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-super*X*" and "datastore2-super*X*" 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. vSwitch.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

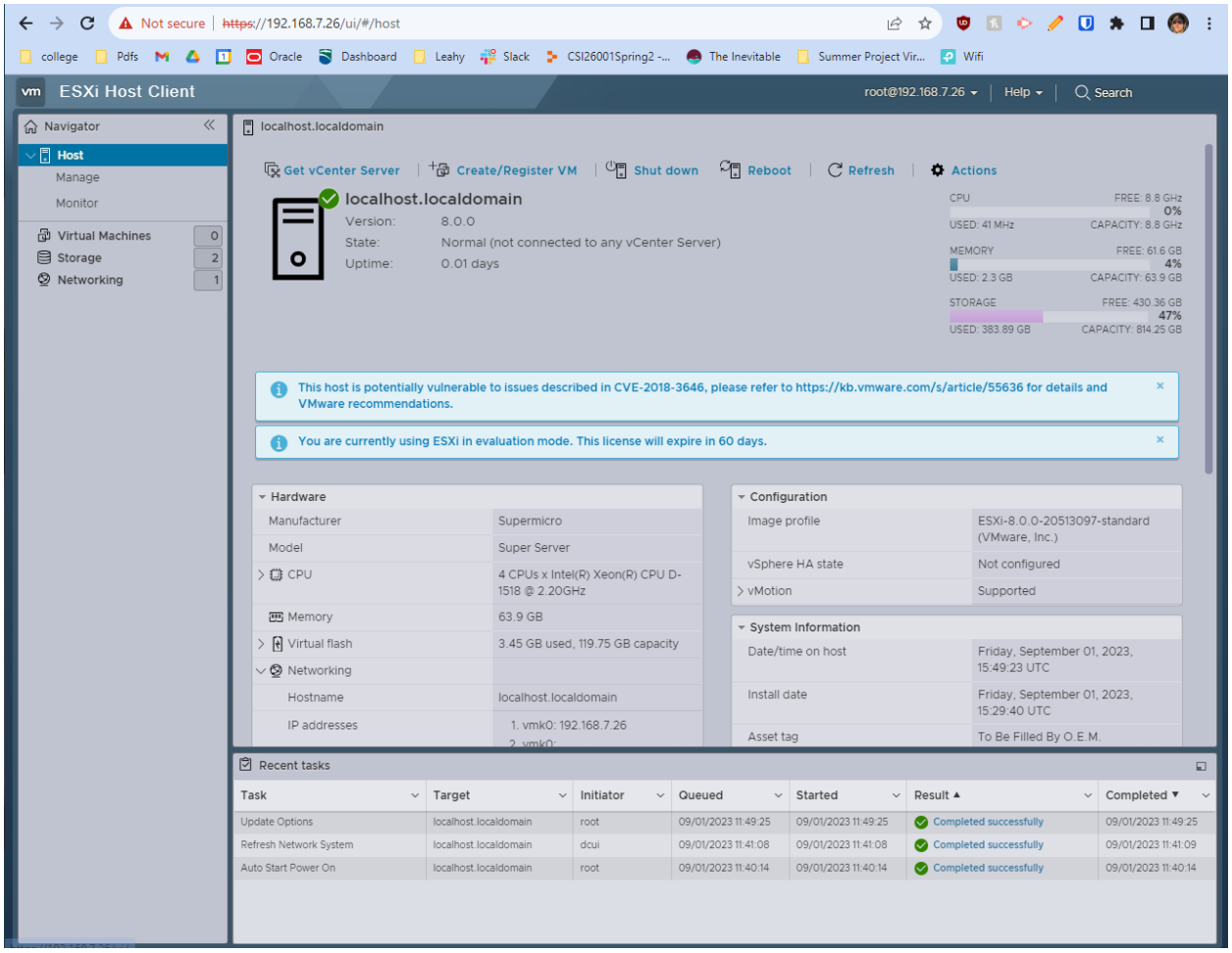
V. Make sure that your Tech Journal is Awesome

