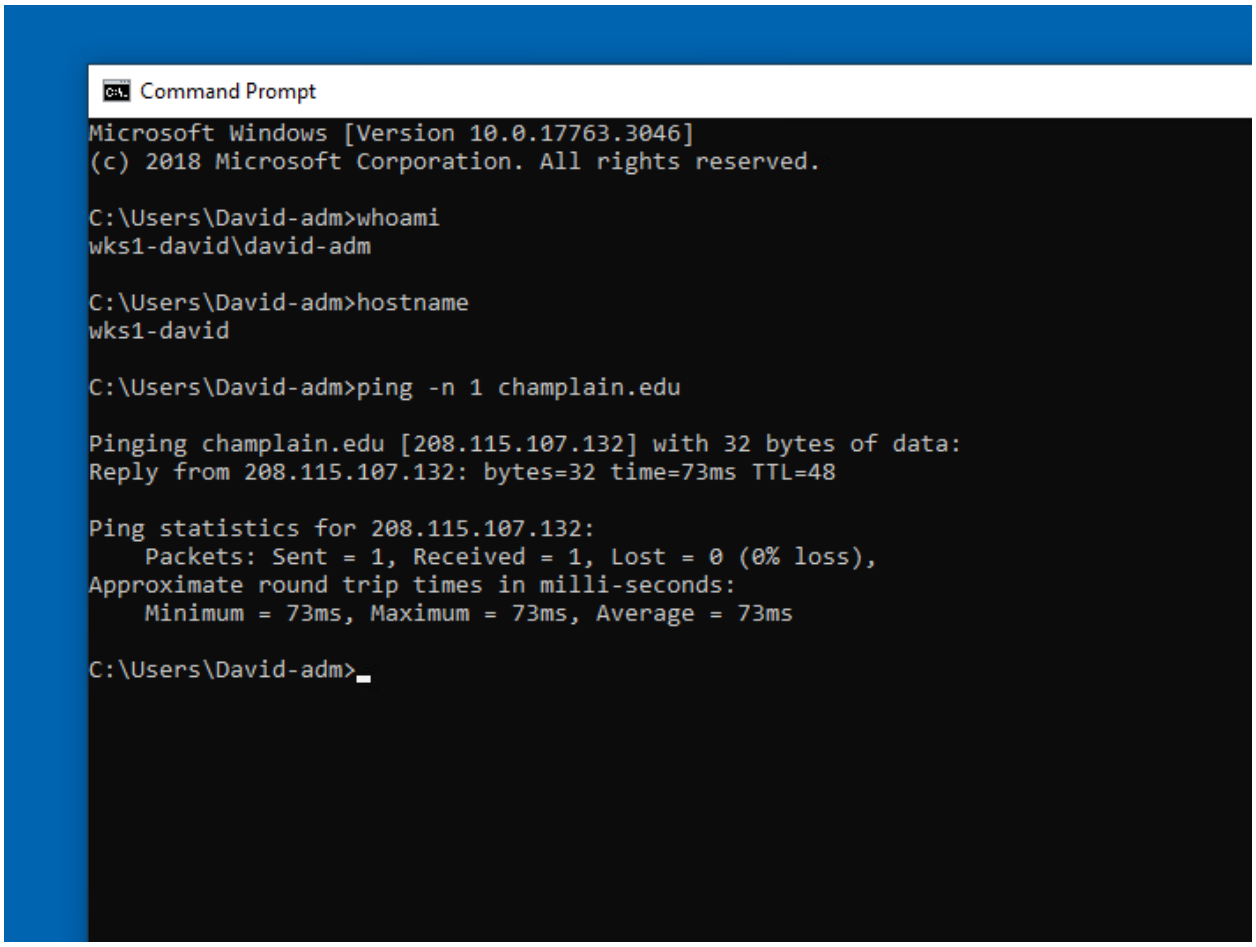
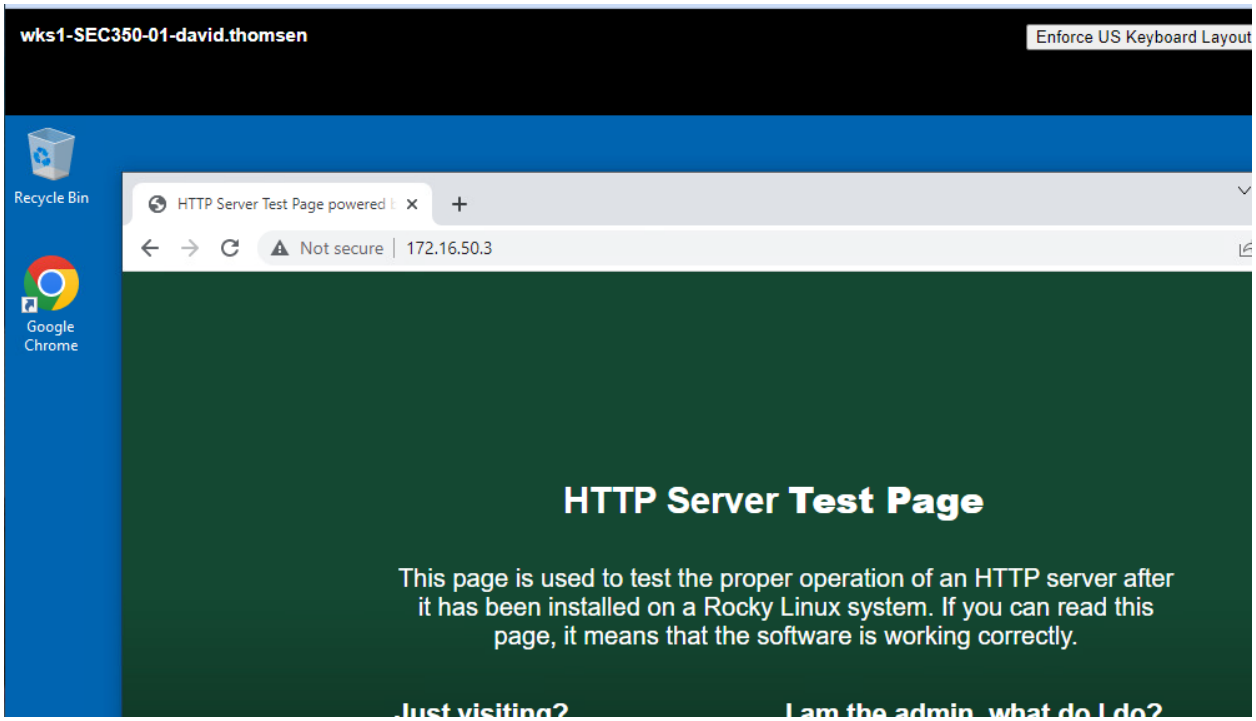
Deliverable 1: You will know you are successful when the following test passes. Provide a screenshot similar (change the IP address) to the one below. From WKS01:

