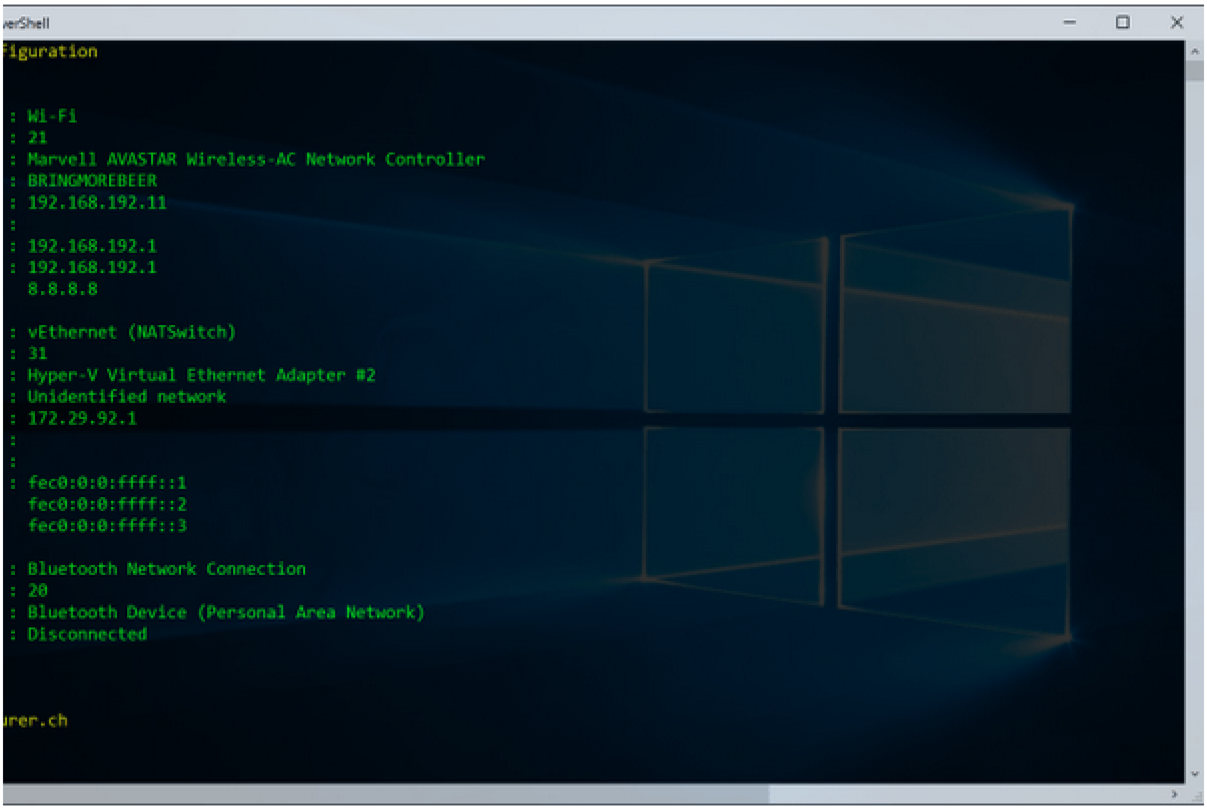
禪

[illegible]

11 [illegible]

