Breaking down the each directory.

|  |  |  |
| --- | --- | --- |
| Directory | Contents | Examples |
| /bin | User bin files | ls |
| /boot | Boot images and kernel | config-3.10.0-229.14.1.el7.x86\_64 |
| /dev | Devices such hard drives | /dev/sda |
| /etc | Configuration Files | ntp.conf |
| /home | Users home | treed |
| /lib | 32 bit libraries | sendmail |
| /lib64 | 64 bit libraries | php |
| /media | cdrom | Automounts cds |
| /mnt | Used to mount isos and cds | Show on screen |
| /opt | Location for third party rpms | Any application |
| /proc | Current Process (runtime) | cat /proc/version |

Permissions

Users-Group-Others

|  |  |  |
| --- | --- | --- |
| Read | Write | Execute |
| r | w | x |
| 4 | 2 | 1 |

d = directory l = link

These are the commands we covered

* Use touch command to make file
* Use mkdir to make directories
* Use pwd to make sure of what directory you are in
* Use cd to change directories
* Use man pages to find out about the command you are using plus options

Lab:

1. Log into your server cd /home
2. What are the permissions on the messages file
   1. Hint 1: use locate to find the file or find
   2. Hint 2: will be released on sunday
3. How do distinguish between a file, link, and directory?
4. Find the configuration in for httpd?
5. Create a file called myfavorite.txt and place it in the /tmp directory
6. Create a directory under / called test
7. What does df –h tell me. Hint: man pages
8. How do I find out who log onto the system? Hint: find the logs
9. Find out how many users on the system?
10. Can you tell me your hostname? Hint: Google!
11. Use yum to install aide ?
    1. Set up aide
    2. What is aide
    3. <http://linuxlov3r.blogspot.com/2012/09/configuration-and-setting-up-of-aide-on.html>
12. This is security database to let you know what vulnerabilities ae out there for all operating systems. Get yourselves familiar with that.
    1. CVE Database
       1. <https://cve.mitre.org/>
       2. <https://nvd.nist.gov/>