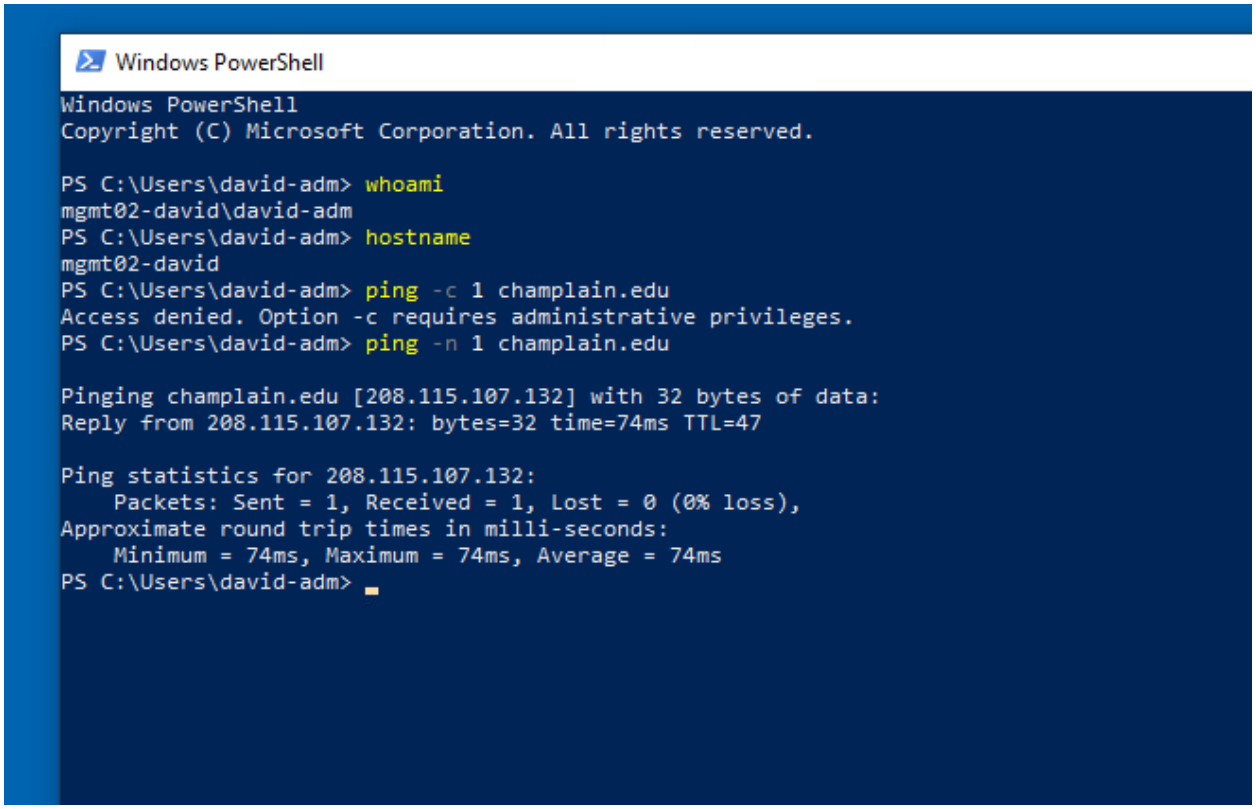
- show results of the whoami command
- hostname command
- ping champlain.edu



