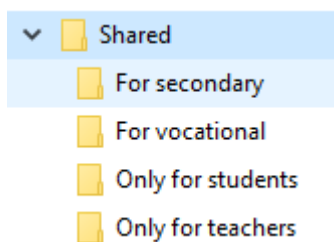


EXERCISE: Users, groups and permissions

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.

EXERCISE: Users, groups and permissions

Preserving inheritance

```
E:\>icacls 3rdexercise\*
3rdexercise\shared NT AUTHORITY\SYSTEM:(I)(OI)(CI)(F)
DESKTOP-J3JNGH0\vocational:(I)(OI)(CI)(S,X)
DESKTOP-J3JNGH0\teachers:(I)(OI)(CI)(S,X)
DESKTOP-J3JNGH0\secondary:(I)(OI)(CI)(S,X)
BUILTIN\Administrators:(I)(OI)(CI)(F)
DESKTOP-J3JNGH0\secondary1:(I)(OI)(CI)(RX)
DESKTOP-J3JNGH0\vocational1:(I)(OI)(CI)(RX)
DESKTOP-J3JNGH0\teacher1:(I)(OI)(CI)(F)

Successfully processed 1 files; Failed processing 0 files

E:\>icacls 3rdexercise\shared\*
3rdexercise\shared\forSecondary DESKTOP-J3JNGH0\vocational:(OI)(CI)(DENY)(R)
DESKTOP-J3JNGH0\teachers:(OI)(CI)(DENY)(R)
DESKTOP-J3JNGH0\secondary:(OI)(CI)(M,WO,DC)
DESKTOP-J3JNGH0\teacher1:(OI)(CI)(F)
NT AUTHORITY\SYSTEM:(I)(OI)(CI)(F)
DESKTOP-J3JNGH0\vocational:(I)(OI)(CI)(S,X)
DESKTOP-J3JNGH0\teachers:(I)(OI)(CI)(S,X)
DESKTOP-J3JNGH0\secondary:(I)(OI)(CI)(S,X)
BUILTIN\Administrators:(I)(OI)(CI)(F)
DESKTOP-J3JNGH0\secondary1:(I)(OI)(CI)(RX)
DESKTOP-J3JNGH0\vocational1:(I)(OI)(CI)(RX)
DESKTOP-J3JNGH0\teacher1:(I)(OI)(CI)(F)

3rdexercise\shared\forVocational DESKTOP-J3JNGH0\teachers:(OI)(CI)(DENY)(R)
DESKTOP-J3JNGH0\secondary:(OI)(CI)(DENY)(R)
DESKTOP-J3JNGH0\vocational:(OI)(CI)(RX,WO,DC)
DESKTOP-J3JNGH0\teacher1:(OI)(CI)(F)
NT AUTHORITY\SYSTEM:(I)(OI)(CI)(F)
DESKTOP-J3JNGH0\vocational:(I)(OI)(CI)(S,X)
DESKTOP-J3JNGH0\teachers:(I)(OI)(CI)(S,X)
DESKTOP-J3JNGH0\secondary:(I)(OI)(CI)(S,X)
BUILTIN\Administrators:(I)(OI)(CI)(F)
DESKTOP-J3JNGH0\secondary1:(I)(OI)(CI)(RX)
DESKTOP-J3JNGH0\vocational1:(I)(OI)(CI)(RX)
DESKTOP-J3JNGH0\teacher1:(I)(OI)(CI)(F)
```

```
3rdexercise\shared\onlyforStudent DESKTOP-J3JNGH0\teachers:(OI)(CI)(DENY)(R)
DESKTOP-J3JNGH0\vocational:(OI)(CI)(RX,WO)
DESKTOP-J3JNGH0\secondary:(OI)(CI)(RX,WO)
DESKTOP-J3JNGH0\teacher1:(OI)(CI)(F)
NT AUTHORITY\SYSTEM:(I)(OI)(CI)(F)
DESKTOP-J3JNGH0\vocational:(I)(OI)(CI)(S,X)
DESKTOP-J3JNGH0\teachers:(I)(OI)(CI)(S,X)
DESKTOP-J3JNGH0\secondary:(I)(OI)(CI)(S,X)
BUILTIN\Administrators:(I)(OI)(CI)(F)
DESKTOP-J3JNGH0\secondary1:(I)(OI)(CI)(RX)
DESKTOP-J3JNGH0\vocational1:(I)(OI)(CI)(RX)
DESKTOP-J3JNGH0\teacher1:(I)(OI)(CI)(F)

3rdexercise\shared\onlyforTeachers DESKTOP-J3JNGH0\vocational:(OI)(CI)(DENY)(R)
DESKTOP-J3JNGH0\teachers:(OI)(CI)(DENY)(M,D)
DESKTOP-J3JNGH0\secondary:(OI)(CI)(DENY)(R)
DESKTOP-J3JNGH0\teacher1:(OI)(CI)(DENY)(M,D,WDAC,WO,REA,DC,RA)
NT AUTHORITY\SYSTEM:(I)(OI)(CI)(F)
DESKTOP-J3JNGH0\vocational:(I)(OI)(CI)(S,X)
DESKTOP-J3JNGH0\teachers:(I)(OI)(CI)(S,X)
DESKTOP-J3JNGH0\secondary:(I)(OI)(CI)(S,X)
BUILTIN\Administrators:(I)(OI)(CI)(F)
DESKTOP-J3JNGH0\secondary1:(I)(OI)(CI)(RX)
DESKTOP-J3JNGH0\vocational1:(I)(OI)(CI)(RX)
DESKTOP-J3JNGH0\teacher1:(I)(OI)(CI)(F)

Successfully processed 4 files; Failed processing 0 files
```

No Inheritance

[illegible]