

WINDOWS SERVER: Active Directory

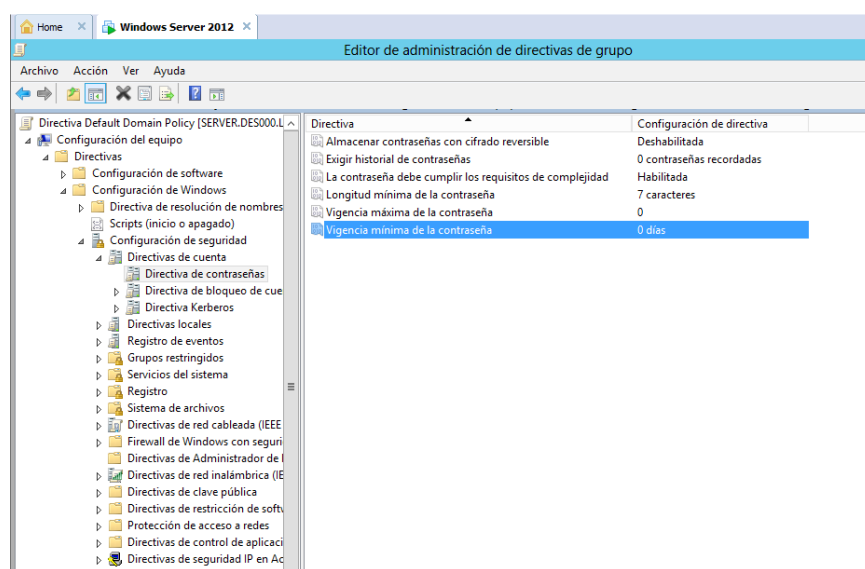
Instructions: You have to make a document with all the practices reported. Try to explain all the procedures by screenshots, explanations or whatever you may find useful to describe what you're doing. You need a windows client to test AD. If your computer can handle windows 7 and Windows Server (2008 or 2012) at the same time that's the proper scenario, if not you can try with windows xp client.

Both Server and Client must be in the same network. That's the settings I suggest, but there are more possibilities. Server (Bridged-Adaptador Puente) : static IP 192.168.1.1 / 255.255.255.0 Gateway: 192.168.1.1 DNS: 192.168.1.1

Windows Client (Bridged-Adaptador Puente) : static IP 192.168.1.10 / 255.255.255.0 Gateway: 192.168.1.1 DNS: 192.168.1.1. It may also work with Internal Connection.

If you check connectivity by a ping and it's not working it's because both firewalls are denying it. Try to disable the firewall for testing and you will get ping connectivity.

1. Domain users. Try the following practices. (You have to change password domain policies to try some of these exercises) (Open GPMC.msc -> Go to Default Domain Policy -> Computer Configuration -> Policies -> Windows Settings --> Security Settings --> Account Policies / Password Policy:



- a) Add a user "test1" to the domain that has to change the password after the first logging. Try to log in.

The image shows two sequential screenshots of the 'Nuevo objeto: Usuario' (New Object: User) dialog box in Windows Server. Both windows have a title bar with a red close button and the text 'Nuevo objeto: Usuario'. The 'Crear en:' (Create in) field is set to 'des000.loc/Practica'.

Left Screenshot: The 'Nombre de pila:' (First name) field contains 'test1'. The 'Iniciales:' (Initials) field is empty. The 'Apellidos:' (Last name) field is empty. The 'Nombre completo:' (Full name) field contains 'test1'. The 'Nombre de inicio de sesión de usuario:' (User logon name) section shows 'test1' in the text box and '@des000.loc' in the dropdown menu. Below this, the 'Nombre de inicio de sesión de usuario (anterior a Windows 2000):' (User logon name (prior to Windows 2000)) section shows 'DES000\' in the text box and 'test1' in the adjacent field. At the bottom are buttons for '< Atrás', 'Siguiente >', and 'Cancelar'.

Right Screenshot: This is the next step in the wizard. The 'Contraseña:' (Password) and 'Confirmar contraseña:' (Confirm password) fields both contain masked text (dots). Below these fields are four checkboxes:
- ☒ El usuario debe cambiar la contraseña en el siguiente inicio de sesión (The user must change the password at the next logon)
- ☐ El usuario no puede cambiar la contraseña (The user cannot change the password)
- ☐ La contraseña nunca expira (The password never expires)
- ☐ La cuenta está deshabilitada (The account is disabled)
At the bottom are buttons for '< Atrás', 'Siguiente >', and 'Cancelar'.

- b) Add a user "test2" with no password. Try to log in.

The image shows two sequential screenshots of the 'Nuevo objeto: Usuario' (New Object: User) dialog box in Windows Server. Both windows have a title bar with a red close button and the text 'Nuevo objeto: Usuario'. The 'Crear en:' (Create in) field is set to 'des000.loc/Practica'.

Left Screenshot: The 'Nombre de pila:' (First name) field contains 'test2'. The 'Iniciales:' (Initials) field is empty. The 'Apellidos:' (Last name) field is empty. The 'Nombre completo:' (Full name) field contains 'test2'. The 'Nombre de inicio de sesión de usuario:' (User logon name) section shows 'test2' in the text box and '@des000.loc' in the dropdown menu. Below this, the 'Nombre de inicio de sesión de usuario (anterior a Windows 2000):' (User logon name (prior to Windows 2000)) section shows 'DES000\' in the text box and 'test2' in the adjacent field. At the bottom are buttons for '< Atrás', 'Siguiente >', and 'Cancelar'.

