

# File permissions in Linux

## Project description

The goal here is to ensure that users on this team are authorized with the appropriate permissions within the FHS. This requires checking current permissions, followed by making any necessary changes for the proper least privilege principle.

## Check file and directory details

```
ls-la
```

## Describe the permissions string

`drw-rw-r-` is permission string for *project\_t.txt*

- d= directory
- User has read write privileges with R and W (2-4)
- Group has read write privileges (5-7)
- Other has read privileges only (8-10)
- A - represents n/a privileges in each 3 character sequence after directory "d"

## Change file permissions

```
chmod o-r project_k.txt OR chmod o=r project_k.txt
```

## Change file permissions on a hidden file

```
chmod g=r .project_x.txt
```

## Change directory permissions

```
chmod g-x drafts
```

## Summary

The goal of applying least privilege by modifying current permissions were met by a series of linux commands, as noted above. This adjusted access to the FHS within the company network to maintain proper security.