File permissions in Linux

Project description

I manage permissions by:
Type of access granted to Users, Groups, Other and files
I learned how to use command line to change these permissions.

Check file and directory details

To display files and directories I used ls -l to check permissions
I also used ls _la to display permission of the file in directory and hidden file

Describe the permissions string

Permission string is as follow: with 3 category : User Group and Other
It is composed of 10 characters
drwxrwxrwx
d - directory
r - read
w - write
x- execute

The first four is for the user
5 to 7 is for the group
8 to 10 for other

Change file permissions

Chmod is used to change file permission for file
Eg: chmod u-w test.txt   / mean changing permission for user to not be able to write on file test.txt

Change file permissions on a hidden file

To change permission on hidden file
Chmod g+r .test.txt / the dot before the (.)text.txt mention the hidden file

Change directory permissions

Changing directory permission by displaying directory permission with ls -l
Then using chmod -r-w .folder_one