File permissions in Linux

Project description

Using shell commands to change file and directory permissions

Check file and directory details

Describe the permissions string

Permission are displayed as a 10-character string that denotes whether the file is a standard file or a directory, as well as whether the user, group and other are permitted to read, write and/or execute. The string takes the format drwxrwxrwx, with the three rwx groups d denoting 'directory' or dash for file, and r denoting 'read', w denoting 'write' x denoting 'execute' and dash for none for each of the three user types. Dashes in the permissions string indicate none.

Change file permissions

```
researcher/Beböbeerfass/1-/grojects/1 is la

druc-rx-3 researcher research_team 60% 60 pt 110:53 .

druc-rx-1 researcher research_team 60% 60 pt 110:53 .

druc-rx-1 researcher research_team 60 pt 110:53 project_k.txt

----- 1 researcher research_team 60 pt 110:53 project_k.txt

----- 1 researcher research_team 60 pt 110:53 project_k.txt

researcher/Beböbeerfass/1-/projects/2 than 60 or project_k.txt

resea
```

Change file permissions on a hidden file

Change directory permissions

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### Section | 1982 | 1982 | 1982 | 1982 | 1982 | 1982 | 1982 | 1982 | 1982 | 1982 | 1982 | 1982 | 1982 | 1982 | 1982 | 1982 | 1982 | 1982 | 1982 | 1982 | 1982 | 1982 | 1982 | 1982 | 1982 | 1982 | 1982 | 1982 | 1982 | 1982 | 1982 | 1982 | 1982 | 1982 | 1982 | 1982 | 1982 | 1982 | 1982 | 1982 | 1982 | 1982 | 1982 | 1982 | 1982 | 1982 | 1982 | 1982 | 1982 | 1982 | 1982 | 1982 | 1982 | 1982 | 1982 | 1982 | 1982 | 1982 | 1982 | 1982 | 1982 | 1982 | 1982 | 1982 | 1982 | 1982 | 1982 | 1982 | 1982 | 1982 | 1982 | 1982 | 1982 | 1982 | 1982 | 1982 | 1982 | 1982 | 1982 | 1982 | 1982 | 1982 | 1982 | 1982 | 1982 | 1982 | 1982 | 1982 | 1982 | 1982 | 1982 | 1982 | 1982 | 1982 | 1982 | 1982 | 1982 | 1982 | 1982 | 1982 | 1982 | 1982 | 1982 | 1982 | 1982 | 1982 | 1982 | 1982 | 1982 | 1982 | 1982 | 1982 | 1982 | 1982 | 1982 | 1982 | 1982 | 1982 | 1982 | 1982 | 1982 | 1982 | 1982 | 1982 | 1982 | 1982 | 1982 | 1982 | 1982 | 1982 | 1982 | 1982 | 1982 | 1982 | 1982 | 1982 | 1982 | 1982 | 1982 | 1982 | 1982 | 1982 | 1982 | 1982 | 1982 | 1982 | 1982 | 1982 | 1982 | 1982 | 1982 | 1982 | 1982 | 1982 | 1982 | 1982 | 1982 | 1982 | 1982 | 1982 | 1982 | 1982 | 1982 | 1982 | 1982 | 1982 | 1982 | 1982 | 1982 | 1982 | 1982 | 1982 | 1982 | 1982 | 1982 | 1982 | 1982 | 1982 | 1982 | 1982 | 1982 | 1982 | 1982 | 1982 | 1982 | 1982 | 1982 | 1982 | 1982 | 1982 | 1982 | 1982 | 1982 | 1982 | 1982 | 1982 | 1982 | 1982 | 1982 | 1982 | 1982 | 1982 | 1982 | 1982 | 1982 | 1982 | 1982 | 1982 | 1982 | 1982 | 1982 | 1982 | 1982 | 1982 | 1982 | 1982 | 1982 | 1982 | 1982 | 1982 | 1982 | 1982 | 1982 | 1982 | 1982 | 1982 | 1982 | 1982 | 1982 | 1982 | 1982 | 1982 | 1982 | 1982 | 1982 | 1982 | 1982 | 1982 | 1982 | 1982 | 1982 | 1982 | 1982 | 1982 | 1982 | 1982 | 1982 | 1982 | 1982 | 1982 | 1982 | 1982 | 1982 | 1982 | 1982 | 1982 | 1982 | 1982 | 1982 | 1982 | 1982 | 1982 | 1982 | 1982 | 1982 | 1982 | 1982 | 1982 | 1982 | 1982 | 1982 | 1982 | 1982 | 1982 | 1982 | 1982 | 1982 | 1982 | 1982 | 1982 | 1982 | 1982 | 1982 | 1982 | 1982 | 1982 | 1982 | 1982 | 1982 | 1982 | 19
```

Summary

Changing file and directory permissions is an important step in enforcing the principle of least privileges.