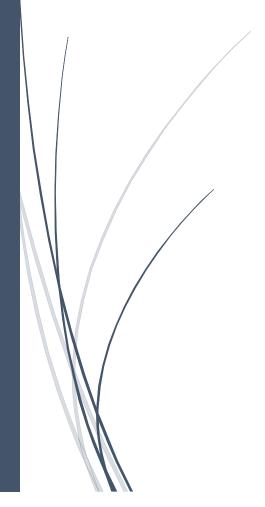
11/10/2021

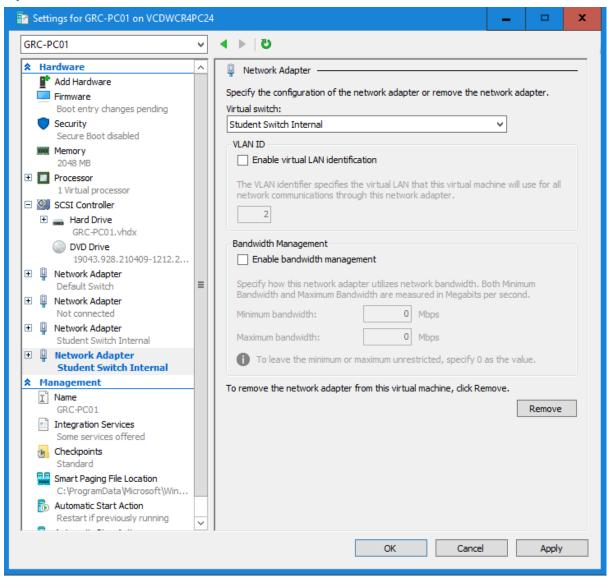
Client Network Operating Systems

Assignment 1



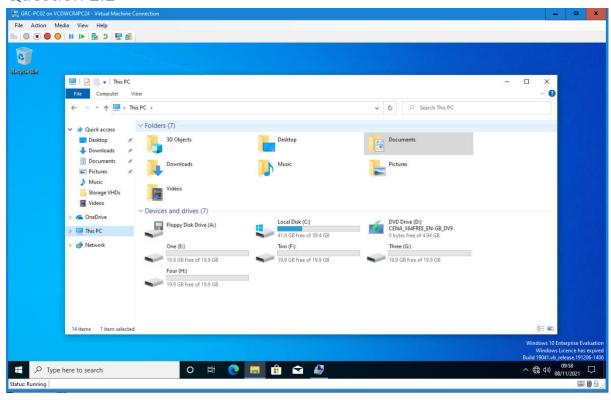
Submitted by: Mohammed Ebrahim

22353401

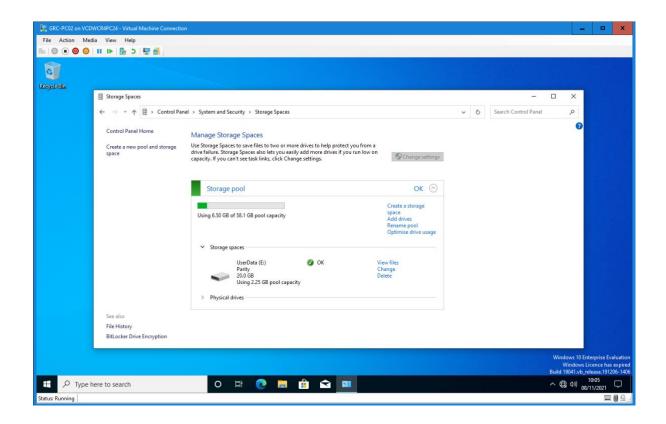


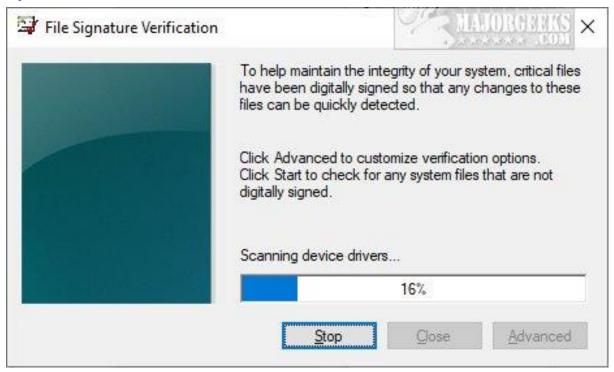
Installed windows 10 on GRC-PC01 & GRC-PC02.