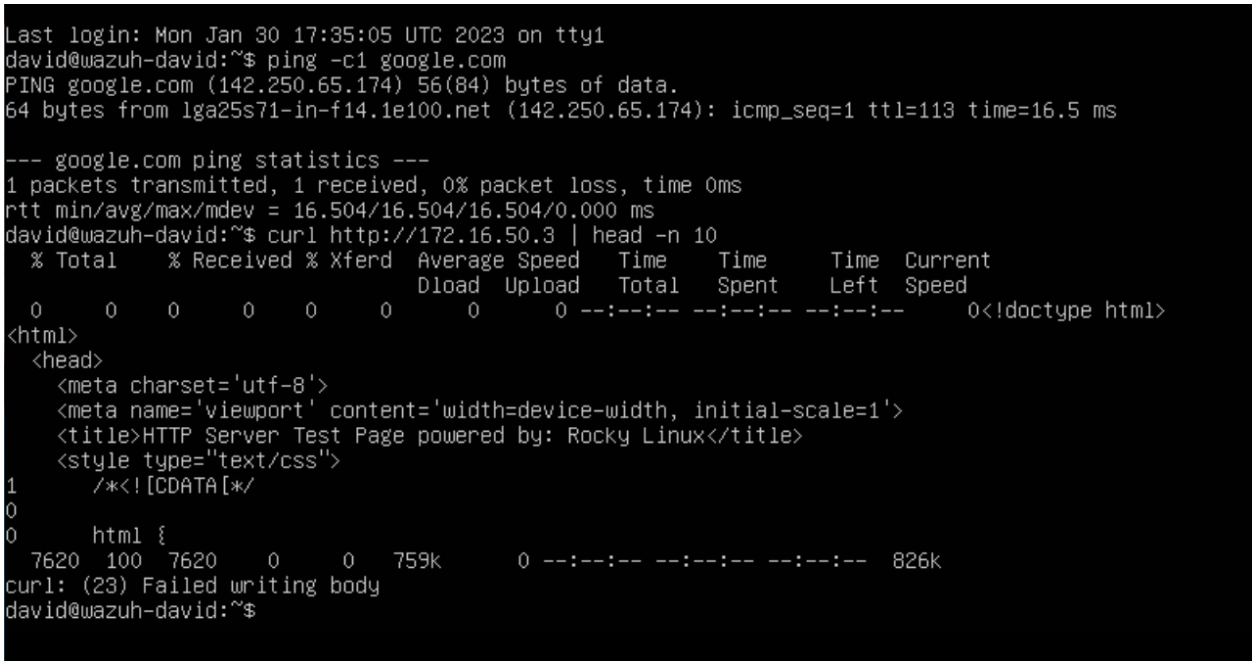
Deliverable 2: You should also be able to get to your DMZ based web server. Provide a screenshot from WKS01 similar to the one below:



Deliverable 3. On mgmt02, provide a screenshot similar to the following one



Deliverable 4. On Wazuh, provide a screenshot similar to the one below that shows your correct hostname, named administrative (sudo) user logged in and able to ping google.com and curl your web server.