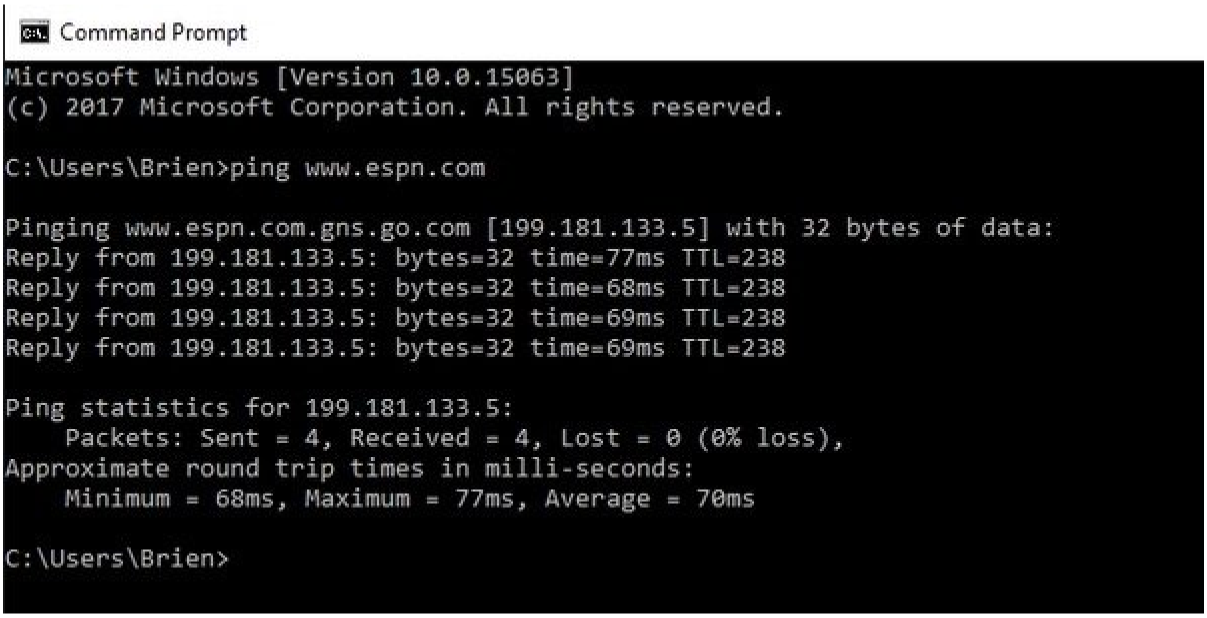


```
figuration


: Wi-Fi
: 21
: Marvell AVASTAR Wireless-AC Network Controller
: BRINGMOREBEER
: 192.168.192.11
:
: 192.168.192.1
: 192.168.192.1
  8.8.8.8

: vEthernet (NATSwitch)
: 31
: Hyper-V Virtual Ethernet Adapter #2
: Unidentified network
: 172.29.92.1
:
:
: fec0:0:0:ffff::1
  fec0:0:0:ffff::2
  fec0:0:0:ffff::3

: Bluetooth Network Connection
: 20
: Bluetooth Device (Personal Area Network)
: Disconnected


rer.ch
```

[illegible] 11 [illegible]

Ping

[illegible] Ping [illegible] Ping [illegible] Ping [illegible] Ping [illegible]



```
Microsoft Windows [Version 10.0.15063]
(c) 2017 Microsoft Corporation. All rights reserved.

C:\Users\Brien>ping www.espn.com

Pinging www.espn.com.gns.go.com [199.181.133.5] with 32 bytes of data:
Reply from 199.181.133.5: bytes=32 time=77ms TTL=238
Reply from 199.181.133.5: bytes=32 time=68ms TTL=238
Reply from 199.181.133.5: bytes=32 time=69ms TTL=238
Reply from 199.181.133.5: bytes=32 time=69ms TTL=238

Ping statistics for 199.181.133.5:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:
    Minimum = 68ms, Maximum = 77ms, Average = 70ms

C:\Users\Brien>
```

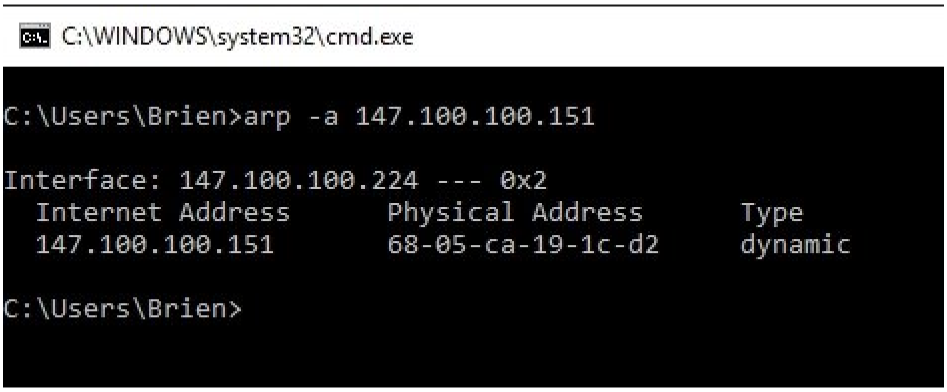
NetStat

[illegible] NetStat [illegible] NetStat –e [illegible].