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

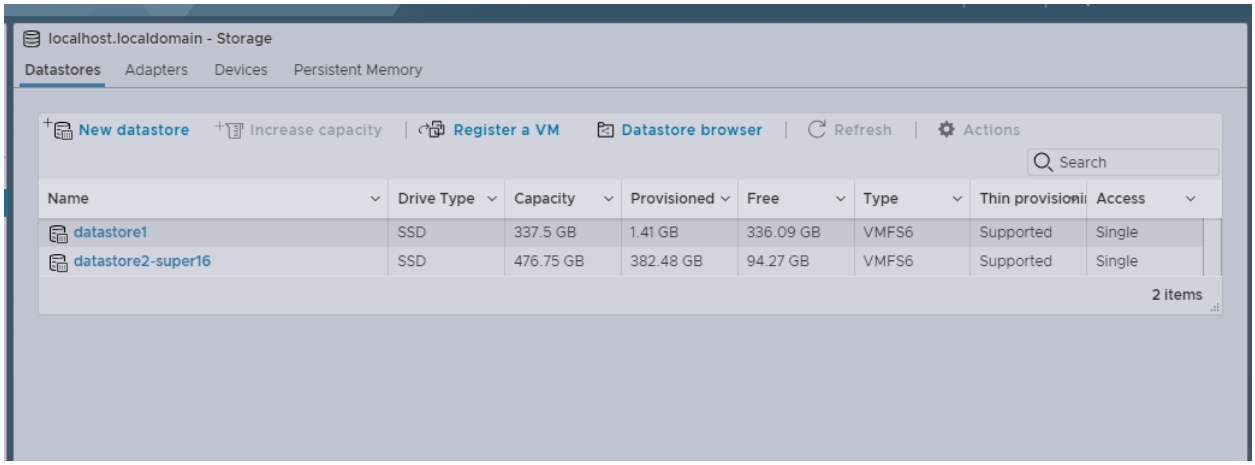
Student	**Hyper Visor**	**IPMI**	**ESXi**	**pf-350x eth0**	**vyos-350x eth1**	**xubuntu-wan**	**vcenter-350x**	**dc1**	vcenter license	vsphere license
David Thomsen	super16	192.168.7.61	192.168.7.26	192.168.7.86	10.0.17.2	10.0.17.100	10.0.17.3	10.0.17.4		

