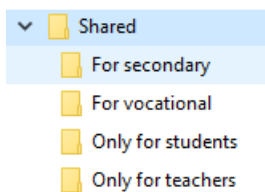


EXERCISE: Users, groups and permissions

We have a PC with Windows 10 that consists of two groups: Vocational and Secondary. The user “VocationalUser” will belong to “Vocational” and the user “SecondaryUser” will belong to “Secondary”. There is also a user called Teacher which belongs to the group Administrators.

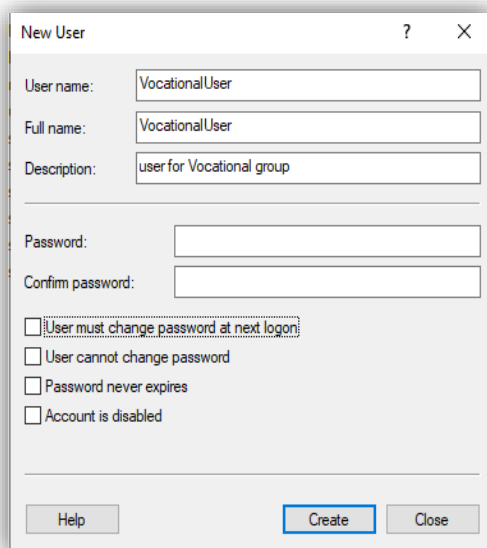
Complete all the exercises considering two scenarios: disabling inheritance and with inheritance.

1. Create all the users and groups mentioned above.
2. Create the following directory tree with the permissions below.



- a. The directory known as “Shared” is able to be accessed by two users: “VocationalUser” and “SecondaryUser”, but they cannot delete or create subfolders and files. The user Teacher has Full Control over this directory.
- b. The directory “For secondary” cannot be accessed by the group “Vocational”, while the group “Secondary” is able to do everything except change permissions.
- c. The directory “For vocational” cannot be accessed by the group “Secondary”, while the group “Vocational” is able to do everything except delete this folder and change permissions.
- d. The directory “Only for students” can be accessed exclusively by all students regardless of the group. They will be able to create files within this folder.
- e. The directory “Only for teachers” can be accessed exclusively by all teachers and only with read and execute permissions.

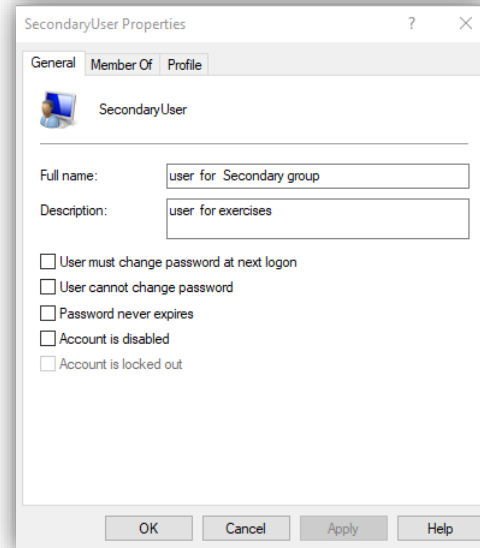
1. First of all, I create the groups and the users from computer management:



The 'New User' dialog box is used to create a new user. It contains the following fields and options:

- User name: VocationalUser
- Full name: VocationalUser
- Description: user for Vocational group
- Password: (empty field)
- Confirm password: (empty field)
- ☐ User must change password at next logon
- ☐ User cannot change password
- ☐ Password never expires
- ☐ Account is disabled

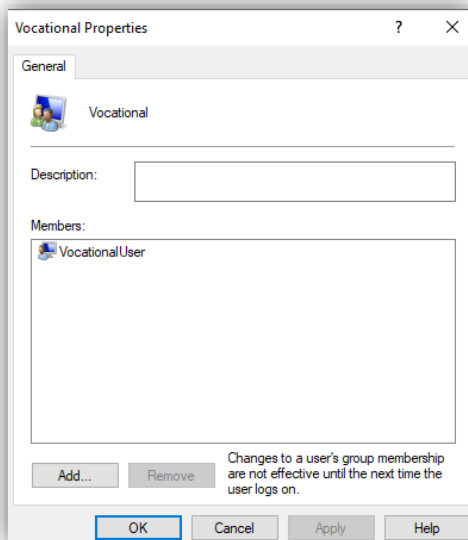
Buttons at the bottom: Help, Create, Close.



