

WebTechGyak.

4. Gyakorlat

Tóth Miklós BSc

E3R6AN

Villamosmérnöki szak

03.03.

1.Feladat

a. ipconfig /all

```
Administrator: Parancssor
(c) 2020 Microsoft Corporation. Minden jog fenntartva.
C:\Users\Miki>ipconfig /all

Windows IP Configuration

Host Name . . . . . : miki-laptop
Primary Dns Suffix . . . . . :
Node Type . . . . . : Hybrid
IP Routing Enabled. . . . . : No
WINS Proxy Enabled. . . . . : No

Ethernet adapter Ethernet:

Media State . . . . . : Media disconnected
Connection-specific DNS Suffix . :
Description . . . . . : Realtek PCIe GBE Family Controller
Physical Address. . . . . : 54-AB-3A-1C-67-40
DHCP Enabled. . . . . : Yes
Autoconfiguration Enabled . . . . : Yes

Unknown adapter Helyi kapcsolat:

Media State . . . . . : Media disconnected
Connection-specific DNS Suffix . :
Description . . . . . : TAP-ProtonVPN Windows Adapter V9
Physical Address. . . . . : 00-FF-1E-D2-9C-34
DHCP Enabled. . . . . : Yes
Autoconfiguration Enabled . . . . : Yes

Wireless LAN adapter Helyi kapcsolat* 2:

Media State . . . . . : Media disconnected
Connection-specific DNS Suffix . :
Description . . . . . : Microsoft Wi-Fi Direct Virtual Adapter #2
Physical Address. . . . . : 4A-E2-44-AE-CE-C1
DHCP Enabled. . . . . : Yes
Autoconfiguration Enabled . . . . : Yes

Wireless LAN adapter Helyi kapcsolat* 4:

Media State . . . . . : Media disconnected
Connection-specific DNS Suffix . :
Description . . . . . : Microsoft Wi-Fi Direct Virtual Adapter #3
Physical Address. . . . . : 5A-E2-44-AE-CE-C1
DHCP Enabled. . . . . : No
Autoconfiguration Enabled . . . . : Yes

Wireless LAN adapter Wi-Fi:

Connection-specific DNS Suffix . :
Description . . . . . : Qualcomm Atheros QCA61x4A Wireless Network Adapter
Physical Address. . . . . : 48-E2-44-AE-CE-C1
DHCP Enabled. . . . . : Yes
Autoconfiguration Enabled . . . . : Yes
IPv4 Address. . . . . : 192.168.1.82(Preferred)
Subnet Mask . . . . . : 255.255.255.0
Lease Obtained. . . . . : 2021. március 3., szerda 8:13:35
Lease Expires . . . . . : 2021. március 3., szerda 14:13:33
Default Gateway . . . . . : 192.168.1.254

Physical Address. . . . . : 5A-E2-44-AE-CE-C1
DHCP Enabled. . . . . : No
Autoconfiguration Enabled . . . . : Yes

Wireless LAN adapter Wi-Fi:

Connection-specific DNS Suffix . :
Description . . . . . : Qualcomm Atheros QCA61x4A Wireless Network Adapter
Physical Address. . . . . : 48-E2-44-AE-CE-C1
DHCP Enabled. . . . . : Yes
Autoconfiguration Enabled . . . . : Yes
IPv4 Address. . . . . : 192.168.1.82(Preferred)
Subnet Mask . . . . . : 255.255.255.0
Lease Obtained. . . . . : 2021. március 3., szerda 8:13:35
Lease Expires . . . . . : 2021. március 3., szerda 14:13:33
Default Gateway . . . . . : 192.168.1.254
DHCP Server . . . . . : 192.168.1.254
DNS Servers . . . . . : 192.168.1.254
NetBIOS over Tcpip. . . . . : Enabled

Ethernet adapter Bluetooth hálózati kapcsolat:

Media State . . . . . : Media disconnected
Connection-specific DNS Suffix . :
Description . . . . . : Bluetooth Device (Personal Area Network)
Physical Address. . . . . : 48-E2-44-AE-CE-C2
DHCP Enabled. . . . . : Yes
Autoconfiguration Enabled . . . . : Yes

C:\Users\Miki>
```

Az ipconfig /all végrehajtásával teljes konfigurációt jelenítettünk meg

b. ping uni-miskolc.hu

```
C:\Users\Miki>ping uni-miskolc.hu

Pinging uni-miskolc.hu [193.6.10.2] with 32 bytes of data:
Request timed out.
Request timed out.
Request timed out.
Request timed out.

Ping statistics for 193.6.10.2:
    Packets: Sent = 4, Received = 0, Lost = 4 (100% loss),
```

