140.153
10.120.140.153
                                                                                                                                                                                                                                                                                                        306
                                                                                                                                                                                                                                                                                                         306
                                                                                                                                                                                                                                                                                                        306
331
                                                                                                                                                                                                                               10.120.140.153
                           127.0.0.0
                                                                                               255.0.0.0
                                                                                                                                                                               On-link
                                                                                                                                                                                                                                              127.0.0.1
   127.0.0.0 255.0.0.0 0 127.0.0.1 255.255.255 255.255 255.255.255 192.168.91.0 255.255.255.255 192.168.91.2 255.255.255.255 192.168.119.0 255.255.255.255 192.168.119.0 255.255.255.255 192.168.119.0 255.255.255.255 192.168.119.0 255.255.255.255 192.168.119.1 255.255.255.255 192.168.119.1 255.255.255.255 192.168.119.1 255.255.255.255 192.168.119.1 255.255.255.255 192.168.119.1 255.255.255.255 192.168.119.1 255.255.255.255 192.168.119.1 255.255.255.255 192.168.119.1 255.255.255.255 192.168.119.1 255.255.255.255 192.168.119.1 255.255.255.255 192.168.119.1 255.255.255.255 192.168.119.1 255.255.255.255 192.168.119.1 255.255.255.255 192.168.119.1 255.255.255.255 192.168.119.1 255.255.255 192.168.119.1 255.255.255.255 192.168.119.1 255.255.255.255 192.168.119.1 255.255.255.255 192.168.119.1 255.255.255.255 192.168.119.1 255.255.255.255 192.168.119.1 255.255.255.255 192.168.119.1 255.255.255.255 192.168.119.1 255.255.255.255 192.168.119.1 255.255.255.255 192.168.119.1 255.255.255.255 192.168.119.1 255.255.255.255 192.168.119.1 255.255.255.255 192.168.119.1 255.255.255.255 192.168.119.1 255.255.255.255 192.168.119.1 255.255.255 192.168.119.1 255.255.255 192.168.119.1 255.255.255 192.168.119.1 255.255.255 192.168.119.1 255.255 192.168.119.1 255.255 192.168.119.1 255.255 192.168.119.1 255.255 192.168.119.1 255.255 192.168.119.1 255.255 192.168.119.1 255.255 192.1 255.255 192.1 255.255 192.1 255.255 192.1 255.255 192.1 255.255 192.1 255.255 192.1 255.255 192.1 255.255 192.1 255.255 192.1 255.255 192.1 255.255 192.1 255.255 192.1 255.255 192.1 255.255 192.1 255.255 192.1 255.255 192.1 255.255 192.1 255.255 192.1 255.255 192.1 255.255 192.1 255.255 192.1 255.255 192.1 255.255 192.1 255.255 192.1 255.255 192.1 255.255 192.1 255.255 192.1 255.255 192.1 255.255 192.1 255.255 192.1 255.255 192.1 255.255 192.1 255.255 192.1 255.255 192.1 255.255 192.1 255.255 192.1 255.255 192.1 255.255 192.1 255.255 192.1 255.255 192.1 255.255 192.1 255.255 192.1 255.255 192.1 255.255 192.1 255.255 192.1 255.255 192.1 255.255 192.1 255.255 192.1 25
                                                                                                                                                                               On-link
On-link
                                                                                                                                                                                                                                                 127.0.0.1
127.0.0.1
                                                                                                                                                                                                                                                                                                        331
331
                                                                                                                                                                                                                                      192.168.91.1
                                                                                                                                                                                                                                                                                                         291
                                                                                                                                                                               On-link
On-link
                                                                                                                                                                                                                                     192.168.91.1
192.168.91.1
                                                                                                                                                                                                                                                                                                        291
291