The 'SecondaryUser Properties' dialog box shows the properties for the 'SecondaryUser'. It has three tabs: General, Member Of, and Profile. The 'General' tab is selected, showing:

- Full name: user for Secondary group
- Description: user for exercises
- ☐ User must change password at next logon
- ☐ User cannot change password
- ☐ Password never expires
- ☐ Account is disabled
- ☐ Account is locked out

Buttons at the bottom: OK, Cancel, Apply, Help.

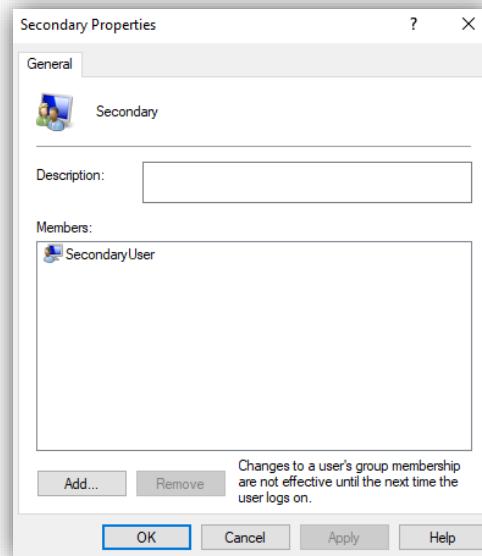


The 'Vocational Properties' dialog box shows the properties for the 'Vocational' group. It has two tabs: General and Members. The 'General' tab is selected, showing:

- Description: (empty field)
- Members: VocationalUser

Buttons at the bottom: Add..., Remove, OK, Cancel, Apply, Help.

Changes to a user's group membership are not effective until the next time the user logs on.



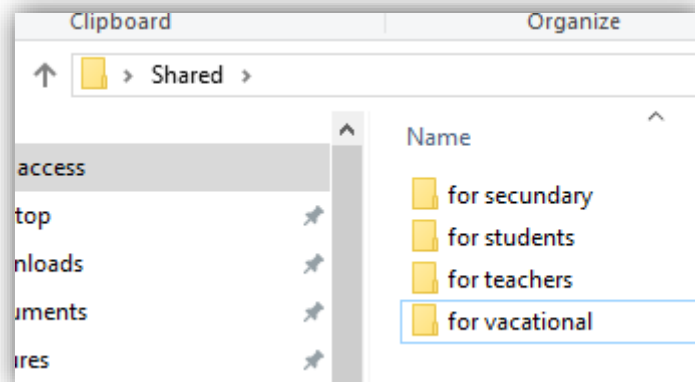
The 'Secondary Properties' dialog box shows the properties for the 'Secondary' group. It has two tabs: General and Members. The 'General' tab is selected, showing:

- Description: (empty field)
- Members: SecondaryUser

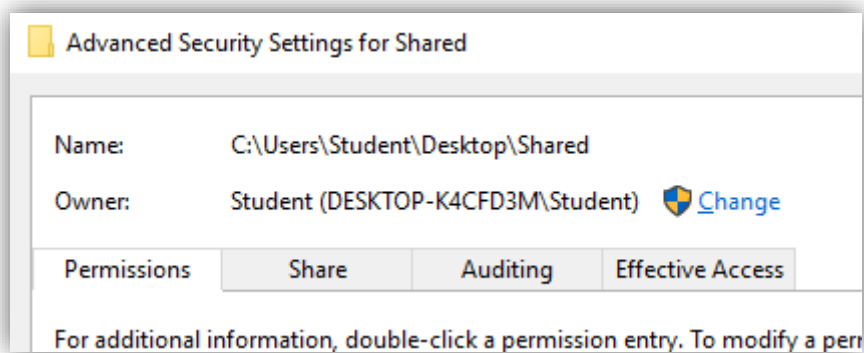
Buttons at the bottom: Add..., Remove, OK, Cancel, Apply, Help.