Created switches [Network Adapter], Default Switch-Student Switch Internal



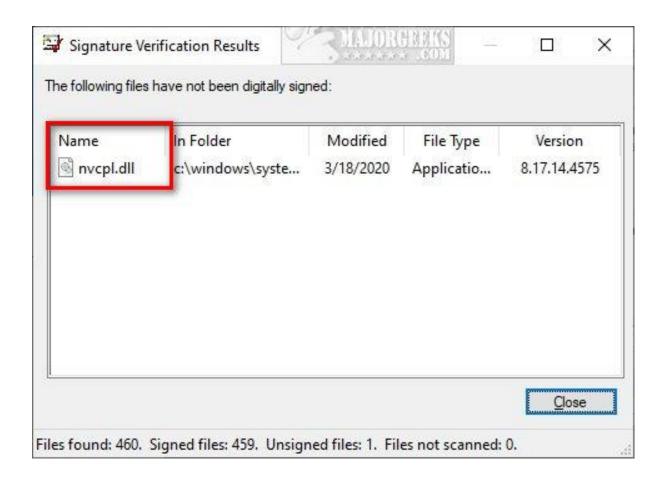
Configuring two-way mirror storages [created:4], enabled and formatted. And shared/mapped them. Also note that an extra HDD was created as required.





Verification that drivers have been installed and have been digitally signed by Microsoft. SOURCED.







