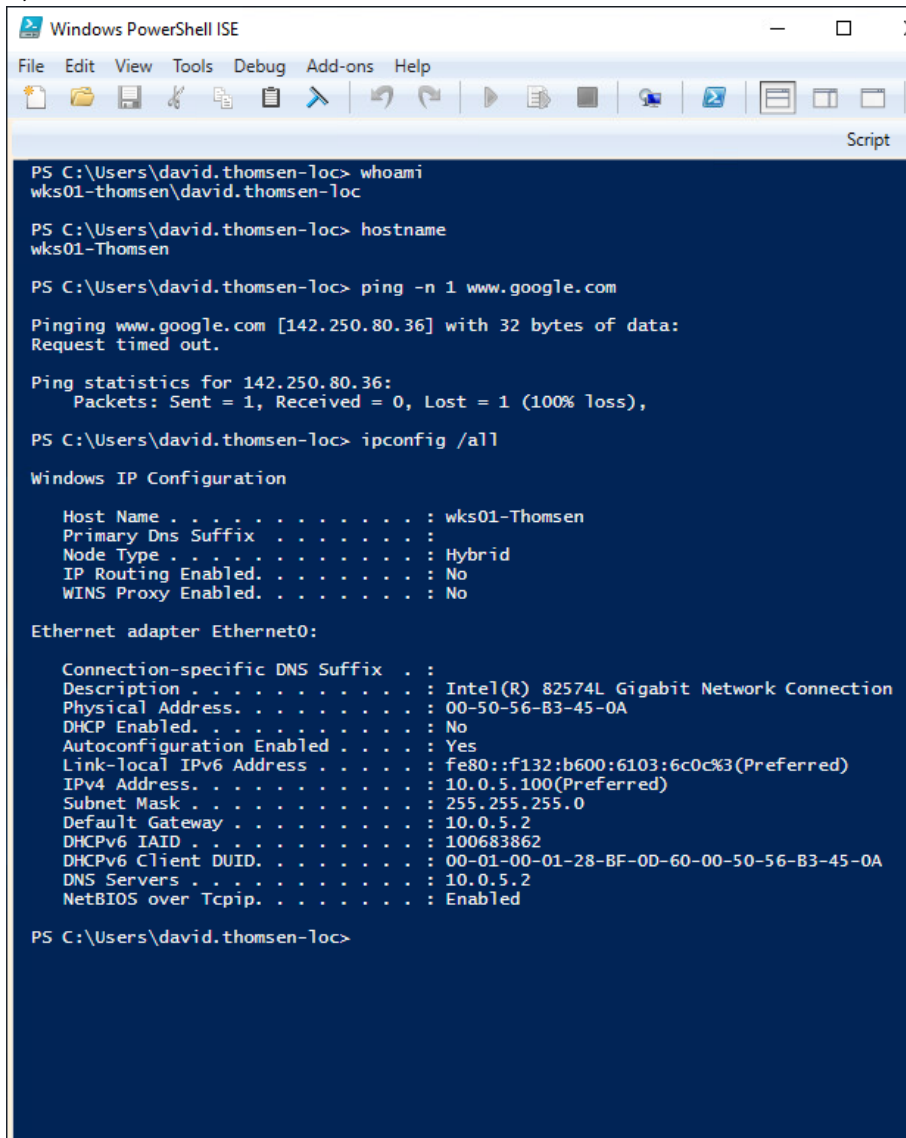David Thomsen
SYS-255

1)

```
[2.5.2-RELEASE][root@fw1-david.david.local]/root: ping champlain.edu
PING champlain.edu (208.115.107.132): 56 data bytes
64 bytes from 208.115.107.132: icmp_seq=36 ttl=49 time=101.293 ms
64 bytes from 208.115.107.132: icmp_seq=37 ttl=49 time=105.237 ms
64 bytes from 208.115.107.132: icmp_seq=38 ttl=49 time=87.493 ms
64 bytes from 208.115.107.132: icmp_seq=39 ttl=49 time=88.243 ms
```

