

File permissions in Linux

Project description

Through Linux commands, I am changing the file permissions; what can be read, written, and executed.

Check file and directory details

/home/researcher2/projects contains file project_m.txt
Which is: -rw-r-----

Describe the permissions string

- User = read, write
- Group = read
- Other = none

Change file permissions

```
researcher2@4455fda206a6:~/projects$ chmod u+x,g+r+w,o+r project_m.txt
```

Changes file permissions on project_m.txt to:
-rwxrw-r--

Change file permissions on a hidden file

File permissions on .project_x.txt were: -rw--w----

```
researcher2@4455fda206a6:~/projects$ chmod g+r,o+r+w .project_x.txt
```

Changes them to: -rwxrw-r-

Change directory permissions

drafts directory permissions were: drwx--x--

```
researcher2@4455fda206a6:~/projects$ chmod u+x,g+r-x drafts
```

Changed to: drwxr-----

Summary

Through the Linux command line, I changed the permissions of `project_m.txt` so that the user may read, write, and execute, the group can read and write, and others may read the file. On `.project_x.txt`, permissions were changed so that the user may read, write, and execute, the group can read and write, and others may read the file. The drafts directory was edited user the user can read, write, and execute, the group can read, and other may not access the directory.