ARP

[illegible] ARP [illegible] Address Resolution Protocol [illegible] Media Access Control [illegible] MAC [illegible] Address Resolution Protocol [illegible].

[illegible] ARP [illegible] ARP [illegible] ARP –A [illegible] ARP –A [illegible].



```
C:\Users\Brien>arp -a 147.100.100.151

Interface: 147.100.100.224 --- 0x2
  Internet Address      Physical Address      Type
  147.100.100.151       68-05-ca-19-1c-d2     dynamic

C:\Users\Brien>
```

NbtStat

[illegible]

[illegible] (domain name) [illegible] workgroup) (name [illegible] NetBIOS [illegible].

[illegible] NetBIOS [illegible] broadcast, LMHost lookup [illegible] WINS [illegible].

[illegible] NetBIOS [illegible] TCP/IP [illegible] NbtStat [illegible] NbtStat –n [illegible] NetBIOS [illegible] NbtStat –r [illegible] NetBIOS [illegible].

Hostname

[illegible] NbtStat [illegible] Hostname [illegible] Hostname [illegible].

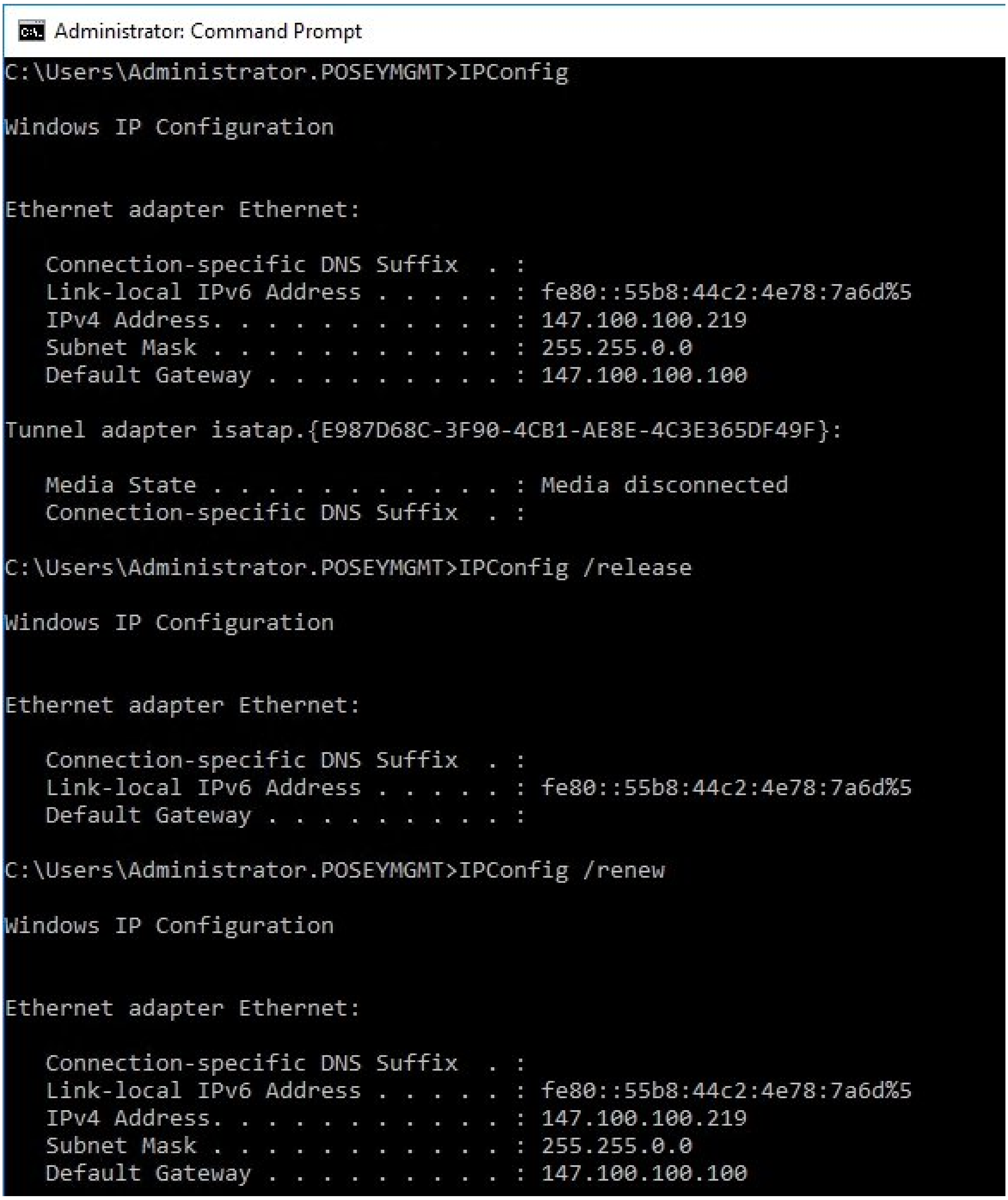
Tracert

[illegible] Tracert [illegible] Tracert [illegible] Trace Route [illegible].

[illegible] Tracert [illegible] Ping [illegible] Tracert [illegible] ICMP [illegible] TTL [illegible].

IpConfig

[illegible] IpConfig [illegible] IpConfig [illegible] IpConfig [illegible].



Administrator: Command Prompt

```
C:\Users\Administrator.POSEYMGMT>IPConfig

Windows IP Configuration


Ethernet adapter Ethernet:

   Connection-specific DNS Suffix  . :
   Link-local IPv6 Address . . . . . : fe80::55b8:44c2:4e78:7a6d%5
   IPv4 Address. . . . . . . . . . . : 147.100.100.219
   Subnet Mask . . . . . . . . . . . : 255.255.0.0
   Default Gateway . . . . . . . . . : 147.100.100.100

Tunnel adapter isatap.{E987D68C-3F90-4CB1-AE8E-4C3E365DF49F}:

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

C:\Users\Administrator.POSEYMGMT>IPConfig /release

Windows IP Configuration


Ethernet adapter Ethernet:

   Connection-specific DNS Suffix  . :
   Link-local IPv6 Address . . . . . : fe80::55b8:44c2:4e78:7a6d%5
   Default Gateway . . . . . . . . . :

C:\Users\Administrator.POSEYMGMT>IPConfig /renew

Windows IP Configuration


Ethernet adapter Ethernet:

   Connection-specific DNS Suffix  . :
   Link-local IPv6 Address . . . . . : fe80::55b8:44c2:4e78:7a6d%5
   IPv4 Address. . . . . . . . . . . : 147.100.100.219
   Subnet Mask . . . . . . . . . . . : 255.255.0.0
   Default Gateway . . . . . . . . . : 147.100.100.100
```

[illegible] IPConfig /all [illegible]. [illegible]. [illegible] DNS [illegible].

[illegible] IPConfig [illegible]. [illegible] DNS [illegible] DHCP [illegible]. [illegible] IPConfig /FlushDNS [illegible] DNS resolver [illegible].

NSLookup

NSLookup [illegible] DNS [illegible]. [illegible] NSLookup [illegible] DNS [illegible]. [illegible] DNS [illegible].