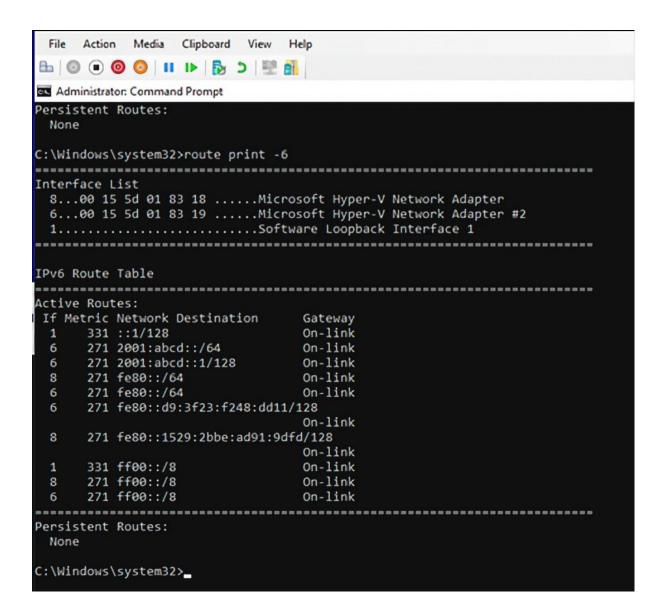
Administrator: Command Prompt

C:\Windows\system32>Hostname DESKTOP-2S2VMNH

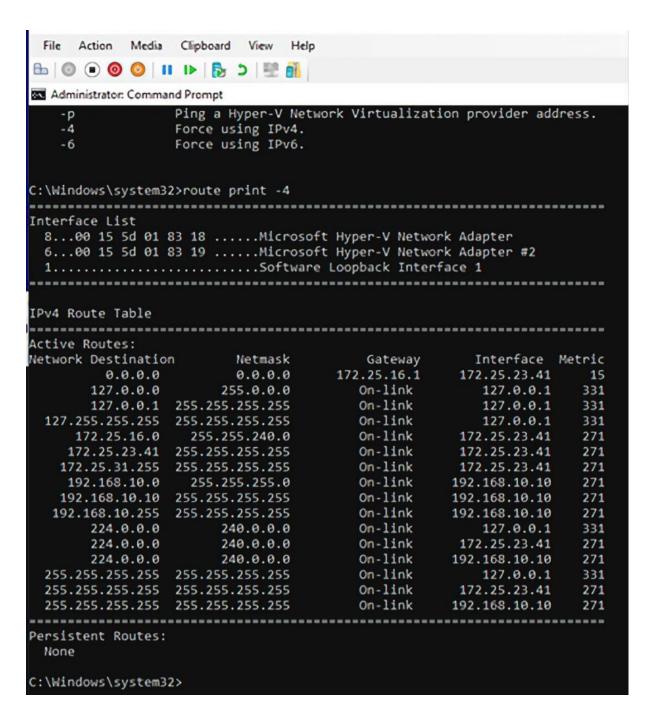
C:\Windows\system32>

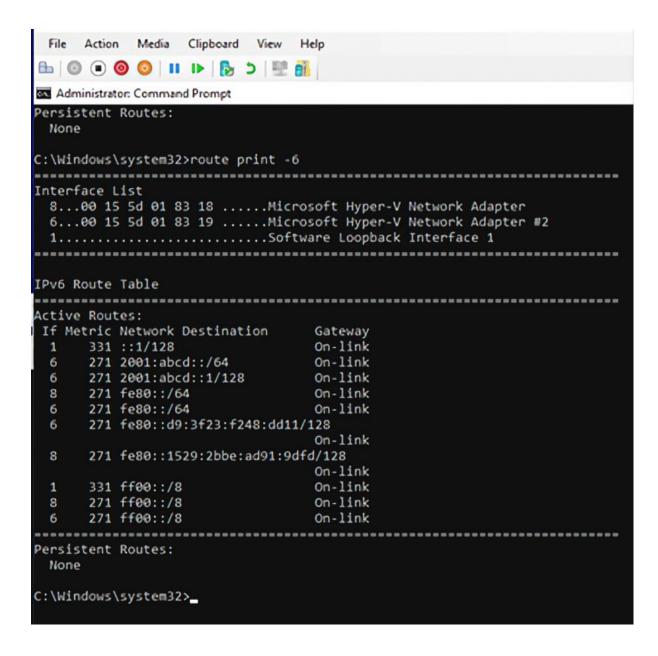
```
Administrator: Command Prompt
Microsoft Windows [Version 10.0.18362.30]
(c) 2019 Microsoft Corporation. All rights reserved.
C:\Windows\system32>ipconfig
Windows IP Configuration
Ethernet adapter Ethernet:
  Connection-specific DNS Suffix : mshome.net
Link-local IPv6 Address . . : fe80::1529:2bbe:ad91:9dfd%8
IPv4 Address . . . : 172.25.23.41
Subnet Mask . . . : 255.255.240.0
Default Gateway . . : 172.25.16.1
Ethernet adapter Ethernet 2:
  C:\Windows\system32>_
```

Implementing TCP/IP Networking. [CMD], Host name. [Sourced Images as stated above [reasoning]



Printing, routing table. Configurations IPV4-IPV6 [THIS POINT IS INDICATING FOR ALL IMAGES FOLOWING.





```
Microsoft Windows [Version 10.0.18362.30]
(c) 2019 Microsoft Corporation. All rights reserved.
C:\Windows\system32>ipconfig
Windows IP Configuration
Ethernet adapter Ethernet:
  Connection-specific DNS Suffix .:
  Link-local IPv6 Address . . . . : fe80::9039:7d0c:58df:cb6d%6
  Autoconfiguration IPv4 Address. . : 169.254.203.109
  Default Gateway . . . . . . . . :
Ethernet adapter Ethernet 2:
  Connection-specific DNS Suffix .:
  IPv6 Address.....: 2001:abcd::2
Link-local IPv6 Address...: fe80::19bd:b039:4e11:fd72%7
  IPv4 Address. . . . . . . . . . : 192.168.10.20
  Default Gateway . . . . . . . : 2001:abcd::1
                                  192.168.10.10
C:\Windows\system32>_
```

