File permissions in Linux

Project description

I am a security professional at a large organization. I need to determine if the permissions match the authorization that should be given. If they do not match, I need to modify the permissions.

Check file and directory details

ls -la

Describe the permissions string

-rw--w---- .project_x.txt
drwx--x--- drafts
-rw-rw-rw- project_k.txt
-rw-r----- project_m.txt
-rw-rw-r-- project_r.txt
-rw-rw-r-- project_t.txt

Change file permissions

chmod o-w project_k.txt

Change file permissions on a hidden file

chmod u=r,g=r .project_x.txt

Change directory permissions

chmod g-x drafts/

Summary

First, I checked the permissions for all the files and directories. I changed certain permissions that did not align with the permissions that should be given.