

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 ____prado: lasmeninas.jpg

| ____louvre

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 non-inheritance.

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

Permission table:

Canvas folder with inheritance

	Allow					Deny				
User/Group	Full Control	Modify	Read & execute	Read	Write	Full Control	Modify	Read & execute	Read	Write
Painters		X	X	X	X					
Musicians								X	X	X

Canvas folder without inheritance

Just remove all the others users.

	Allow					Deny				
User/Group	Full Control	Modify	Read & execute	Read	Write	Full Control	Modify	Read & execute	Read	Write
Painters		X	X	X	X					
Musicians										

Hall folder with inheritance

	Allow					Deny				
User/Group	Full Control	Modify	Read & execute	Read	Write	Full Control	Modify	Read & execute	Read	Write
Painters		X	X	X	X					
Musicians								X	X	X

Hall folder without inheritance

Same as the previous example above.

	Allow					Deny				
User/Group	Full Control	Modify	Read & execute	Read	Write	Full Control	Modify	Read & execute	Read	Write
Painters		X	X	X	X					
Musicians	-	-	-	-	-	-	-	-	-	-

Prado folder with inheritance

	Allow					Deny				
User/Group	Full Control	Modify	Read & execute	Read	Write	Full Control	Modify	Read & execute	Read	Write
Leonardo							X	X	X	X
Painters		X	X	X	X					

Prado folder without inheritance

In this case, we disable inheritance and add individually each painter, leaving out Leonardo.

	Allow					Deny				
User/Group	Full Control	Modify	Read & execute	Read	Write	Full Control	Modify	Read & execute	Read	Write
Goya		X	X	X	X					
Velazquez		X	X	X						
Leonardo	-	-	-	-	-	-	-	-	-	-

Louvre folder with inheritance

	Allow					Deny				
User/Group	Full Control	Modify	Read & execute	Read	Write	Full Control	Modify	Read & execute	Read	Write
Goya		X	X	X	X		X	X		
Velazquez		X	X	X	X		X	X		
Leonardo		X	X	X	X		X	X	X	X

Louvre folder without inheritance

In this case, we need to delete the group Painters and add just Goya and Velazquez.

	Allow					Deny				
User/Group	Full Control	Modify	Read & execute	Read	Write	Full Control	Modify	Read & execute	Read	Write
Goya				X						
Velazquez				X						

Opera folder with inheritance

	Allow					Deny				
User/Group	Full Control	Modify	Read & execute	Read	Write	Full Control	Modify	Read & execute	Read	Write
Albeniz		X	X	X	X		X	X	X	X
Musicians		X	X	X	X					

Opera folder without inheritance

In this case, we need to delete the group Musicians and add Verdi and Mozart.

	Allow					Deny				
User/Group	Full Control	Modify	Read & execute	Read	Write	Full Control	Modify	Read & execute	Read	Write
Verdi		X	X	X	X					
Mozart		X	X	X	X					

Donjuan.wav file with inheritance

	Allow					Deny				
User/Group	Full Control	Modify	Read & execute	Read	Write	Full Control	Modify	Read & execute	Read	Write
Verdi		X	X	X	X		X	X	X	X
Albeniz		X	X	X	X		X	X	X	X
Mozart		X	X	X	X					

Donjuan.wav file without inheritance

Disable inheritance and take out other users and just add Mozart.

	Allow					Deny				
User/Group	Full Control	Modify	Read & execute	Read	Write	Full Control	Modify	Read & execute	Read	Write
Mozart		X	X	X	X					

Lasmeninas.jpg file with inheritance into Prado folder.

It is not necessary to do anything else with Leonardo because he hasn't access to the Prado folder.

	Allow					Deny				
User/Group	Full Control	Modify	Read & execute	Read	Write	Full Control	Modify	Read & execute	Read	Write
Painters		X	X	X	X					
Goya		X	X	X	X		X	X	X	X

Lasmeninas.jpg file without inheritance into Prado folder.

Disable inheritance, remove painters and add just Velazquez.

	Allow					Deny				
User/Group	Full Control	Modify	Read & execute	Read	Write	Full Control	Modify	Read & execute	Read	Write
Velazquez		X	X	X	X					