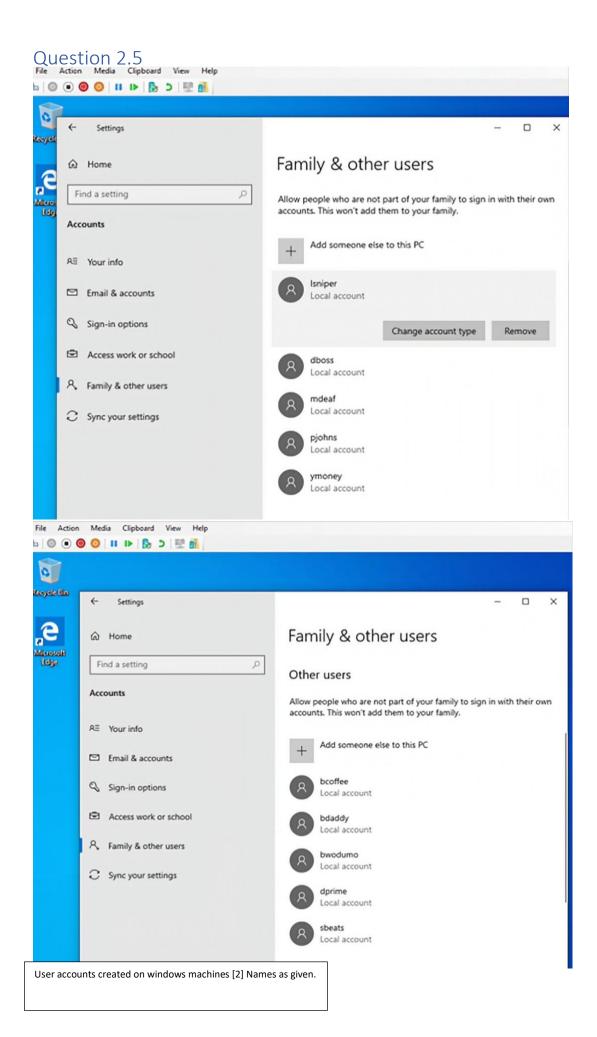
C:\Windows\system32>Hostname GRC-PC02

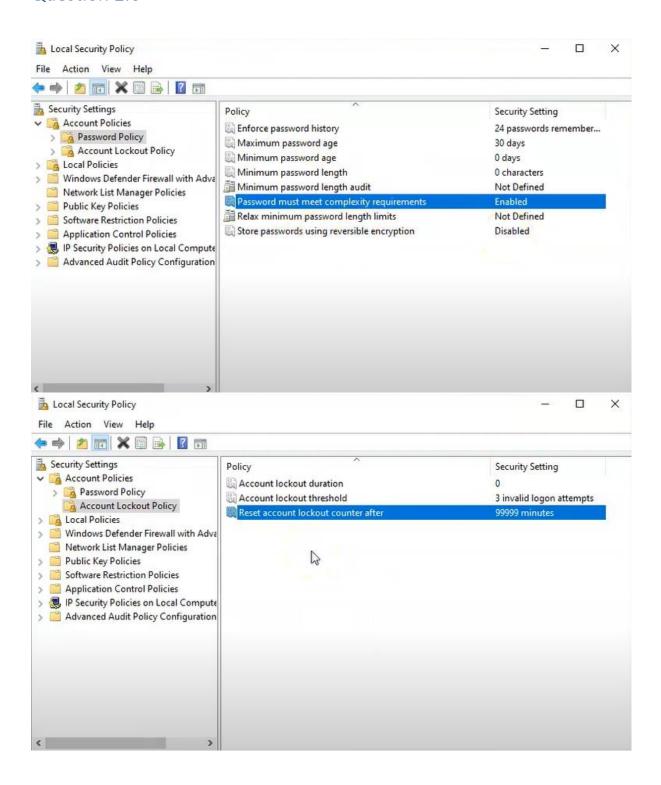
C:\Windows\system32>

```
Select Administrator: Command Prompt
C:\Windows\system32>route print -6
Interface List
 6...00 15 5d 01 83 11 .....Microsoft Hyper-V Network Adapter
 7...00 15 5d 01 83 10 .....Microsoft Hyper-V Network Adapter #2
 1.....Software Loopback Interface 1
IPv6 Route Table
If Metric Network Destination Gateway 7 271 ::/0 2001:abcd::1
     331 ::1/128
    331 ::1/128
271 2001:abcd::/64
271 2001:abcd::2/128
                              On-link
                             On-link
On-link
    271 fe80::/64 On-link
    271 fe80::/64
                               On-link
     271 fe80::19bd:b039:4e11:fd72/128
                               On-link
     271 fe80::9039:7d0c:58df:cb6d/128
                               On-link
     331 ff00::/8
                              On-link
     271 ff00::/8 On-link
271 ff00::/8 On-link
Persistent Routes:
If Metric Network Destination Gateway 0 4294967295 ::/0 2001:abcd::1
C:\Windows\system32>ping 192.168.10.10
Pinging 192.168.10.10 with 32 bytes of data:
Reply from 192.168.10.20: Destination host unreachable.
Ping statistics for 192.168.10.10:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
C:\Windows\system32>
```

