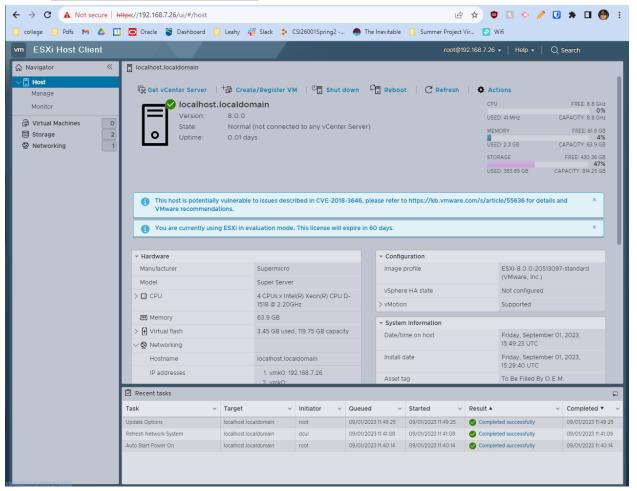
- I. Installing ESXi
  - A. Review your Super-Micro assignments
  - B. Plug a ESXi installer USB into your Super
  - C. Access your Super via a browser using the IPMI IP Address
  - D. IPMI username is: cncs-sysadmin. Password will be emailed to you
  - E. Use the iKVM for the install F11 allows you to boot to USB
  - F. Select **smaller** drive to install to
  - G. Mostly defaults during installation
  - H. Grab your DHCP IP
  - I. Configure with your static IP and DNS
- II. Configuring Datastores
  - A. Access VSphere via web (Deliverable 1)
  - B. Add/Rename datastores so that they are "datastore1-superX" and "datastore2-superX" where X is your super # (**Deliverable 2**)
  - C. Create an ISO folder in Datastore 2
  - D. Upload xubuntu and pfsense ISOs from Cyber-Share X:
- III. Create VSwitch
  - A. Switch.pdf (Deliverable 3)
- IV. Create pFsense Firewall and LAN Management workstation
  - A. Start the pfSense VM install ( pf.pdf )
  - B. Create Management VM ( mgmt1.pdf )
  - C. Complete pfSense VM configuration pf.pdf
  - D. Deliverable 4
- V. Make sure that your Tech Journal is Awesome

User	Pass
cncs-sysadmin	Email - Starred
root	Hint: DAD

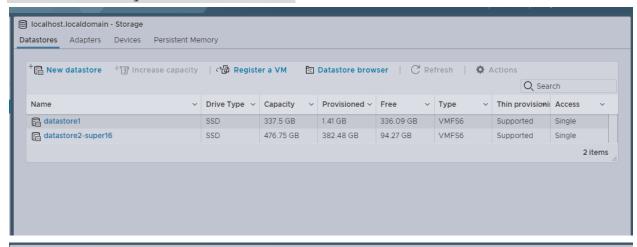
Student	Hyper Visor	IPMI	ESXi	pf-350 x eth0	vyos- 350x eth1	xubu ntu-w an		dc1	vcenter license	vsphere license
		192.1	192.1							
David	super	68.7.6	68.7.2	192.16	10.0.1	10.0.1	10.0.	10.0.17.		
Thomsen	16	1	6	8.7.86	7.2	7.100	17.3	4		

## **Deliverables**

1. Screenshot showing login via superX.cyber.local where X is your assign host number



Screenshot showing your two datastores, where the second one has a directory of two iso files





3. Screenshot showing your virtual switch and associated port group





4. Screenshot from your mgmt1 box showing your 10.0.17.0/24 address as well as your successful ping to an internet host

```
Terminal - champuser@mgmt1: ~/Desktop
File
    Edit View Terminal Tabs Help
champuser@mgmt1:~/Desktop$ ping google.com -c 1
PING google.com (142.250.80.78) 56(84) bytes of data.
64 bytes from lga34s35-in-f14.1e100.net (142.250.80.78): icmp_seq=1 ttl=54 time=
16.3 ms
--- google.com ping statistics ---
1 packets transmitted, 1 received, 0% packet loss, time 0ms
rtt min/avg/max/mdev = 16.275/16.275/16.275/0.000 ms
:hampuser@mgmt1:~/Desktop$ ping 192.168.7.26 -c 1
PING 192.168.7.26 (192.168.7.26) 56(84) bytes of data.
54 bytes from 192.168.7.26: icmp seq=1 ttl=63 time=0.412 ms
--- 192.168.7.26 ping statistics ---
1 packets transmitted, 1 received, 0% packet loss, time 0ms
rtt min/avg/max/mdev = 0.412/0.412/0.412/0.000 ms
champuser@mgmt1:~/Desktop$ ip a
1: lo: <LOOPBACK,UP,LOWER UP> mtu 65536 qdisc noqueue state UNKNOWN group defaul
t glen 1000
   link/loopback 00:00:00:00:00:00 brd 00:00:00:00:00:00
   inet 127.0.0.1/8 scope host lo
       valid lft forever preferred lft forever
   inet6 ::1/128 scope host
       valid lft forever preferred lft forever
2: ens34: <BROADCAST,MULTICAST,UP,LOWER UP> mtu 1500 qdisc mq state UP group def
ault glen 1000
   link/ether 00:0c:29:53:b3:a5 brd ff:ff:ff:ff:ff
   inet 10.0.17.100/24 brd 10.0.17.255 scope global noprefixroute ens34
                         referred lft forever
    inet6 fe80::487a:e3c9:b9a0:d6d2/64 scope link noprefixroute
      valid lft forever preferred lft forever
```

5. The Journal. Your journal should be neat, organized and above all useful and complete. The resources above show the expectations for your journal. Remember the journal has both a technical aspect as well as a reflection component. This can be interweaved as shown in the example. One thing to keep in mind is where you struggled and where you spent your time and any tips and tricks for your future self. Provide a github link to a landing page of your course repo on github. Your milestone adventures should be easily navigated. Make sure you've invited agoldstein333 and rtgillen to your github page if private.