                                                                                                                                                                                                                                                                                                        291
291
                                                                                                                                                                                                                                  192.168.119.1
                                                                                                                                                                               On-link
         216.58.208.78 255.255.255
224.0.0.0 240.0.0.0
                                                                                                                                                             10.120.140.5
                                                                                                                                                                                                                             10.120.140.153
                                                                                                                                                                                                                                                                                                          75
331
                             224.0.0.0
224.0.0.0
                                                                                                  240.0.0.0
240.0.0.0
                                                                                                                                                                               On-link
On-link
                                                                                                                                                                                                                             10.120.140.153
192.168.119.1
                                                                                                                                                                                                                                                                                                        306
291
                                                                                                                                                                                                                                    192.168.91.1
127.0.0.1
                                                                                                                                                                                                                                                                                                        291
331
                                                                                                    240.0.0.0
    255.255.255.255 255.255.255
255.255.255.255 255.255.255
255.255.255.255 255.255.255
                                                                                                                                                                               On-link
                                                                                                                                                                               On-link
                                                                                                                                                                                                                                  192.168.119.1
                                                                                                                                                                                                                                                                                                        291
                                                                                                                                                                                                                                   192.168.91.1
     255.255.255.255 255.255.255.255
                                                                                                                                                                               On-link
   ersistent Routes:
IPv6 Route Table
Active Routes:
1f Metric Network Destination
1 331 ::1/128
17 306 fe80::/64
19 291 fe80::/64
                                                                                                                                             On-link
                                                                                                                                                On-link
                                                                                                                                                   On-link
                         291 fe80::d5a2:b2e7:1d6:f6e4/128
                                                                                                                                                On-link
                                                                                                                                                  On-link
                                                                                                                                                 On-link
                                                                                                                                                  On-link
                         306 ff00::/8
291 ff00::/8
```

**TASK 2: NETSHARE** 

## Administrator: Command Prompt

| Administrator. Con  | mana rrompt |                |            |             |
|---|-------------|----------------|------------|-------------|
| C:\Windows\system32> netsh interface ip show tcpconnections |             |                |            |             |
