Lecture 4

Hard Links

- Hard Links are files that point to data on the hard drive

- When you create a file by default its linked to the data stored in the hard drive and its assigned an inode number.

- To create a Hard link: " ln file ~Downloads/fileHL "

Soft Links

- Symbolic links (soft links) are a special type of file that point to other files instead of data in the hard drive

- Soft links do not share the same inode number as a hard link does

- If you modify a soft link the target file is modified as well

- The advantage of soft links is that they can point to files stored on different partitions

- To create a symbolic link: " ln -s file fileSL "

Linux blackhole

NEVER RUN

"sudo rm-r /home/#USER 2>/dev/NULL"

Note to self:

- Never delete hard links

Getting Help

WILL PLACE HARD LINKS IN MIDTERM

- man ls
- man passwd
- man 5 passwd
- man -k passwords

Using Wildcards / File Globbing

The main wildcared is a star or asterik (*) character *Searches for anything that macthes any number or characters. For example, ls *.txt will match all files that end in .txt regardless of the size of the file

Wildcard	Description
*	Matches zero or more characters in a filename
?	Matches any one character in a filename
[acf]	Matches one of multiple characters in a filename; in this example, a, c, or f
[a-f]	Matches one of a range of characters in a filename; in this example, any character from a through f
[!a-f]	Matches filenames that don't contain a specified range of characters; in this example, filenames that don't contain a through f

b -1 ls -i w/file

- Expects to use wildcard to move file TO FIND .png in the end ' mv ~/Downloads/*.png /var/www/html/html/Assets/image/ '

To find anything in the middle and everything ' ls B?nana* '

Continuation on 10/27/21

vacation |-Italy/Nature/Night |-DR/Nature/Day |-Dubai/Nature/Day |-Tokyo/Nature/Night

juniornunez920@juniornunez920-VirtualBox:~$ 'cd' juniornunez920@juniornunez920-VirtualBox:~$ mkdir vac21/{italy, dr, dubai, tokyo}/nature juniornunez920@juniornunez920-VirtualBox:~$ tree vac21/