Mildred Suriel

Intro Info Tech

Week 10 - Networking

April 17th,2019

Networking

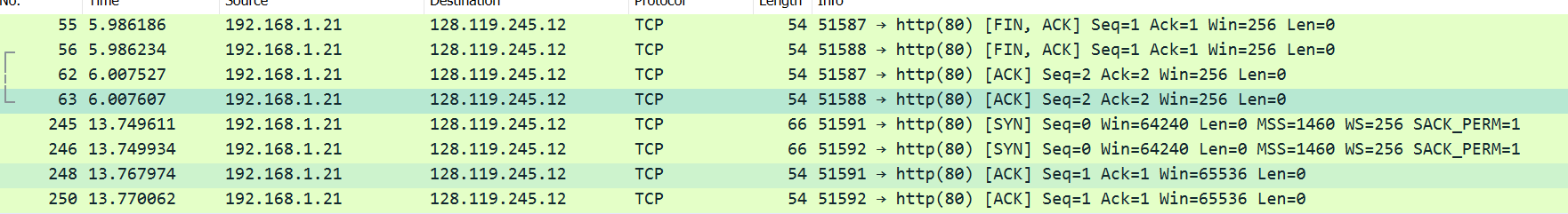
1. TCP, UDP, TLSv1.2, NBNS, LLMNR, GQUIC, ARP, DNS, CIP I/O, SSDP

2. 8 seconds

3.

128.119.245.12

public ip address : 71.233.3.3

4. 

Windows IP Configuration

Host Name . . . . . . . . . . . . : DESKTOP-TVJPO3M

Primary Dns Suffix . . . . . . . :

Node Type . . . . . . . . . . . . : Hybrid

IP Routing Enabled. . . . . . . . : No

WINS Proxy Enabled. . . . . . . . : No

Wireless LAN adapter Local Area Connection\* 2:

Media State . . . . . . . . . . . : Media disconnected

Connection-specific DNS Suffix . :

Description . . . . . . . . . . . : Microsoft Wi-Fi Direct Virtual Adapter

Physical Address. . . . . . . . . : 34-02-86-DD-D4-F8

DHCP Enabled. . . . . . . . . . . : Yes

Autoconfiguration Enabled . . . . : Yes

Wireless LAN adapter Local Area Connection\* 3:

Media State . . . . . . . . . . . : Media disconnected

Connection-specific DNS Suffix . :

Description . . . . . . . . . . . : Microsoft Wi-Fi Direct Virtual Adapter #3

Physical Address. . . . . . . . . : 36-02-86-DD-D4-F7

DHCP Enabled. . . . . . . . . . . : Yes

Autoconfiguration Enabled . . . . : Yes

Wireless LAN adapter Wi-Fi:

Connection-specific DNS Suffix . :

Description . . . . . . . . . . . : Intel(R) Dual Band Wireless-AC 7265

Physical Address. . . . . . . . . : 34-02-86-DD-D4-F7

DHCP Enabled. . . . . . . . . . . : Yes

Autoconfiguration Enabled . . . . : Yes

Link-local IPv6 Address . . . . . : fe80::ec3b:f47c:e195:af06%15(Preferred)

IPv4 Address. . . . . . . . . . . : 192.168.1.21(Preferred)

Subnet Mask . . . . . . . . . . . : 255.255.255.0

Lease Obtained. . . . . . . . . . : Wednesday, April 17, 2019 6:43:27 PM

Lease Expires . . . . . . . . . . : Thursday, April 18, 2019 11:00:19 PM

Default Gateway . . . . . . . . . : 192.168.1.1

DHCP Server . . . . . . . . . . . : 192.168.1.1

DHCPv6 IAID . . . . . . . . . . . : 53740166

DHCPv6 Client DUID. . . . . . . . : 00-01-00-01-20-5E-24-AB-34-02-86-DD-D4-F7

DNS Servers . . . . . . . . . . . : 192.168.1.1

NetBIOS over Tcpip. . . . . . . . : Enabled

C:\Users\Mildred>ping wikipedia.com

Pinging wikipedia.com [208.80.154.224] with 32 bytes of data:

Reply from 208.80.154.224: bytes=32 time=39ms TTL=54

Reply from 208.80.154.224: bytes=32 time=39ms TTL=54

Reply from 208.80.154.224: bytes=32 time=40ms TTL=54

Reply from 208.80.154.224: bytes=32 time=37ms TTL=54

Ping statistics for 208.80.154.224:

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

Approximate round trip times in milli-seconds:

Minimum = 37ms, Maximum = 40ms, Average = 38ms

C:\Users\Mildred>netstat -a

Active Connections

Proto Local Address Foreign Address State

TCP 0.0.0.0:135 DESKTOP-TVJPO3M:0 LISTENING

TCP 0.0.0.0:445 DESKTOP-TVJPO3M:0 LISTENING

TCP 0.0.0.0:5040 DESKTOP-TVJPO3M:0 LISTENING

TCP 0.0.0.0:6000 DESKTOP-TVJPO3M:0 LISTENING

TCP 0.0.0.0:9003 DESKTOP-TVJPO3M:0 LISTENING

TCP 0.0.0.0:49664 DESKTOP-TVJPO3M:0 LISTENING

TCP 0.0.0.0:49665 DESKTOP-TVJPO3M:0 LISTENING

TCP 0.0.0.0:49666 DESKTOP-TVJPO3M:0 LISTENING

TCP 0.0.0.0:49667 DESKTOP-TVJPO3M:0 LISTENING

TCP 0.0.0.0:49668 DESKTOP-TVJPO3M:0 LISTENING

TCP 0.0.0.0:49675 DESKTOP-TVJPO3M:0 LISTENING

TCP 0.0.0.0:56003 DESKTOP-TVJPO3M:0 LISTENING

TCP 127.0.0.1:5939 DESKTOP-TVJPO3M:0 LISTENING

TCP 127.0.0.1:6000 DESKTOP-TVJPO3M:49799 ESTABLISHED

TCP 127.0.0.1:6000 DESKTOP-TVJPO3M:49800 ESTABLISHED

TCP 127.0.0.1:6000 DESKTOP-TVJPO3M:49801 ESTABLISHED

TCP 127.0.0.1:49799 DESKTOP-TVJPO3M:6000 ESTABLISHED

TCP 127.0.0.1:49800 DESKTOP-TVJPO3M:6000 ESTABLISHED

TCP 127.0.0.1:49801 DESKTOP-TVJPO3M:6000 ESTABLISHED

TCP 192.168.1.21:139 DESKTOP-TVJPO3M:0 LISTENING

TCP 192.168.1.21:51041 52.165.171.165:https ESTABLISHED

TCP 192.168.1.21:51064 72.21.91.29:http CLOSE\_WAIT

TCP 192.168.1.21:51067 72.21.91.29:http LAST\_ACK

TCP 192.168.1.21:51073 72.21.91.29:http CLOSE\_WAIT

TCP 192.168.1.21:51078 qb-in-f188:5228 ESTABLISHED

^C

C:\Users\Mildred>route print

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Interface List

4...34 02 86 dd d4 f8 ......Microsoft Wi-Fi Direct Virtual Adapter

13...36 02 86 dd d4 f7 ......Microsoft Wi-Fi Direct Virtual Adapter #3

15...34 02 86 dd d4 f7 ......Intel(R) Dual Band Wireless-AC 7265

1...........................Software Loopback Interface 1

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IPv4 Route Table

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Active Routes:

Network Destination Netmask Gateway Interface Metric

0.0.0.0 0.0.0.0 192.168.1.1 192.168.1.21 50

127.0.0.0 255.0.0.0 On-link 127.0.0.1 331

127.0.0.1 255.255.255.255 On-link 127.0.0.1 331

127.255.255.255 255.255.255.255 On-link 127.0.0.1 331

192.168.1.0 255.255.255.0 On-link 192.168.1.21 306

192.168.1.21 255.255.255.255 On-link 192.168.1.21 306

192.168.1.255 255.255.255.255 On-link 192.168.1.21 306

224.0.0.0 240.0.0.0 On-link 127.0.0.1 331

224.0.0.0 240.0.0.0 On-link 192.168.1.21 306

255.255.255.255 255.255.255.255 On-link 127.0.0.1 331

255.255.255.255 255.255.255.255 On-link 192.168.1.21 306

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Persistent Routes:

None

IPv6 Route Table

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Active Routes:

If Metric Network Destination Gateway

1 331 ::1/128 On-link

15 306 fe80::/64 On-link

15 306 fe80::ec3b:f47c:e195:af06/128

On-link

1 331 ff00::/8 On-link

15 306 ff00::/8 On-link

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Persistent Routes:

None

C:\Users\Mildred>tracert wikipedia.com

Tracing route to wikipedia.com [208.80.154.224]

over a maximum of 30 hops:

1 4 ms 5 ms 2 ms 192.168.1.1

2 19 ms 11 ms 12 ms 96.120.68.85

3 14 ms 13 ms 17 ms 68.85.163.65

4 14 ms 15 ms 13 ms 96.108.71.45

5 22 ms 18 ms 13 ms be-1003-pe02.onesummer.ma.ibone.comcast.net [68.86.90.173]

6 12 ms 14 ms 11 ms 50.208.232.122

7 37 ms 38 ms 35 ms ae-2.r21.chcgil09.us.bb.gin.ntt.net [129.250.4.102]

8 42 ms 36 ms 39 ms ae-1.r23.asbnva02.us.bb.gin.ntt.net [129.250.2.138]

9 38 ms 38 ms 40 ms ae-2.r05.asbnva02.us.bb.gin.ntt.net [129.250.2.22]

10 51 ms 59 ms 42 ms ae-0.a03.asbnva02.us.bb.gin.ntt.net [129.250.5.194]

11 37 ms 39 ms 41 ms xe-0-0-28-0.a03.asbnva02.us.ce.gin.ntt.net [129.250.204.190]

12 38 ms 37 ms 42 ms text-lb.eqiad.wikimedia.org [208.80.154.224]

Trace complete.

C:\Users\Mildred>nslookup slashdot.org

Server: UnKnown

Address: 192.168.1.1

Non-authoritative answer:

Name: slashdot.org

Address: 216.105.38.15

C:\Users\Mildred>nslookup yahoo.com

Server: UnKnown

Address: 192.168.1.1

Non-authoritative answer:

Name: yahoo.com

Addresses: 2001:4998:44:41d::3

2001:4998:44:41d::4

2001:4998:c:1023::4

2001:4998:58:1836::11

2001:4998:c:1023::5

2001:4998:58:1836::10

98.138.219.232

98.138.219.231

72.30.35.10

98.137.246.8

72.30.35.9

98.137.246.7

C:\Users\Mildred>nslookup cis.necc.mass.edu

Server: UnKnown

Address: 192.168.1.1

Non-authoritative answer:

Name: cis.necc.mass.edu

Address: 134.241.28.242

C:\Users\Mildred>systeminfo

Host Name: DESKTOP-TVJPO3M

OS Name: Microsoft Windows 10 Home

OS Version: 10.0.17134 N/A Build 17134

OS Manufacturer: Microsoft Corporation

OS Configuration: Standalone Workstation

OS Build Type: Multiprocessor Free

Registered Owner: N/A

Registered Organization: N/A

Product ID: 00326-10000-00000-AA209

Original Install Date: 5/14/2018, 12:16:48 AM

System Boot Time: 4/15/2019, 1:16:42 AM

System Manufacturer: Hewlett-Packard

System Model: HP Spectre x360 Convertible 13

System Type: x64-based PC

Processor(s): 1 Processor(s) Installed.

[01]: Intel64 Family 6 Model 61 Stepping 4 GenuineIntel ~2401 Mhz

BIOS Version: American Megatrends Inc. F.2D, 10/23/2015

Windows Directory: C:\WINDOWS

System Directory: C:\WINDOWS\system32

Boot Device: \Device\HarddiskVolume2

System Locale: en-us;English (United States)

Input Locale: en-us;English (United States)

Time Zone: (UTC-05:00) Eastern Time (US & Canada)

Total Physical Memory: 8,110 MB

Available Physical Memory: 3,021 MB

Virtual Memory: Max Size: 12,718 MB

Virtual Memory: Available: 4,625 MB

Virtual Memory: In Use: 8,093 MB

Page File Location(s): C:\pagefile.sys

Domain: WORKGROUP

Logon Server: \\DESKTOP-TVJPO3M

Hotfix(s): 9 Hotfix(s) Installed.

[01]: KB4100347

[02]: KB4343669

[03]: KB4456655

[04]: KB4477137

[05]: KB4485449

[06]: KB4487038

[07]: KB4489907

[08]: KB4493478

[09]: KB4493464

Network Card(s): 1 NIC(s) Installed.

[01]: Intel(R) Dual Band Wireless-AC 7265

Connection Name: Wi-Fi

DHCP Enabled: Yes

DHCP Server: 192.168.1.1

IP address(es)

[01]: 192.168.1.21

[02]: fe80::ec3b:f47c:e195:af06

Hyper-V Requirements: VM Monitor Mode Extensions: Yes

Virtualization Enabled In Firmware: Yes

Second Level Address Translation: Yes

Data Execution Prevention Available: Yes