| MIB-II TCP Connec   | tion Entry  |                |            |             |
| Local Address L   |             | Remote Address | Remote Por | t State     |
| 0.0.0.0   | 135         | 0.0.0.0        | 0          | Listen      |
| 10.120.140.153  | 139         | 0.0.0.0        | 0          | Listen      |
| 192.168.91.1  | 139         | 0.0.0.0        | 0          | Listen      |
| 192.168.119.1   | 139         | 0.0.0.0        | 0          | Listen      |
| 0.0.0.0   | 443         | 0.0.0.0        | 0          | Listen      |
| 0.0.0.0   | 623         | 0.0.0.0        | 0          | Listen      |
| 0.0.0.0   | 902         | 0.0.0.0        | 0          | Listen      |
| 0.0.0.0   | 912         | 0.0.0.0        | 0          | Listen      |
| 0.0.0.0   | 5040        | 0.0.0.0        | 0          | Listen      |
| 127.0.0.1   | 5939        | 0.0.0.0        | 0          | Listen      |
| 127.0.0.1   | 8307        | 0.0.0.0        | 0          | Listen      |
| 0.0.0.0   | 16992       | 0.0.0.0        | 0          | Listen      |
| 0.0.0.0   | 27036       | 0.0.0.0        | 0          | Listen      |
| 127.0.0.1   | 27060       | 0.0.0.0        | 0          | Listen      |
| 10.120.140.153  | 49197       | 162.254.196.84 | 27023      | Established |
| 10.120.140.153  | 49210       | 13.107.136.254 | 443        | Established |
| 10.120.140.153  | 49407       | 151.101.1.44   | 443        | Established |
| 127.0.0.1   | 49418       | 0.0.0.0        | 0          | Listen      |
| 10.120.140.153  | 49451       | 185.184.10.30  | 443        | Established |
| 10.120.140.153  | 49470       | 142.250.185.51 | 443        | Established |
| 10.120.140.153  | 49515       | 216.58.208.78  | 443        | Established |
| 10.120.140.153  | 49529       | 216.58.208.67  | 443        | Established |
| 10.120.140.153  | 49530       | 142.250.185.46 | 443        | Established |
| 10.120.140.153  | 49532       | 3.231.185.193  | 443        | Close Wait  |
| 10.120.140.153  | 49533       | 52.182.143.210 | 443        | Time Wait   |
| 10.120.140.153  | 49534       | 104.26.10.209  | 443        | Established |
| 10.120.140.153  | 49541       | 142.250.180.46 | 443        | Established |
| 10.120.140.153  | 49542       | 142.250.185.42 | 443        | Established |
| 10.120.140.153  | 49543       | 142.250.180.33 | 443        | Established |
| 10.120.140.153  | 49546       | 216.58.210.78  | 443        | Established |
| 10.120.140.153  | 49547       | 142.250.185.42 | 443        |             |
| 10.120.140.153  | 49548       | 216.58.209.138 | 443        | Established |
| 10.120.140.153  | 49549       | 142.250.185.42 | 443        | Established |
| 10.120.140.153  | 49550       | 142.250.185.46 | 443        | Established |
| 10.120.140.153  | 49551       | 216.58.209.142 | 443        | Established |
| 10.120.140.153  | 49552       | 216.58.209.142 | 443        | Established |
| 0.0.0.0   | 49664       | 0.0.0.0        | 0          | Listen      |
| 0.0.0.0   | 49665       | 0.0.0.0        | 0          | Listen      |
| 0.0.0.0   | 49666       | 0.0.0.0        | 0          | Listen      |
| 0.0.0.0   | 49667       | 0.0.0.0        | 0          | Listen      |
| 0.0.0.0   | 49668       | 0.0.0.0        | 0          | Listen      |
| 0.0.0.0   | 49685       | 0.0.0.0        | 0          | Listen      |
| 10.120.140.153  | 63968       | 20.198.162.78  | 443        | Established |
| 127.0.0.1   | 63989       | 127.0.0.1      | 63990      | Established |

Select Administrator: Command Prompt

| Select Administrate | or: Command | Prompt          |       |             |  |
|---------------------|-------------|-----------------|-------|-------------|--|
| 10.120.140.153      | 49543       | 142.250.180.33  | 443   | Established |  |
| 10.120.140.153      | 49546       | 216.58.210.78   | 443   | Established |  |
| 10.120.140.153      | 49547       | 142.250.185.42  | 443   | Established |  |
| 10.120.140.153      | 49548       | 216.58.209.138  | 443   | Established |  |
| 10.120.140.153      | 49549       | 142.250.185.42  | 443   | Established |  |
| 10.120.140.153      | 49550       | 142.250.185.46  | 443   | Established |  |
| 10.120.140.153      | 49551       | 216.58.209.142  | 443   | Established |  |
| 10.120.140.153      | 49552       | 216.58.209.142  | 443   | Established |  |
| 0.0.0.0             | 49664       | 0.0.0.0         | 0     | Listen      |  |
| 0.0.0.0             | 49665       | 0.0.0.0         | 0     | Listen      |  |
| 0.0.0.0             | 49666       | 0.0.0.0         | 0     | Listen      |  |
| 0.0.0.0             | 49667       | 0.0.0.0         | 0     | Listen      |  |
| 0.0.0.0             | 49668       | 0.0.0.0         | 0     | Listen      |  |
| 0.0.0.0             | 49685       | 0.0.0.0         | 0     | Listen      |  |
| 10.120.140.153      | 63968       | 20.198.162.78   | 443   | Established |  |
| 127.0.0.1           | 63989       | 127.0.0.1       | 63990 | Established |  |
| 127.0.0.1           | 63990       | 127.0.0.1       | 63989 | Established |  |
| 10.120.140.153      | 64030       | 52.205.225.16   | 443   | Close Wait  |  |
| 10.120.140.153      | 64044       | 3.209.95.43     | 443   | Close Wait  |  |
| 10.120.140.153      | 64068       | 3.209.55.121    | 443   | Established |  |
| 10.120.140.153      | 64073       | 34.203.127.195  | 443   | Established |  |
| 10.120.140.153      | 64191       | 23.54.90.8      | 443   | Close Wait  |  |
| 10.120.140.153      | 64192       | 23.54.90.8      | 443   | Close Wait  |  |
| 10.120.140.153      | 64198       | 93.184.220.29   | 80    | Close Wait  |  |
| 10.120.140.153      | 64213       | 23.215.197.169  | 80    | Close Wait  |  |
| 10.120.140.153      | 64214       | 23.215.197.169  | 80    | Close Wait  |  |
| 10.120.140.153      | 64215       | 23.215.197.169  | 80    | Close Wait  |  |
| 10.120.140.153      | 64216       | 23.215.197.169  | 80    | Close Wait  |  |
