NTFS Exercises (IV)

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Fill in the following folder and file permissions tables based on the following criteria:

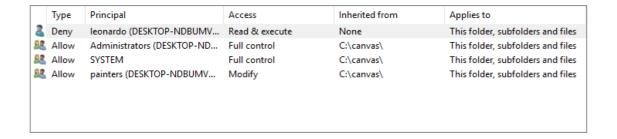
- We have two groups: painters and musicians
- The users named **goya**, **velazquez and leonardo** belong to the group **painters**, among others.
- The users named **verdi, mozart and albeniz** belong to the group **musicians**, among others
- Only the painters can access the folder canvas to create and delete files. The remaining users cannot enter into it.
- Only the musicians can access the folder hall to create and delete files. The remaining users cannot enter into it.
- The user **leonardo** cannot access the folder **prado**
- The folder louvre can be accessed exclusively by goya and velazquez, but only with the read permission
- The user albeniz cannot access the folder opera
- The file donjuan.wav can be accessed exclusively by mozart.
- The file lasmeninas.jpg into prado can be opened by all the painters except goya

Directory tree

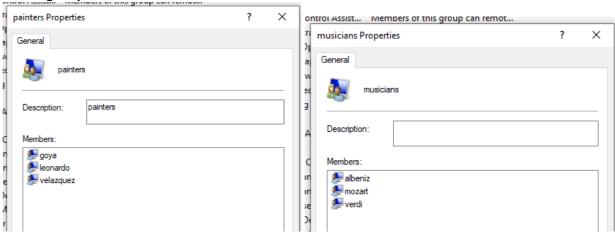
- canvas
 - louvre
 - prado
 - lasmeninas.jpg
- hall
- opera
 - donjuan.wav

For each folder, create a table similar to the one below in which you will include all the necessary user and groups. Consider two scenarios: inheritance and inheritance and inheritance.

Administrators are irrelevant. Suppose they have Full Control over all the files and folders.

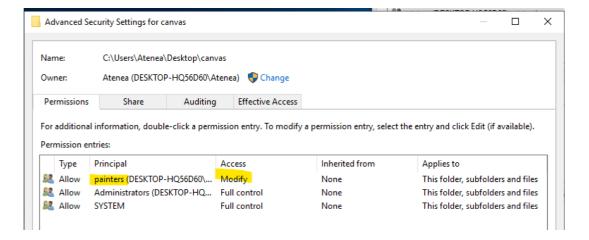


The groups and users:



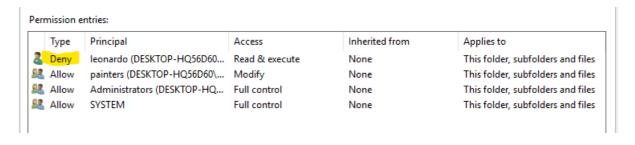
Permission table – <u>canvas</u> folder permissions

			Allow			Deny				
User/Group	Full Control	Modify	Read & Execute	Read	Write	Full Control	Modify	Read & Execute	Read	Write
Painters		Х	Х	X	Х					
(EXPLICIT)										



Permission table – <u>prado</u> folder permissions (the same without inheritance, although painters has explicit permissions)

		Allow					Deny				
User/Group	Full Control	Modify	Read & Execute	Read	Write	Full Control	Modify	Read & Execute	Read	Write	
Painters			Х	Х							
(INHERITED)											
Leonardo								Χ	Х		
(EXPLICIT)											



Permission table - <u>louvre(1)</u> folder permissions (disable inheritance to delete the inherited group "painters")

			Allow			Deny					
User/Group	Full Control	Modify	Read & Execute	Read	Write	Full Control	Modify	Read & Execute	Read	Write	
Goya (EXPLICIT)			Х	Х							
Velazquez (EXPLICIT)			Х	Х							

Owr	ner:	Atenea (DESKTOR	P-HQ56D60\A	tenea) 🌎 Change		
Per	missions	Share	Auditing	Effective Access		
For	additional	information, doubl	e-click a perm	nission entry. To modify	a permission entry, select	the entry and click Edit (if available).
Pern	nission en	tries:				
	Туре	Principal		Access	Inherited from	Applies to
2	Allow	goya (DESKTOP-HO	Q56D60\go	Read & execute	None	This folder, subfolders and files
82	Allow	Administrators (DE	SKTOP-HQ	Full control	None	This folder, subfolders and files
52	Allow	SYSTEM		Full control	None	This folder, subfolders and files
2	Allow =	velazguez (DESKTO	P-HO56D6	Read & execute	None	This folder, subfolders and files