Changes to a user's group membership are not effective until the next time the user logs on.

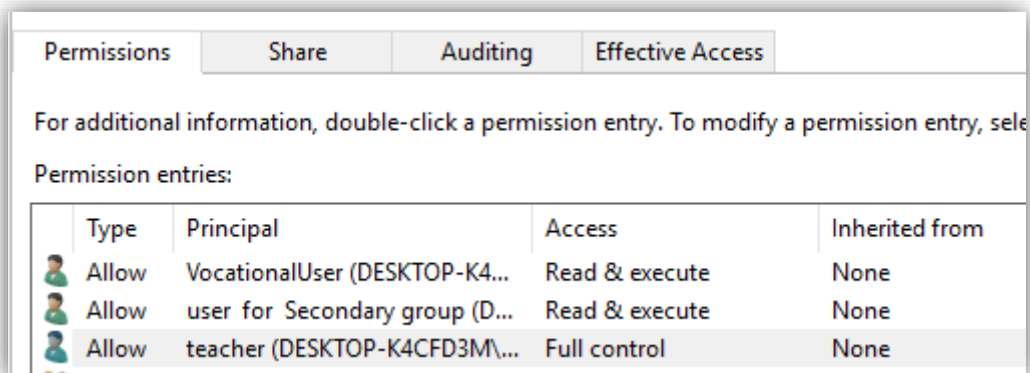
2.



- a. Right-click on the folder and go to properties, then advanced security.

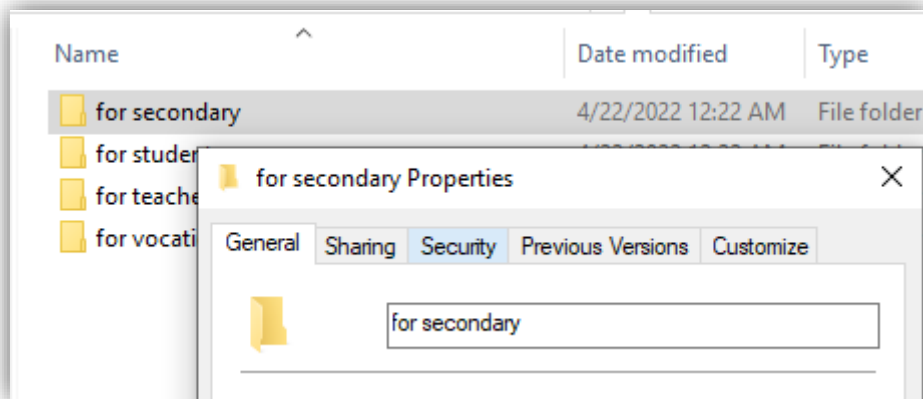


Add the corresponding permissions:

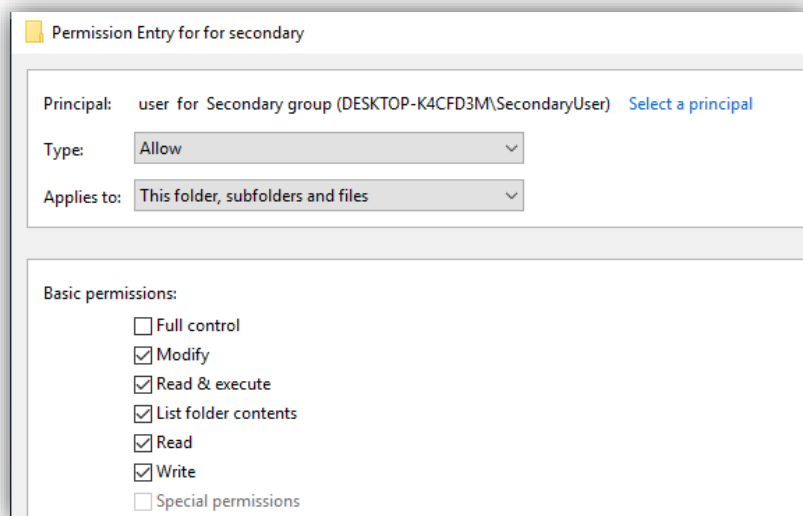


If we want to do the same without inheritance we just need to disable inheritance and give the corresponding permissions.

