

File permissions in Linux

Check file and directory details

`ls -la`

- gives a long listing of all files

`ls -a`

- lists all files including hidden files (files with names beginning with a dot)

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.