| 10.120.140.153      | 64217       | 23.215.197.169  | 80    | Close Wait  |  |
| 10.120.140.153      | 64218       | 23.215.197.169  | 80    | Close Wait  |  |
| 10.120.140.153      | 64219       | 59.103.129.80   | 443   | Close Wait  |  |
| 10.120.140.153      | 64220       | 59.103.129.80   | 443   | Close Wait  |  |
| 10.120.140.153      | 64247       | 52.139.174.67   | 443   | Close Wait  |  |
| 10.120.140.153      | 64249       | 35.172.160.140  | 443   | Close Wait  |  |
| 10.120.140.153      | 64252       | 20.198.162.76   | 443   | Established |  |
| 10.120.140.153      | 64559       | 142.250.102.188 | 5228  | Established |  |
| 10.120.140.153      | 64561       | 216.58.208.74   | 443   | Established |  |
| 10.120.140.153      | 64562       | 216.58.208.74   | 443   | Established |  |
| 10.120.140.153      | 64860       | 142.250.102.188 | 5228  | Established |  |
| 0.0.0.0             | 445         | 0.0.0.0         | 0     | Listen      |  |
| 0.0.0.0             | 5357        | 0.0.0.0         | 0     | Listen      |  |
| 0.0.0.0             | 35783       | 0.0.0.0         | 0     | Listen      |  |
|                     |             |                 |       |             |  |

C:\Windows\system32>

| C:\Windows\system32> netsh interface ip show udpconnections |              |  |  |  |
|---|--------------|--|--|--|
| MIB-II UDP Listener Entry                                   |              |  |  |  |
| Local Address   | LocalPort    |  |  |  |
| 10.120.140.153  | 137          |  |  |  |
| 192.168.91.1  | 137          |  |  |  |
| 192.168.119.1   | 137          |  |  |  |
| 10.120.140.153  | 138          |  |  |  |
| 192.168.91.1  | 138          |  |  |  |
| 192.168.119.1   | 138          |  |  |  |
| 0.0.0.0   | 500          |  |  |  |
| 10.120.140.153  | 1900         |  |  |  |
| 127.0.0.1   | 1900         |  |  |  |
| 192.168.91.1  | 1900         |  |  |  |
| 192.168.119.1   | 1900         |  |  |  |
| 10.120.140.153  | 2177         |  |  |  |
| 192.168.91.1  | 2177         |  |  |  |
| 192.168.119.1   | 2177         |  |  |  |
| 0.0.0.0   | 3702         |  |  |  |
| 0.0.0.0   | 3702         |  |  |  |
| 0.0.0.0<br>0.0.0.0  | 4500         |  |  |  |
| 0.0.0   | 5050<br>5353 |  |  |  |
| 0.0.0.0   | 5353         |  |  |  |
| 0.0.0.0   | 5353         |  |  |  |
| 0.0.0.0   | 5353         |  |  |  |
| 192.168.91.1  | 5353         |  |  |  |
| 192.168.100.211   | 5353         |  |  |  |
| 192.168.119.1   | 5353         |  |  |  |
| 0.0.0.0   | 5355         |  |  |  |
| 0.0.0   | 27036        |  |  |  |
| 0.0.0.0   | 53162        |  |  |  |
| 0.0.0.0   | 53910        |  |  |  |
| 0.0.0.0   | 54153        |  |  |  |
| 0.0.0.0   | 54511        |  |  |  |
| 192.168.91.1  | 54591        |  |  |  |
| 192.168.119.1   | 54592        |  |  |  |
| 10.120.140.153  | 54593        |  |  |  |
| 127.0.0.1   | 54594        |  |  |  |
| 0.0.0.0   | 58045        |  |  |  |
| 0.0.0.0   | 58292        |  |  |  |
| 0.0.0.0   | 59202        |  |  |  |
| 0.0.0.0   | 61718        |  |  |  |
| 127.0.0.1   | 62263        |  |  |  |
| 0.0.0.0   | 5353         |  |  |  |
| 0.0.0.0   | 5353         |  |  |  |
| 0.0.0.0   | 5353         |  |  |  |

#### Administrator: Command Prompt

```
C:\Windows\system32> netsh interface ip show config
Configuration for interface "Ethernet"
   DHCP enabled:
                                          Yes
    InterfaceMetric:
   DNS servers configured through DHCP: 192.168.100.1
    Register with which suffix:
                                          Primary only
   WINS servers configured through DHCP: None
Configuration for interface "Local Area Connection* 1"
   DHCP enabled:
                                          Yes
   InterfaceMetric:
                                          25
   DNS servers configured through DHCP:
                                         None
   Register with which suffix:
                                          Primary only
   WINS servers configured through DHCP: None
Configuration for interface "Local Area Connection* 10"
   DHCP enabled:
    InterfaceMetric:
                                          25
   DNS servers configured through DHCP: None
    Register with which suffix:
                                          Primary only
   WINS servers configured through DHCP: None
Configuration for interface "VMware Network Adapter VMnet1"
   DHCP enabled:
    IP Address:
                                          192.168.91.1
    Subnet Prefix:
                                          192.168.91.0/24 (mask 255.255.255.0)
    InterfaceMetric:
                                          35
   DNS servers configured through DHCP: None
    Register with which suffix:
                                          Primary only
   WINS servers configured through DHCP: None
Configuration for interface "VMware Network Adapter VMnet8"
   DHCP enabled:
                                          Yes
    IP Address:
                                          192.168.119.1
   Subnet Prefix:
                                          192.168.119.0/24 (mask 255.255.255.0)
    InterfaceMetric:
   DNS servers configured through DHCP: None
   Register with which suffix:
                                          Primary only
   WINS servers configured through DHCP: 192.168.119.2
Configuration for interface "Wi-Fi"
   DHCP enabled:
                                          Yes
    IP Address:
                                          10.120.140.153
   Subnet Prefix:
                                          10.120.140.0/22 (mask 255.255.252.0)
   Default Gateway:
                                          10.120.140.5
   Gateway Metric:
                                          0
    InterfaceMetric:
                                          50
   DNS servers configured through DHCP: 8.8.8.8
    Register with which suffix:
                                          Primary only
   WINS servers configured through DHCP: None
```