

# Linux File Permissions

💡 An understanding of basic linux user, group and file permissions is necessary to build, deploy and secure linux systems. This companion video and our friends at google should provide enough information for you to properly secure the /accounting and /management directories on dhcp01.

Watch the [file permissions video](#) and create the users, directories and groups described in the video.

Create a new user called Fred, and two new groups called Marketing and Management.

Bob and Fred should be in the Marketing Group.

Alice should be in the Management Group.

Create directories /marketing and /management.

Solve the following file access control issues:

- 1) Only the marketing group should have access to a file you create called /marketing/newproducts.txt
- 2) Bob and Fred should be able to see newproducts.txt, but only Fred should be able to modify the file
- 3) Alice is the manager. The new file, /management/bobreview.txt should only be accessible to Alice and the management group

```
Deliverable 1. As root provide a screenshot showing the results of
ls -ld /marketing
ls -l /marketing
ls -ld /management
ls -l /management
```

```
Deliverable 2. Provide a link to your tech-journal entry on linux
file permissions. You should describe how to create groups, add
group members and adjust the rwx directory and file permission for
user, groups and other so that you can use this as a resource when
required to do so again.
```