Lab 5 - IP Networking – DHCP

Starting to setup machineF to get access and on network
Connected to machine F via vsphere webconsole over cisco vpn
changed root password, like on other machines
checked "ip addr" saw the network devices
checked "/etc/sysconfig/network-scripts" for ifcfg file but didn't find one
created ifcfg-ens192 pertaining to device listed in "ip addr" command
   -by copying settings of ifcfg-ens192 from machineB
   -piped into file the HWADDR (mac) and changed it
   -ssh'd into machineF successfully after disconnecting cisco vpn
ssh'd to machineA and pulled up vm-cartman to base settings on
setup machineA to be dhcp for host machineF
copied old static file to ifcfg-ens192:1 and changed device name in it
   -then fixed the original one to use the dhcp from machineA
   -rebooted again to check if ssh capable

Setting up machineF just like machineB
tried running the command "yum install httpd", errored for name resolve
  -edited machineA with lecture slides/piazza information
  -shutting down firewall and using iptables with masquerade stuff
  -restarted both machines and ran "yum makecache fast"
  -retried to install httpd on machineF, worked
  -ran "systemctl start httpd" && "systemctl enable httpd"
  -was unable to use my browser to get to 100.64.12.5 though
  -but looked at "systemctl status httpd" and showed it working
  -had to use incognito mode because of my browser security settings
   -able to see the apache http server test page
installed rsync on machineB and F
  -rsynced /var/www/ with flag -a to do recursion, attributes, and all from B → F
  -also /etc/(sudoers(.d/),shadow,passwd,group,httpd,security,pam.d)
  -also rsynced /home/ with flag -a so users could login
  -also copied over and ran my puppet script just in case
  -realized that iptables needed to be stopped on machineF to get to it
   -checked http://100.64.12.5/index.html and showed dunder page
  -tested the secure login and seemed to work like intended

Setting up refresh for every hour
added a cron job on F to pull from B "crontab -e"
  -"0 * * * * rsync -a root@100.64.12.2:/var/www /var/"
followed the ssh key pair tutorial each way actually and checked that it worked
  -had to confirm the fingerprint the first time
   -after that it signed right in not asking for anything
changed cron job to run at current minute +1 so I could see it work correctly
  -it worked so changed cron job back

Finishing up with others for dhcp
copied settings from machineF to others to pull ip addresses from machineA
  -also left the original file as ifcfg-ens192:1 with an added 10 to end of ip
   -so 100.64.12.5 → 100.64.12.15 as a backdoor to get in if A goes down