

Directory/File Creation Report

In this activity I was instructed to create 8 directories and 8 files. The objective was to better understand how the commands “mkdir”, “ls”, “ls -l”, “cd”, “touch” and “tree” are used in a usual work setting. The directories I needed to create were “ops”, “hosts”, “keys”, “log”, “packages”, “users”, “local”, and “remote”. The files I needed to create were “workstations” and “servers”, located in both the “local” and “remote” directories and “fred”, “daphne”, “scrappy”, and “velma”, located in the “users” directory.

The first thing I did was change into the proper directory by entering “cd ~/practice/activity1A” into the terminal. Once that was done I needed to make the “ops” directory (mkdir ops). This directory is most important because this is the host directory and it will carry all of the other directories we need in order to create our files. I then made directories within that directory by entering, “cd ops” to access our “ops” directory, then entering “mkdir hosts keys log packages users”.

Now we must create our first set of files.... We need to change our directory to /ops/hosts so “cd /ops/hosts”. Once in hosts we need to make our last directories, so we need to “mkdir local and remote”. Once those are created we must create our “workstations” and “servers” files. So let “cd” into “local” then enter “touch workstations servers”. Then “cd ../” back to “hosts” and do the exact same thing with “remote”. Be sure to make sure both directories contain those files by entering, “ls” or “ls -l”.

Once that was finished. I changed into the “/home” directory. I needed to see what users were listed and make them each an empty file in the “ops/users” directory. I saw the names “fred”, “daphne”, “scrappy”, and “velma” were listed. I changed into the “/ops/users” directory then created the files for each user, (fred, daphne, scrappy, and velma).

After all the steps were completed, I returned to the “~/practice/activity1A” directory to check my work, and make sure I completed all the steps correctly. To confirm, I entered the tree command into the terminal and it came out like this....

```
├─ ops
│   ├── hosts
│   │   ├── local
│   │   │   ├── servers
│   │   │   └── workstations
│   │   └── remote
│   │       ├── servers
│   │       └── workstations
│   ├── keys
│   ├── log
│   ├── packages
│   └── users
│       ├── daphne
│       ├── fred
│       ├── scrappy
│       └── velma
└─ 8 directories, 8 files
```