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.

--> With and without inheritance as the root folder it's the same for both

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| ***Canvas folder*** | **Allow** | | | | | **Deny** | | | | |
| User/Group | **Full Control** | **Modify** | **Read & Execute** | **Read** | **Write** | **Full**  **Control** | **Modify** | **Read & Execute** | **Read** | **Write** |
| painters |  | X | X | X |  |  |  |  |  |  |

--> With and without inheritance as the root folder it's the same for both

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| ***Hall folder*** | **Allow** | | | | | **Deny** | | | | |
| User/Group | **Full Control** | **Modify** | **Read & Execute** | **Read** | **Write** | **Full**  **Control** | **Modify** | **Read & Execute** | **Read** | **Write** |
| musicians |  | X | X | X |  |  |  |  |  |  |

* With inheritance

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| ***Prado folder*** | **Allow** | | | | | **Deny** | | | | |
| User/Group | **Full Control** | **Modify** | **Read & Execute** | **Read** | **Write** | **Full**  **Control** | **Modify** | **Read & Execute** | **Read** | **Write** |
| Painters  (inherited) |  | X | X | X |  |  |  |  |  |  |
| Leonardo  (explicit) |  |  |  |  |  |  |  |  | X |  |

* Without inheritance (In case the rest need to have the same permissions as in the parent folder)

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| ***Prado folder*** | **Allow** | | | | | **Deny** | | | | |
| User/Group | **Full Control** | **Modify** | **Read & Execute** | **Read** | **Write** | **Full**  **Control** | **Modify** | **Read & Execute** | **Read** | **Write** |
| Painters  (explicit) |  | X | X | X |  |  |  |  |  |  |
| Leonardo  (explicit) |  |  |  |  |  |  | X | X | X |  |

* With inheritance

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| ***Louvre folder*** | **Allow** | | | | | **Deny** | | | | |
| User/Group | **Full Control** | **Modify** | **Read & Execute** | **Read** | **Write** | **Full**  **Control** | **Modify** | **Read & Execute** | **Read** | **Write** |
| Painters  (inherited) |  | X | X | X |  |  |  |  |  |  |
| Painters  (explicit) |  |  |  |  |  |  | X | X |  |  |
| Leonardo  (explicit) |  |  |  |  |  |  | X | X | X |  |

* Without inheritance

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| ***Louvre folder*** | **Allow** | | | | | **Deny** | | | | |
| User/Group | **Full Control** | **Modify** | **Read & Execute** | **Read** | **Write** | **Full**  **Control** | **Modify** | **Read & Execute** | **Read** | **Write** |
| Painters  (explicit) |  |  |  | X |  |  |  |  |  |  |
| Leonardo  (explicit) |  |  |  |  |  |  |  |  | X |  |

* With inheritance

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| ***Opera folder*** | **Allow** | | | | | **Deny** | | | | |
| User/Group | **Full Control** | **Modify** | **Read & Execute** | **Read** | **Write** | **Full**  **Control** | **Modify** | **Read & Execute** | **Read** | **Write** |
| Musicians  (inherited) |  | X | X | X |  |  |  |  |  |  |
| Albeniz  (explicit) |  |  |  |  |  |  | X | X | X |  |

* Without inheritance (In case the rest need to have the same permissions as in the parent folder)

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| ***Opera folder*** | **Allow** | | | | | **Deny** | | | | |
| User/Group | **Full Control** | **Modify** | **Read & Execute** | **Read** | **Write** | **Full**  **Control** | **Modify** | **Read & Execute** | **Read** | **Write** |
| Musicians  (explicit) |  | X | X | X |  |  |  |  |  |  |
| Albeniz  (explicit) |  |  |  |  |  |  | X | X | X |  |

* With inheritance

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| ***Donjuan.wav*** | **Allow** | | | | | **Deny** | | | | |
| User/Group | **Full Control** | **Modify** | **Read & Execute** | **Read** | **Write** | **Full**  **Control** | **Modify** | **Read & Execute** | **Read** | **Write** |
| Musicians  (inherited) |  | X | X | X |  |  |  |  |  |  |
| Verdi  (explicit) |  |  |  |  |  |  |  |  | X |  |
| Albeniz  (explicit) |  |  |  |  |  |  |  |  | X |  |
| Musicians  (explicit) |  |  |  |  |  |  | X | X |  |  |

* Without inheritance

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| ***Donjuan.wav*** | **Allow** | | | | | **Deny** | | | | |
| User/Group | **Full Control** | **Modify** | **Read & Execute** | **Read** | **Write** | **Full**  **Control** | **Modify** | **Read & Execute** | **Read** | **Write** |
| Mozart  (explicit) |  |  |  | X |  |  |  |  |  |  |

* With inheritance

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| ***Lasmeninas.jpg*** | **Allow** | | | | | **Deny** | | | | |
| User/Group | **Full Control** | **Modify** | **Read & Execute** | **Read** | **Write** | **Full**  **Control** | **Modify** | **Read & Execute** | **Read** | **Write** |
| Painters  (inherited) |  | X | X | X |  |  |  |  |  |  |
| Painters  (explicit) |  |  |  |  |  |  | X |  |  |  |
| Goya  (explicit) |  |  |  |  |  |  | X | X | X |  |

* Without inheritance

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| ***Donjuan.wav*** | **Allow** | | | | | **Deny** | | | | |
| User/Group | **Full Control** | **Modify** | **Read & Execute** | **Read** | **Write** | **Full**  **Control** | **Modify** | **Read & Execute** | **Read** | **Write** |
| Painted  (explicit) |  |  | X | X |  |  |  |  |  |  |
| Goya  (explicit) |  |  |  |  |  |  |  | X | X |  |