A pinggel lemérhető az od-vissza út hossza időben

c. tracert uni-miskolc.hu

```
Kijelölés Administrator: Parancssor - tracert uni-miskolc.hu
C:\Users\Miki>tracert uni-miskolc.hu

Tracing route to uni-miskolc.hu [193.6.10.2]
over a maximum of 30 hops:

  0  65 ms  111 ms  146 ms  192.168.1.254
  1  20 ms  198 ms  198 ms  145.236.238.24
  2  294 ms  102 ms  52 ms  81.183.3.168
  3  93 ms  183 ms  219 ms  81.183.3.169
  4  89 ms  199 ms  115 ms  81.183.2.167
  5  178 ms  184 ms  247 ms  hge0-0-0-0.core2.vh.hbone.hu [195.111.100.80]
  6  278 ms  115 ms  259 ms  hge0-0-0-0.rtr.miskolc.hbone.hu [195.111.111.55]
  7  40 ms  168 ms  196 ms  193.225.57.82
  8  *      *      *      Request timed out.
  9  *      *      *      Request timed out.
 10 *      *      *      Request timed out.
 11 *      *      *      Request timed out.
 12 *      *      *      Request timed out.
 13 *      *      *      Request timed out.
 14 *      *      *      Request timed out.
 15 *      *      *      Request timed out.
 16 *      *      *      Request timed out.
 17 *      *      *      Request timed out.
 18 *      *      *      Request timed out.
 19 *      *      *      Request timed out.
 20 *      *      *      Request timed out.
 21 *      *      *      Request timed out.
 22 *      *      *      Request timed out.
 23 *      *      *      Request timed out.
 24 *      *      *      Request timed out.
 25 *      *      *      Request timed out.
 26 *      *      *      Request timed out.
 27 *      *      *      Request timed out.
 28 *      *      *      Request timed out.
 29 *      *      *      Request timed out.
 30 *      *      *      Request timed out.

Trace complete.
```

A tracert program lépésenként megvizsgál minden hostot a célállomásig, ami jelen esetben az uni-miskolc.hu volt

d. route print

```
Administrator: Parancssor
C:\Users\Miki>route print

=====
Interface List
12...54 ab 3a 1c 67 40 .....Realtek PCIe GBE Family Controller
4...00 ff 1e d2 9c 34 .....TAP-ProtonVPN Windows Adapter V9
15...4a e2 44 ae ce c1 .....Microsoft Wi-Fi Direct Virtual Adapter #2
13...5a e2 44 ae ce c1 .....Microsoft Wi-Fi Direct Virtual Adapter #3
20...48 e2 44 ae ce c1 .....Qualcomm Atheros QCA61x4A Wireless Network Adapter
10...48 e2 44 ae ce c2 .....Bluetooth Device (Personal Area Network)
1.....Software Loopback Interface 1
=====

IPv4 Route Table
=====
Active Routes:
Network Destination        Netmask          Gateway           Interface        Metric
0.0.0.0                    0.0.0.0          192.168.1.254     192.168.1.82     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           192.168.1.82     306
192.168.1.82               255.255.255.255 On-link           192.168.1.82     306
192.168.1.255              255.255.255.255 On-link           192.168.1.82     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           192.168.1.82     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           192.168.1.82     306
=====
Persistent Routes:
None

Administrator: Parancssor

192.168.1.82 255.255.255.255 On-link 192.168.1.82 306
192.168.1.255 255.255.255.255 On-link 192.168.1.82 306
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 192.168.1.82 306
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 192.168.1.82 306
=====
Persistent Routes:
None

IPv6 Route Table
=====
Active Routes:
If Metric Network Destination Gateway
1 331 ::1/128 On-link
1 331 ff00::/8 On-link
=====
Persistent Routes:
None

C:\Users\Miki>
```

A route parancs a számítógép útvonal táblázatának kezelésére szolgál.

e. nslookup uni-miskolc.hu

```
C:\Users\Miki>nslookup uni-miskolc.hu
Server:      UnKnown
Address:     192.168.1.254

Non-authoritative answer:
Name:        uni-miskolc.hu
Address:     193.6.10.2
```

Ezzel az egyszerű paranccsal megtudható a domain név IP címe, valamint a dns szerver, amely választ adott a kérésre.

2.Feladat

a. weblap1.html

b. E3R6AN_TM.html

c. weblap2.html

d. bekezdés.html