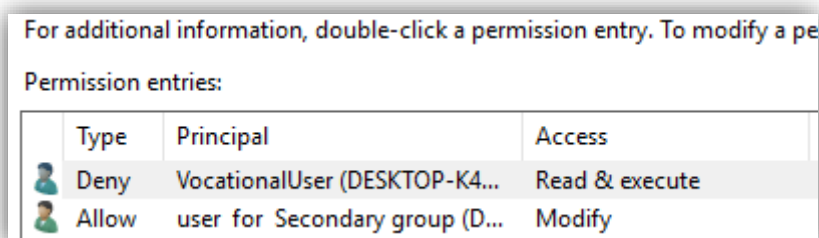
- b. In this case, we need to go to the Secondary folder, right-click, select properties and set non-access for vocationalUser, and give modify permission to SecondaryUser:



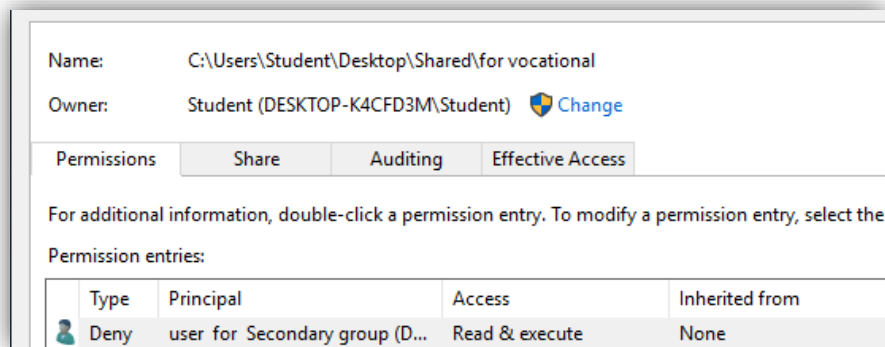
For secondaryUser we need to give modify permission, go to the Security tab/advanced/add, and then give the permission required:



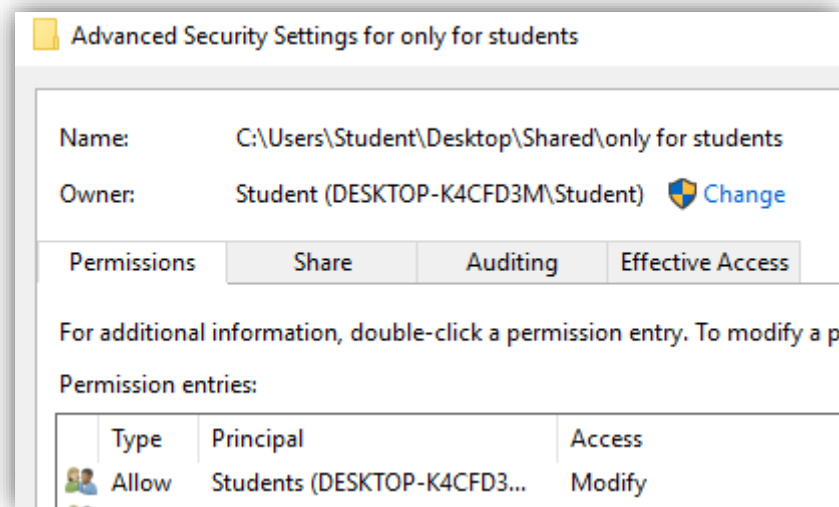
Do the same process with vocationalUser, but this time to deny access:



- c. For this part, for vocationalUser we need to deny permissions, and for secondaryUser we don't need to do anything because the permissions required are the same that this has by inheritance.



- d. For this proposal, we need to give modify permission to the group students:



- e. In this case, without inheritance is the easiest way to do this, we just disable inheritance from properties/security/advanced option, delete all other users and add teacher with full control, but for the case with inheritance, we should need to put every other user deny permission, in our case is easy because we don't have many user, but in other cases with hundred of user this way is not recommended.