

File permissions in Linux

Project description

The research team needs to update the file permissions to reflect the appropriate level of authorization.

Check file and directory details

```
ls -la
```

Describe the permissions string

The 10-character permission string in Unix/Linux systems represents the access rights for a file or directory. Each set of three characters defines the permissions for the owner, group, and others, respectively.

First character:

-: Regular file

d: Directory

Second, third, and fourth characters:

r: Read permission

w: Write permission

x: Execute permission

-: No permission

Change file permissions

```
chmod o-w project_k.txt
```

Change file permissions on a hidden file

```
chmod u-w,g-w,g+r .project_x.txt
```

Change directory permissions

```
Chmod g-x drafts
```

Summary

I successfully adjusted file and directory permissions to align with security best practices, i utilized the `ls -la` command to review current permissions and used `chmod` to modify them as needed.