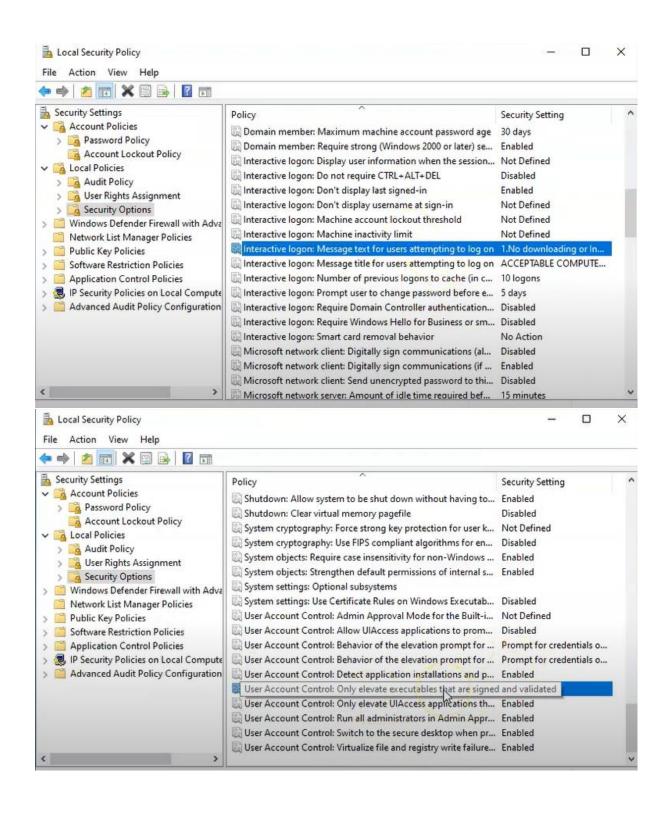
Administrator: Command Prompt

```
:\Windows\system32>route print -4
nterface List
6...00 15 5d 01 83 11 .....Microsoft Hyper-V Network Adapter
7...00 15 5d 01 83 10 .....Microsoft Hyper-V Network Adapter #2
1.....Software Loopback Interface 1
Pv4 Route Table
ctive Routes:
etwork Destination
                     Netmask
                                     Gateway
                                                 Interface Metric
                                192.168.10.10
       0.0.0.0
                     0.0.0.0
                                               192.168.10.20
                                                              271
                                    On-link
      127.0.0.0
                    255.0.0.0
                                                  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
                                    On-link
                                                   127.0.0.1
                                                              331
    169.254.0.0
                   255.255.0.0
                                    On-link
                                            169.254.203.109
                                                              271
               255.255.255.255
                                    On-link
169.254.203.109
                                             169.254.203.109
                                                              271
                                    On-link
169.254.255.255
               255.255.255.255
                                             169.254.203.109
                                                              271
                                    On-link
   192.168.10.0
                255.255.255.0
                                               192.168.10.20
                                                              271
               255.255.255.255
                                    On-link
                                                              271
  192.168.10.20
                                               192.168.10.20
 192.168.10.255 255.255.255.255
                                    On-link
                                               192.168.10.20
                                                              271
      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
                                                              271
                                               192.168.10.20
      224.0.0.0
                    240.0.0.0
                                    On-link
                                            169.254.203.109
                                                             271
255.255.255.255 255.255.255
                                    On-link
                                                   127.0.0.1
                                                              331
255.255.255.255 255.255.255
                                    On-link
                                               192.168.10.20
                                                              271
255.255.255.255 255.255.255.255
                                    On-link
                                             169.254.203.109
                                                              271
ersistent Routes:
Network Address
                      Netmask Gateway Address Metric
       0.0.0.0
                      0.0.0.0
                                192.168.10.10 Default
```

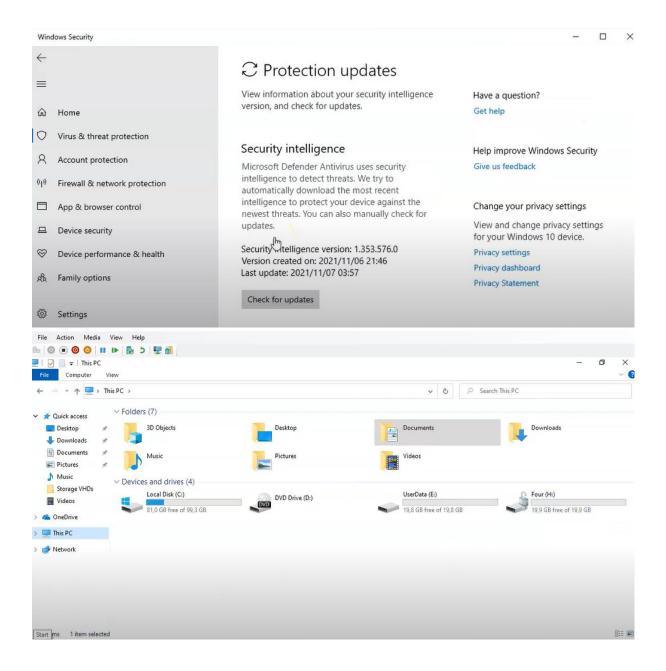




- 1. Password Policy, Enforcing password history [24]. Maximum Password Age [30], Minimum Password Age [21], Minimum Password Length [8], Complexity Requirements [Enabled] Reversable Encryption [disabled].
- 2.Lockout Policy, Duration [0], Threshold [3], Lockout Counter [99999]



- 1.Disabling Interactive logon. Do not display last username [Enabled]. Logon message [ENTERED]. TEXT ENTERED.
- 2. As indicated Prompts as required & validation.



Windows security [Extra security] Update check.

Created BitLocker [H]

Note screenshot were used due to my pc crashing after trying to install hyperV I had no choice.