Deliverable 5. On mgmt1, provide a screenshot similar to the one below showing:

- ssh from mgmt1 on LAN to wazuh on MGMT
- another ping to google
- traceroute to champlain.edu with 4 hops

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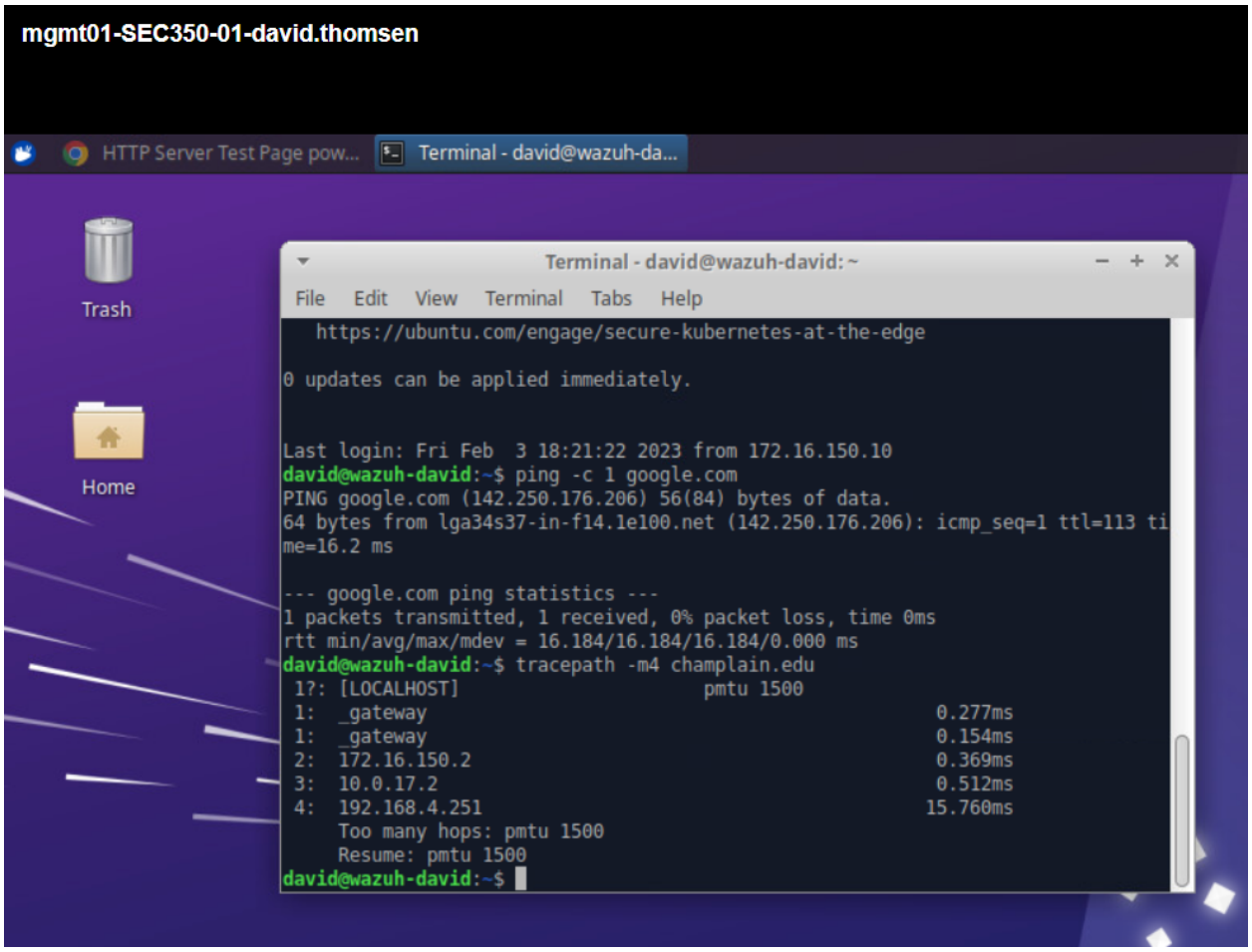
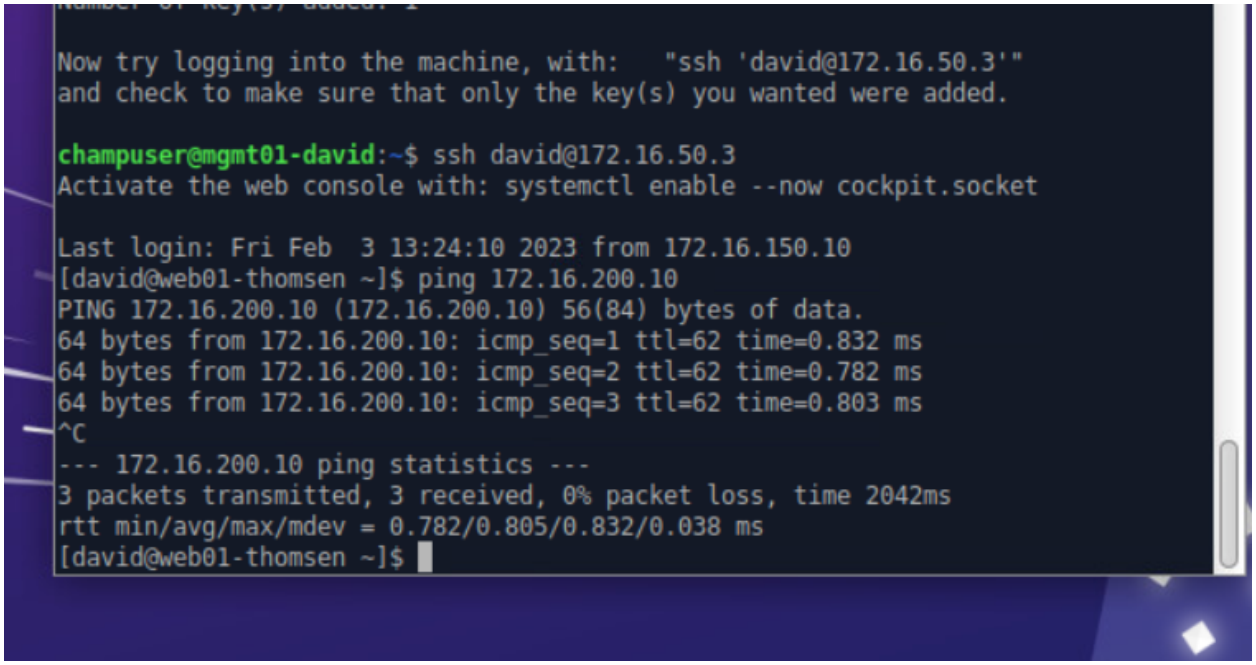