2)

```
Windows PowerShell ISE                                    —   □   ✕

File  Edit  View  Tools  Debug  Add-ons  Help

                                                          Script

PS C:\Users\david.thomsen-loc> whoami
wks01-thomsen\david.thomsen-loc

PS C:\Users\david.thomsen-loc> hostname
wks01-Thomsen

PS C:\Users\david.thomsen-loc> ping -n 1 www.google.com

Pinging www.google.com [142.250.80.36] with 32 bytes of data:
Request timed out.

Ping statistics for 142.250.80.36:
    Packets: Sent = 1, Received = 0, Lost = 1 (100% loss),

PS C:\Users\david.thomsen-loc> ipconfig /all

Windows IP Configuration

    Host Name . . . . . . . . . . . . : wks01-Thomsen
    Primary Dns Suffix  . . . . . . . :
    Node Type . . . . . . . . . . . . : Hybrid
    IP Routing Enabled. . . . . . . . : No
    WINS Proxy Enabled. . . . . . . . : No

Ethernet adapter Ethernet0:

    Connection-specific DNS Suffix  . :
    Description . . . . . . . . . . . : Intel(R) 82574L Gigabit Network Connection
    Physical Address. . . . . . . . . : 00-50-56-B3-45-0A
    DHCP Enabled. . . . . . . . . . . : No
    Autoconfiguration Enabled . . . . : Yes
    Link-local IPv6 Address . . . . . : fe80::f132:b600:6103:6c0c%3(Preferred)
    IPv4 Address. . . . . . . . . . . : 10.0.5.100(Preferred)