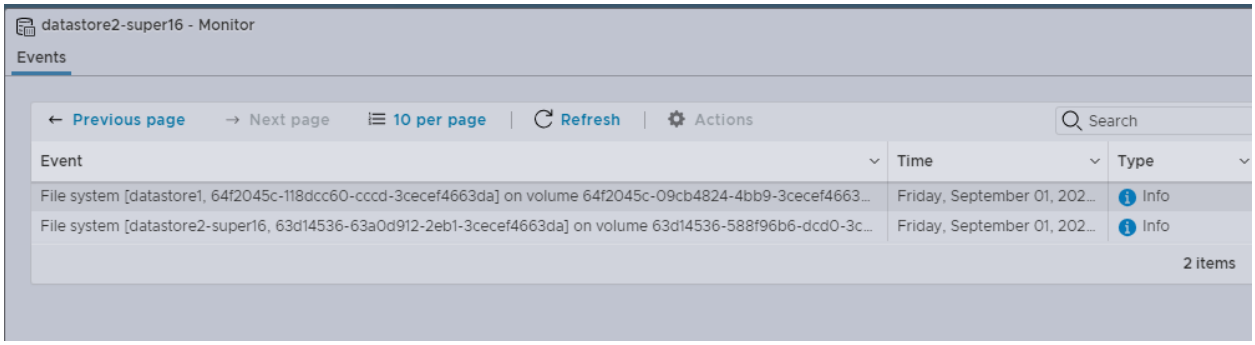
Deliverables

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

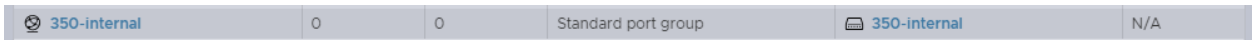


2. Screenshot showing your two datastores, where the second one has a directory of two iso files

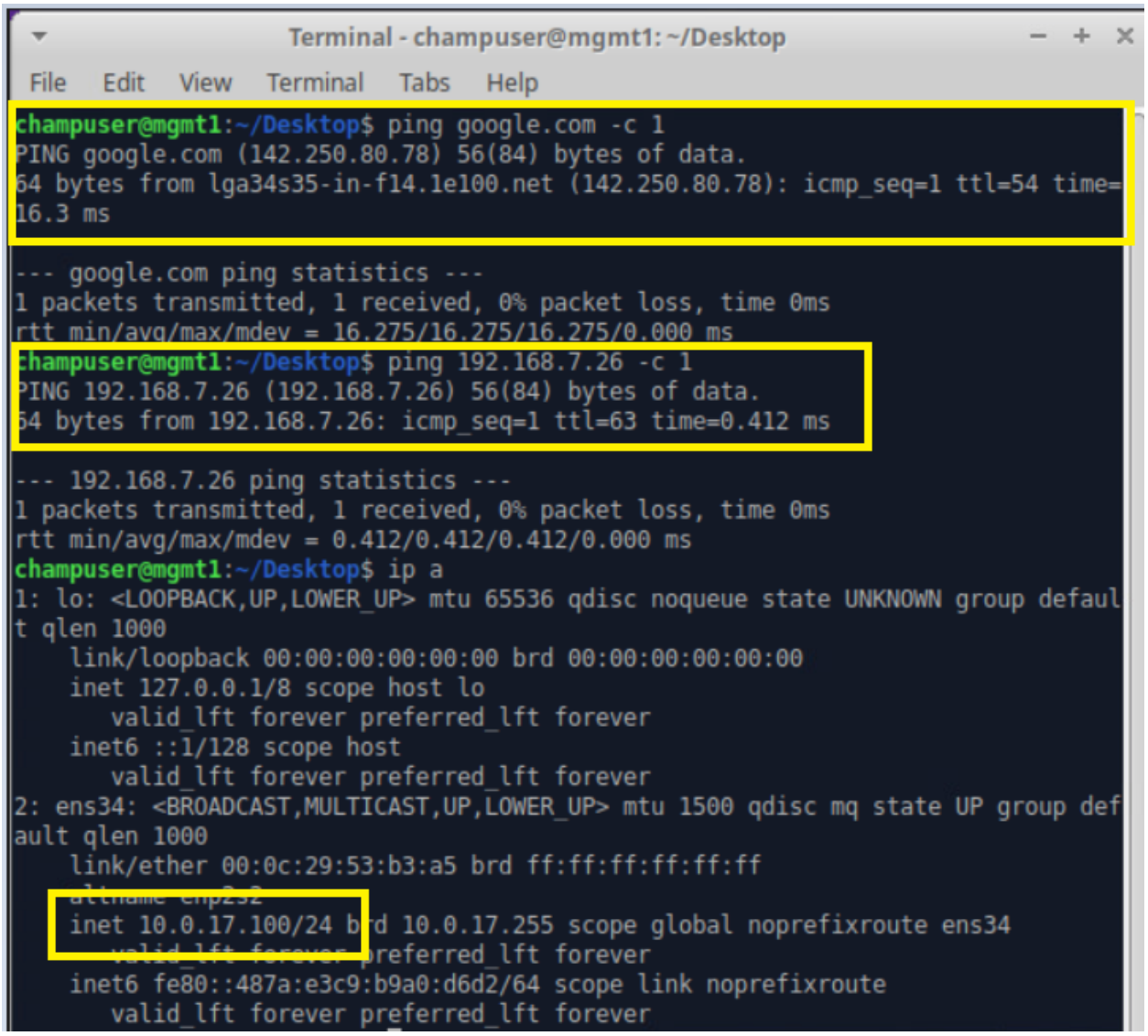




3. Screenshot showing your virtual switch and associated port group



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



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.