

Do the following:

- a) Explain the users and groups required for the computer.
 - b) Explain the folders we need according to the criteria above.
 - c) Set the NTFS permissions for all the users and groups in each folder created in part B. For the subfolders, consider two scenarios: inheritance and non-inheritance.
- a) we need to create a user for each type: hardware, software, security and services. we also need the user named “responsible”. and also i create a group for each year: first (includes hardware and software users) and second (includes security and servers)
- b) 4 folders, one per user. 2 folders, for first year and second year student. and we also need the “shared” folder for to share the folder for users
- c) Set the NTFS permissions for all the users and groups in each folder created in part B. For the subfolders, consider two scenarios: inheritance and non-inheritance.

1^a PERSONAL FOLDER FOR EACH TYPE OF USER.

	Allow					Deny				
User/Group	Full Control	Modify	Read & Execute	Read	Write	Full Control	Modify	Read & Execute	Read	Write
Hardware	X	X	X	X	X					

read in this case meaning for folders. permits viewing and listing of files and subfolders

write: permits adding of files and subfolders

read & execute. permits viewing and listing of files and subfolders as well as executing of files; inherited by files and folders

list folder contents. permits viewing and listing of files and subfolders as well as executing of files; inherited by folders only

modify- permits reading and writing of files and subfolders; allows deletion of the folder

full control- permits reading, writing, changing and deleting of files and subfolders

Shared folder. We set the permissions at group level (we created groups for first and second-year students)

	Allow					Deny				
User/Group	Full Control	Modify	Read & Execute	Read	Write	Full Control	Modify	Read & Execute	Read	Write
first			X	X						
second			X	X						
software									X	
responsible		X	X	X	X					

First-year students folder. We keep the permissions for “responsible” because it is the administrator.

With inheritance.

here in the exercise to say · A folder only for first year students into the shared folder, where they can create files and folders, but not delete them.

	Allow					Deny				
User/Group	Full Control	Modify	Read & Execute	Read	Write	Full Control	Modify	Read & Execute	Read	Write
first (inherited)			X	X						
second (inherited)			X	X						
software (inherited)									X	
responsible (inherited)		X	X	X	X					
first (explicit)			X	X	X					
second (explicit)									X	

Without inheritance. We keep the user “responsible” because he/she is the “Administrator”

	Allow	Deny
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User/Group	Full Control	Modify	Read & Execute	Read	Write	Full Control	Modify	Read & Execute	Read	Write
first			X	X	X					
responsible		X	X	X	X					

In addition, “software students” will not be able to access the folder, since first-year is a subfolder of “Shared” and they do not have permissions for the parent.

For second-year will be similar, but swapping first and second permissions. In this case, we are not denying any user that belongs to the “second group”. For this folder, all the second year users will access the folder.

As a result...

With inheritance.

	Allow					Deny				
User/Group	Full Control	Modify	Read & Execute	Read	Write	Full Control	Modify	Read & Execute	Read	Write
first (inherited)			X	X						
second (inherited)			X	X						

software (inherited)									X	
responsible (inherited)		X	X	X	X					
second (explicit)			X	X	X					
first (explicit)									X	

Without inheritance. We keep the user “responsible” because he/she is the “Administrator”

	Allow					Deny				
User/Group	Full Control	Modify	Read & Execute	Read	Write	Full Control	Modify	Read & Execute	Read	Write
second			X	X	X					
responsible		X	X	X	X					