Permission table – louvre(2) folder permissions. It's NOT POSIBLE WITH INHERITANCE. The only possibilities are:

1. Denying permission from painters. As a result, goya and velazquez would not be able to access the folder.

			Allow			Deny				
User/Group	Full Control	Modify	Read & Execute	Read	Write	Full Control	Modify	Read & Execute	Read	Write
painters (INHERITED)		Х	Х	Х	Х					
Leonardo (INHERITED)									Х	
painters (EXPLICIT)							Х	Х	Х	Х
goya (EXPLICIT)			Х	Х						
velazquez (EXPLICIT)			Х	Х						

	Type	Principal	Access	Inherited from	Applies to
Z I	Deny	painters (DESKTOP-HQ56D60	Modify	None	This folder, subfolders and files
Ī	Deny	leonardo (DESKTOP-HQ56D6	Read	None	This folder, subfolders and files
	Allow	Administrators (DESKTOP-H	Full control	None	This folder, subfolders and file
	Allow	SYSTEM	Full control	None	This folder, subfolders and file
,	Allow	goya (DESKTOP-HQ56D60\g	Read & execute	None	This folder, subfolders and file
,	Allow	velazquez (DESKTOP-HQ56D	Read & execute	None	This folder, subfolders and file
l ,	Allow	painters (DESKTOP-HQ56D60	Modify	C:\Users\Atenea\Desk	This folder, subfolders and file
	Allow	Administrators (DESKTOP-H	Full control	C:\Users\Atenea\Desk	This folder, subfolders and file
	Allow	SYSTEM	Full control	C:\Users\Atenea\Desk	This folder, subfolders and file
	Allow	Atenea (DESKTOP-HQ56D60\	Full control	C:\Users\Atenea\	This folder, subfolders and file

2. Not denying permission from painters. As a result, all the users belonging to painters (except for leonardo) could access the folder.

			Allow					Deny		
User/Group	Full Control	Modify	Read & Execute	Read	Write	Full Control	Modify	Read & Execute	Read	Write
painters (INHERITED)		Х	Х	Х	Х					
leonardo (INHERITED)									Х	
goya (EXPLICIT)			Х	X						
velazquez (EXPLICIT)			Х	Х						

For additional information, double-click a permission entry. To modify a permission entry, select the entry and click Edit (if available).

Permission entries:

	Type	Principal	Access	Inherited from	Applies to
9	Allow	Administrators (DESKTOP-HQ	Full control	None	This folder, subfolders and files
9	Allow	Administrators (DESKTOP-HQ	Full control	C:\Users\Atenea\Deskt	This folder, subfolders and files
2	Allow	Atenea (DESKTOP-HQ56D60\	Full control	C:\Users\Atenea\	This folder, subfolders and files
2	Allow	goya (DESKTOP-HQ56D60\go	Read & execute	None	This folder, subfolders and files
2	Deny	leonardo (DESKTOP-HQ56D60	Read	None	This folder, subfolders and files
9	Allow	painters (DESKTOP-HQ56D60\	Modify	C:\Users\Atenea\Deskt	This folder, subfolders and files
92	Allow	SYSTEM	Full control	None	This folder, subfolders and files
92	Allow	SYSTEM	Full control	C:\Users\Atenea\Deskt	This folder, subfolders and files
2	Allow	velazquez (DESKTOP-HQ56D6	Read & execute	None	This folder, subfolders and files

3. Only denying write and modify permissions from painters. As a result, all the painters at least have read permissions.

			Allow			Deny				
User/Group	Full Control	Modify	Read & Execute	Read	Write	Full Control	Modify	Read & Execute	Read	Write
painters (INHERITED)		Х	Х	X	X					
leonardo (INHERITED)									X	
painters (EXPLICIT)							Х			Х
goya (EXPLICIT)			X	X						
velazquez (EXPLICIT)			Х	Х						

For additional information, double-click a permission entry. To modify a permission entry, select the entry and click Edit (if available).

