

Assignment 1

Linux and C Programming (62558)

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Feedback

Annotation on PDF Submission

1. Fine, and nice that you use the Alice and Bob analogy but normally the actor trying to get unauthorized access is called Eve.
2. Fine
3. Fine solution consider setting the GID
4. Maybe also test read and write permissions
5. Fine answer but what about the “t” in the permissions?

Updates

Changing Group id

```
student@ubuntu-2004:~$ awk '/secrete_group/' /etc/group
secrete_group:x:120:alice,student
student@ubuntu-2004:~$ sudo groupmod -g 121 secrete_group
student@ubuntu-2004:~$ awk '/secrete_group/' /etc/group
secrete_group:x:121:alice,student
```

Changing Permissions

In the original submission, I forgot to grant Alice write permission on the file secrets.

```
student@ubuntu-2004:~$ sudo chown :secrete_group ./shared_folder/secrets
student@ubuntu-2004:~$ chmod 770 ./shared_folder/secrets
```

Now Alice can read, write and execute the file secretes.

```
alice@ubuntu-2004:~$ cat /home/student/shared_folder/secrets
Secrete stuff...
```

Testing Permissions

```
alice@ubuntu-2004:~$ cat /home/student/shared_folder/secrets
Secrete stuff...
alice@ubuntu-2004:~$ echo More secrets... >> /home/student/shared_folder/secrets
alice@ubuntu-2004:~$ cat /home/student/shared_folder/secrets
```

Secrete stuff...
More secrets...

What does “t” mean...?

The “t” in the permissions for the tmp folder indicates that the content is “sticky”, meaning that only the owner and root have delete permissions.