    Subnet Mask . . . . . . . . . . . : 255.255.255.0
    Default Gateway . . . . . . . . . : 10.0.5.2
    DHCPv6 IAID . . . . . . . . . . . : 100683862
    DHCPv6 Client DUID. . . . . . . . : 00-01-00-01-28-BF-0D-60-00-50-56-B3-45-0A
    DNS Servers . . . . . . . . . . . : 10.0.5.2
    NetBIOS over Tcpip. . . . . . . . : Enabled

PS C:\Users\david.thomsen-loc>
```
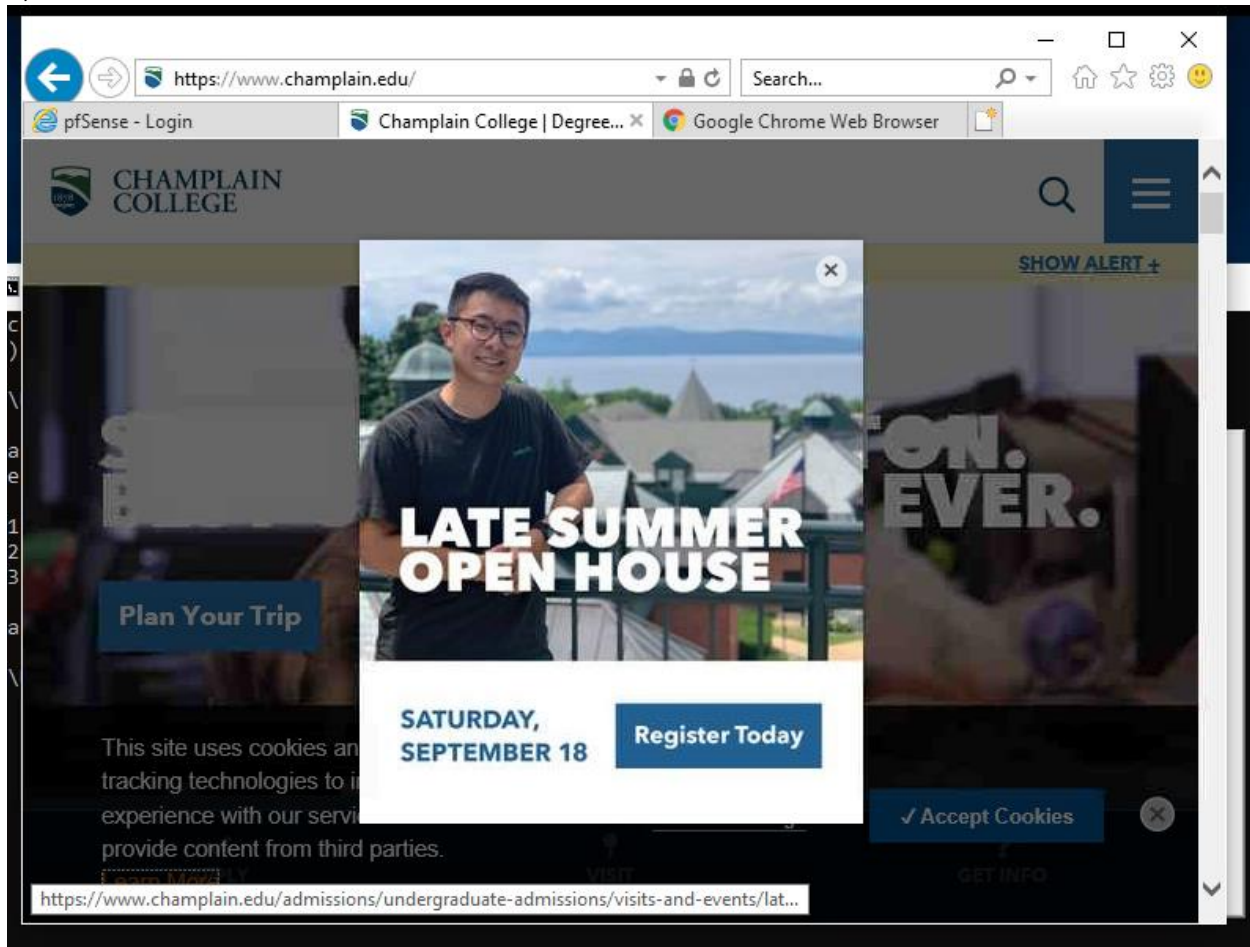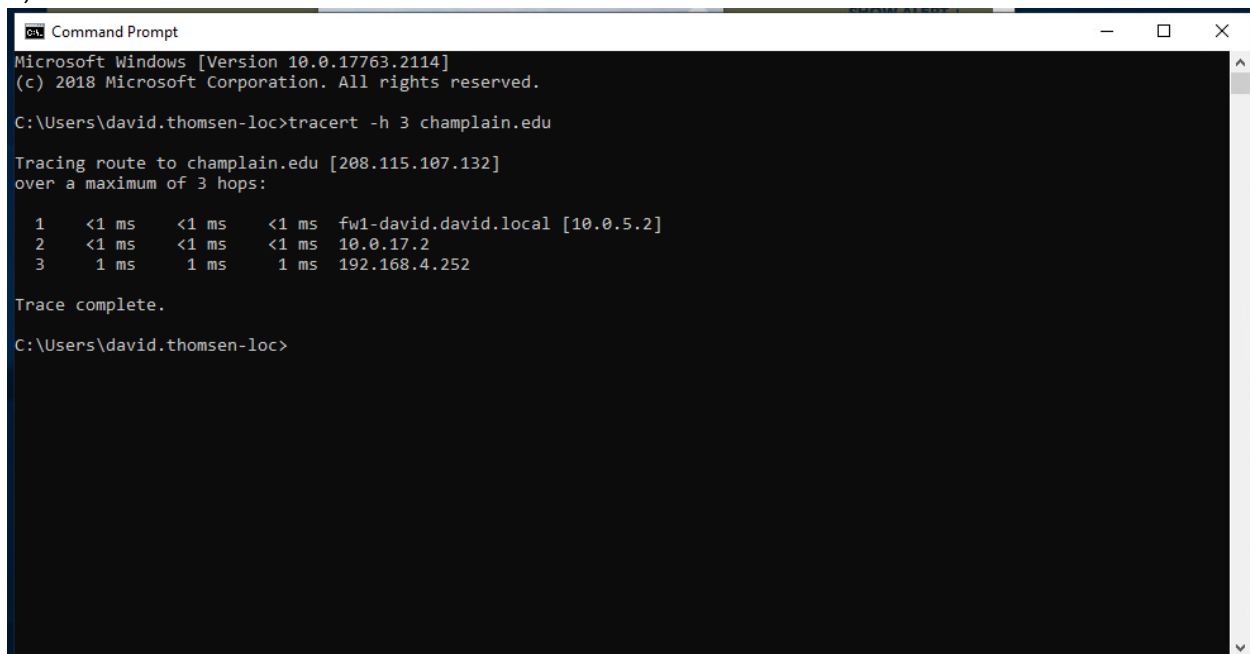
3)

4)


```
Command Prompt                                                    —    □    ×
Microsoft Windows [Version 10.0.17763.2114]
(c) 2018 Microsoft Corporation. All rights reserved.

C:\Users\david.thomsen-loc>tracert -h 3 champlain.edu

Tracing route to champlain.edu [208.115.107.132]
over a maximum of 3 hops:

  1    <1 ms    <1 ms    <1 ms  fw1-david.david.local [10.0.5.2]
  2    <1 ms    <1 ms    <1 ms  10.0.17.2
  3     1 ms     1 ms     1 ms  192.168.4.252

Trace complete.

C:\Users\david.thomsen-loc>
```

5) I was unfamiliar with much of this lab and did not have previous experience with any of it. Setting up a WAN and LAN interface, Using both a firewall and a workstation together at the same time, and setting up ipv4 protocol.

7) https://github.com/dthomsen116/SYS_255/wiki/Thomsen-SYS255-Lab01