Besides the first objective, all other objectives are on the virtual machine

If you lose access to the console or need to have your virtual machine reset, speak to a proctor. Note that resetting the VM will cause you to lose all work up to that point.

Virtual machines will be rebooted before grading

- **On Physical Host:**
- Reset root password to "banana"
- **In VM:**
- Set up static networking with the IP address 10.100.100.42
- Set up hostname resolution so that the IP address 10.100.100.1 can be reached at the address "repository".
- Configure and enable a repository from which you can install software. A repository is available on the network at: http://repository/centos/$releasever/os/$basearch
- Install the "httpd" package
- Set sshd and httpd to start on boot and permanently open firewall for http and ssh
- Create the following users on the VM with the correct shells and passwords
    -

Username	Password	Shell
john	password	/bin/bash
hickory	password	/bin/bash
dickory	password	/bin/bash
dock	password	/sbin/nologin

- Set dock's password to expire every 90 days
- Generate a key pair **on the guest account on the laptop** with password "mango" and set up SSH key-based authentication for the user hickory on the virtual machine
- Create a group called "writers", add it as a secondary group for hickory and dickory.
- Create a shared directory on the VM at the path /share. Make /share accessible by the "writers" group. Members of group must be able to write to directory. New files created in /share should belong to the group.
- Use ACLs to allow john to write in the /share directory. John should not be a member of the "writers" group.
- Copy the script /vagrant/clock.sh to /usr/local/bin/clock.sh and create a symbolic link from /usr/local/bin/clock.sh to /usr/local/bin/mouse.sh
- Run /usr/local/bin/mouse.sh. Redirect the output to /home/hickory/out and the error messages to /home/hickory/error

- Find the number of instances of the word "free" in /usr/share/licenses/systemd-219/LICENSE.GPL2 without regards to capitalization. Create a file /home/hickory/count containing that number.
- Set SELinux to start automatically in enforcing mode
- A job should be set up which, every five minutes, appends "Get Ready for RHCSA!" to a file in /home/hickory/ready.out
- Set up a logical 2GB logical volume on /dev/sdb. Format the logical volume as ext4 and set it up to mount on boot
- Mount the NFS export called "data", which is available at 10.100.100.1, to /data automatically on boot. The export should contain a file.