Permission entries:

	Type	Principal	Access	Inherited from	Applies to
9	Allow	Administrators (DESKTOP-HQ	Full control	None	This folder, subfolders and files
02	Allow	Administrators (DESKTOP-HQ	Full control	C:\Users\Atenea\Deskt	This folder, subfolders and files
2	Allow	Atenea (DESKTOP-HQ56D60\	Full control	C:\Users\Atenea\	This folder, subfolders and files
2	Allow	goya (DESKTOP-HQ56D60\go	Read & execute	None	This folder, subfolders and file
2	Deny	leonardo (DESKTOP-HQ56D60	Read	None	This folder, subfolders and file
8	Deny	painters (DESKTOP-HQ56D60\	Special	None	This folder, subfolders and file
2	Allow	painters (DESKTOP-HQ56D60\	Modify	C:\Users\Atenea\Deskt	This folder, subfolders and file
2	Allow	SYSTEM	Full control	None	This folder, subfolders and files
12	Allow	SYSTEM	Full control	C:\Users\Atenea\Deskt	This folder, subfolders and file
2	Allow	velazquez (DESKTOP-HQ56D6	Read & execute	None	This folder, subfolders and file

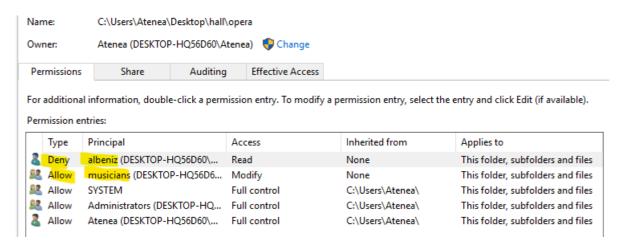
Permission table – <u>lasmeninas.jpg</u> permissions (the same WITHOUT inheritance, but the inherited permissions would be explicit ones)

		Allow					Deny				
User/Group	Full Control	Modify	Read & Execute	Read	Write	Full Control	Modify	Read & Execute	Read	Write	
Painters (INHERITED)		Х	Х	X	Х						
Leonardo (INHERITED)									Х		
Goya (EXPLICIT)									х		

Name: C:\Users\Atenea\Desktop\canvas\prado\lasmeninas.jpg Owner: Atenea (DESKTOP-HQ56D60\Atenea) Phange Resource Properties 🔍 Share Auditing Effective Access Permissions For additional information, double-click a permission entry. To modify a permission entry, select the entry and click Edit (if available). Permission entries: Type Principal Inherited from Access goya (DESKTOP-HQ56D60\qoya) Deny Read & execute None Deny leonardo (DESKTOP-HQ56D60\leonardo) C:\Users\Atenea\Desktop\canvas\prado\ Read & execute Allow 🎎 painters (DESKTOP-HQ56D60\painters) C:\Users\Atenea\Desktop\canvas\prado\ Modify Allow 🎎 Administrators (DESKTOP-HQ56D60\Admin... Full control C:\Users\Atenea\Desktop\canvas\prado\ Allow 🎎 SYSTEM Full control Allow Atenea (DESKTOP-HQ56D60\Atenea) Full control $C:\Users\Atenea\Desktop\canvas\prado\$

Permission table – <u>opera</u> folder permissions (the same without inheritance, but the inherited permissions would be explicit ones)

			Allow					Deny		
User/Group	Full Control	Modify	Read & Execute	Read	Write	Full Control	Modify	Read & Execute	Read	Write
Musicians (INHERITED)		Х	Х	х	Х					
Albeniz (<mark>EXPLICIT</mark>)									x	



Permission table - donjuan.wav permissions

Notes: it's needed to "Disable inheritance" so that only *mozart* accesses the file. Nobody will be able to delete the file except the administrator, who has Full Control over the parent folder. It is not possible again to complete this part with inheritance. It's required to deny the permission from musicians, which takes precedence over the inherited "allow" permissions.

_	Allow					Deny				
User/Group	Full Control	Modify	Read & Execute	Read	Write	Full Control	Modify	Read & Execute	Read	Write
Mozart			Χ	Χ						
(EXPLICIT)										