Deliverable 6. A screenshot similar to the one below shows a ping from web01 to wazuh.



Deliverable 7. export the firewall configurations at the end of week 3 for fw-mgmt and fw1. The following command line will provide the most usable format. Provide screenshots or links to your firewall configurations in github.

```
set interfaces ethernet eth0 address '10.0.17.115/24'
set interfaces ethernet eth0 description 'SEC350-WAN'
set interfaces ethernet eth1 address '172.16.50.2/29'
set interfaces ethernet eth1 description 'THOMSEN-DMZ'
set interfaces ethernet eth2 address '172.16.150.2/24'
set interfaces ethernet eth2 description 'THOMSEN-LAN'
set nat source rule 10 description 'NAT FROM DMZ TO WAN'
set nat source rule 10 outbound-interface 'eth0'
set nat source rule 10 source address '172.16.50.0/29'
set nat source rule 10 translation address 'masquerade'
set nat source rule 20 description 'NAT from LAN to WAN'
set nat source rule 20 outbound-interface 'eth0'
set nat source rule 20 source address '172.16.150.0/24'
set nat source rule 20 translation address 'masquerade'
set nat source rule 30 description 'NAT FROM MGMT TO WAN'
set nat source rule 30 outbound-interface 'eth0'
set nat source rule 30 source address '172.16.200.0/28'
set nat source rule 30 translation address 'masquerade'
```

```
set protocols rip interface eth2
set protocols rip network '172.16.50.0/29'
set protocols static route 0.0.0.0/0 next-hop 10.0.17.2
set service dns forwarding allow-from '172.16.50.0/29'
set service dns forwarding allow-from '172.16.150.0/24'
set service dns forwarding listen-address '172.16.50.2'
set service dns forwarding listen-address '172.16.150.2'
set service dns forwarding system
set service ssh listen-address '0.0.0.0'
set system host-name 'fw1-david'
set system name-server '10.0.17.2'
set system syslog host 172.16.50.5 facility authpriv
```

```
vyos@fw-mgmt-david:~$ cat fwmgmtconfig.txt
set interfaces ethernet eth0 address '172.16.150.3/24'
set interfaces ethernet eth0 description 'SEC350-LAN'
set interfaces ethernet eth1 address '172.16.200.2/28'
set interfaces ethernet eth1 description 'SEC350-MGMT'
set protocols rip interface eth0
set protocols rip network '172.16.200.0/28'
set protocols static route 0.0.0.0/0 next-hop 172.16.150.2
set service dns forwarding allow-from '172.16.200.0/28'
set service dns forwarding listen-address '172.16.200.2'
set service dns forwarding system
set service ssh listen-address '0.0.0.0'
set system host-name 'fw-mgmt-david'
set system name-server '172.16.150.2'
vyos@fw-mgmt-david:~$ _
```