Route

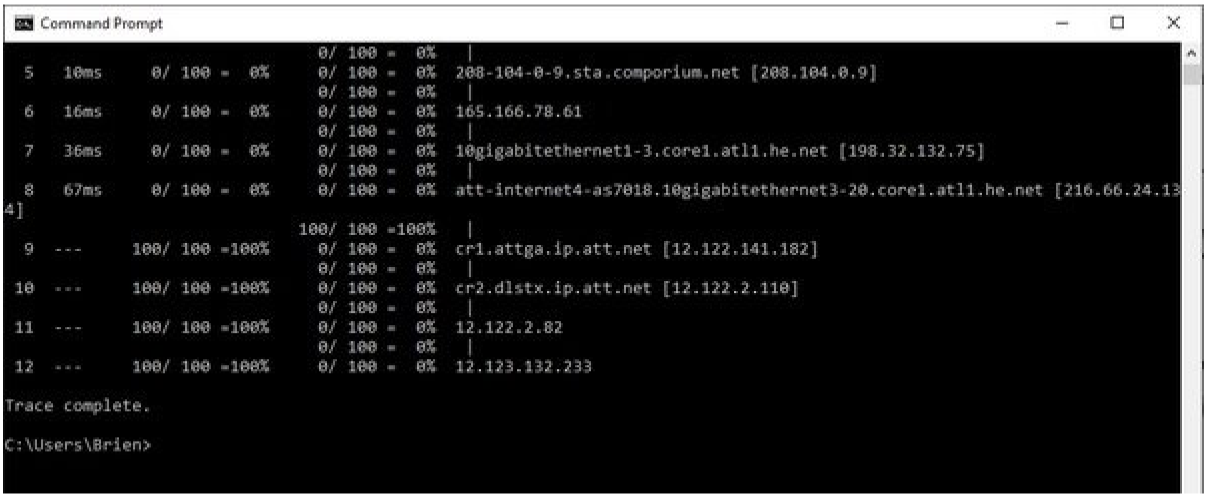
[illegible]. [illegible] Route [illegible]. [illegible] Route Print [illegible].

[illegible] Route [illegible]. [illegible] Route Add, Route Delete [illegible] Route Change [illegible]. [illegible] P– [illegible].

PathPing

[illegible] Ping [illegible] Tracert [illegible]. [illegible] PathPing [illegible] Ping [illegible] Tracert [illegible].

[illegible] PathPing [illegible] Tracert [illegible]. [illegible] 300 [illegible] ([illegible]) [illegible]. [illegible] Ping [illegible] Tracert [illegible].



```
                              0/ 100 =  0%   |
  5   10ms     0/ 100 =  0%     0/ 100 =  0%  208-104-0-9.sta.comporium.net [208.104.0.9]
                              0/ 100 =  0%   |
  6   16ms     0/ 100 =  0%     0/ 100 =  0%  165.166.78.61
                              0/ 100 =  0%   |
  7   36ms     0/ 100 =  0%     0/ 100 =  0%  10gigabitethernet1-3.core1.atl1.he.net [198.32.132.75]
                              0/ 100 =  0%   |
  8   67ms     0/ 100 =  0%     0/ 100 =  0%  att-internet4-as7018.10gigabitethernet3-20.core1.atl1.he.net [216.66.24.13
4]
                            100/ 100 =100%   |
  9  ---     100/ 100 =100%     0/ 100 =  0%  cr1.attga.ip.att.net [12.122.141.182]
                              0/ 100 =  0%   |
 10  ---     100/ 100 =100%     0/ 100 =  0%  cr2.dlstx.ip.att.net [12.122.2.110]
                              0/ 100 =  0%   |
 11  ---     100/ 100 =100%     0/ 100 =  0%  12.122.2.82
                              0/ 100 =  0%   |
 12  ---     100/ 100 =100%     0/ 100 =  0%  12.123.132.233

Trace complete.

C:\Users\Brien>
```

NetDiag

[illegible] NetDiag [illegible]. NetDiag [illegible].

[illegible]. [illegible] NetDiag [illegible].

[illegible] NetDiag [illegible]. [illegible] Fix/ [illegible] NetDiag [illegible].

[illegible]. [illegible].

[illegible].

[illegible]:
[illegible]
[illegible]:
techgenix
[illegible]:
10 [illegible]
[illegible]
[illegible]
[illegible]:
19:40 - 10/04/1397
[illegible]:
[illegible]

[illegible]
[illegible]: https://www.shabakeh-mag.com/networking-technology/13377/11-%D9%81%D8%B1%D9%85%D8%A7%D9%86-%D8%B4%D8%A8%DA%A9%D9%87-%D8%AF%D8%B1-%D9%88%DB%8C%D9%86%D8%AF%D9%88%D8%B2-%DA%A9%D9%87-%D9%87%D8%B1-%D9%85%D8%AF%DB%8C%D8%B1-%D8%B4%D8%A8%DA%A9%D9%87%E2%80%8E%D8%A7%DB%8C-%D8%A8%D8%A7%DB%8C%D8%AF-%D8%A7%D8%B2-%D8%A2%D9%86-%D8%A2%DA%AF%D8%A7%D9%87-%D8%A8%D8%A7%D8%B4%D8%AF