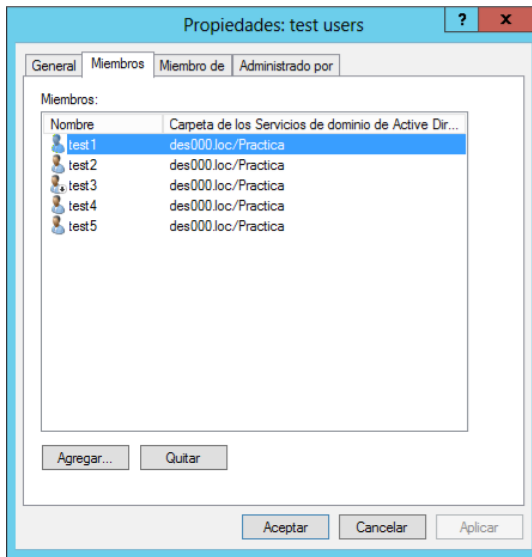
Right Screenshot: This is the next step in the wizard. The 'Contraseña:' (Password) and 'Confirmar contraseña:' (Confirm password) fields are empty. Below these fields are four checkboxes:
- ☐ El usuario debe cambiar la contraseña en el siguiente inicio de sesión (The user must change the password at the next logon)
- ☐ El usuario no puede cambiar la contraseña (The user cannot change the password)
- ☐ La contraseña nunca expira (The password never expires)
- ☐ La cuenta está deshabilitada (The account is disabled)
At the bottom are buttons for '< Atrás', 'Siguiente >', and 'Cancelar'.

c) Add a user “test3” that can only log into the system from 9 am to 1 pm. Try to log in.

The first screenshot, titled "Nuevo objeto: Usuario", shows the user creation wizard. The "Crear en:" field is set to "des000.loc/Practica". The "Nombre de pila:" field contains "test3", and "Iniciales:" is empty. The "Nombre completo:" field also contains "test3". The "Nombre de inicio de sesión de usuario:" field contains "test3", and the dropdown menu shows "@des000.loc". The "Nombre de inicio de sesión de usuario (anterior a Windows 2000):" field contains "DES000\" and "test3". The second screenshot, titled "Horas de inicio de sesión para test5", shows a calendar grid for the week of January 1st to 7th, 2000. The time slots from 9:00 to 10:00 hours are highlighted in blue for all days of the week. The "De lunes a domingo de 9:00 a 10:00 horas" text is at the bottom. The "Aceptar" button is highlighted.

d) Add a new group “test users” with all the users previously created.

The first screenshot, titled "Nuevo objeto: Grupo", shows the group creation wizard. The "Crear en:" field is set to "des000.loc/Practica". The "Nombre de grupo:" field contains "test users". The "Nombre de grupo (anterior a Windows 2000):" field also contains "test users". The "Ámbito de grupo" section has "Global" selected. The "Tipo de grupo" section has "Seguridad" selected. The second screenshot, titled "Seleccionar Grupos", shows the "Seleccionar este tipo de objeto:" dropdown set to "Grupos o Entidades de seguridad integradas". The "Desde esta ubicación:" dropdown is set to "des000.loc". The "Escriba los nombres de objeto que desea seleccionar (ejemplos):" field contains "test users". The "Comprobar nombres" button is highlighted.

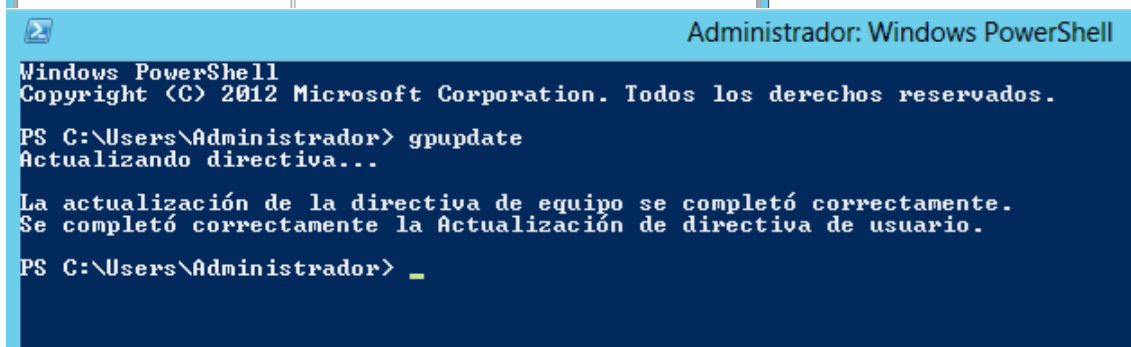
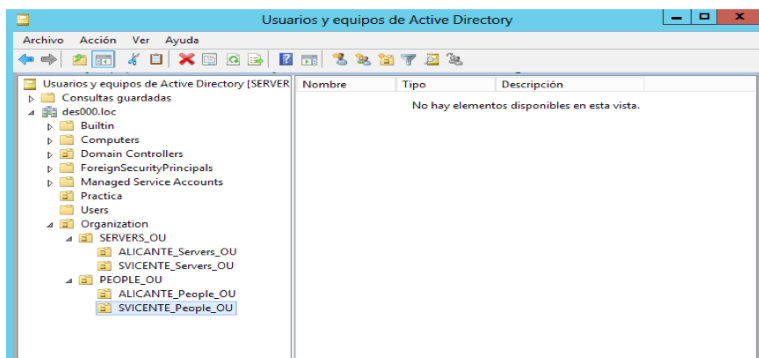


2. Organizational Units.

a) Create a new OU "Organization" .

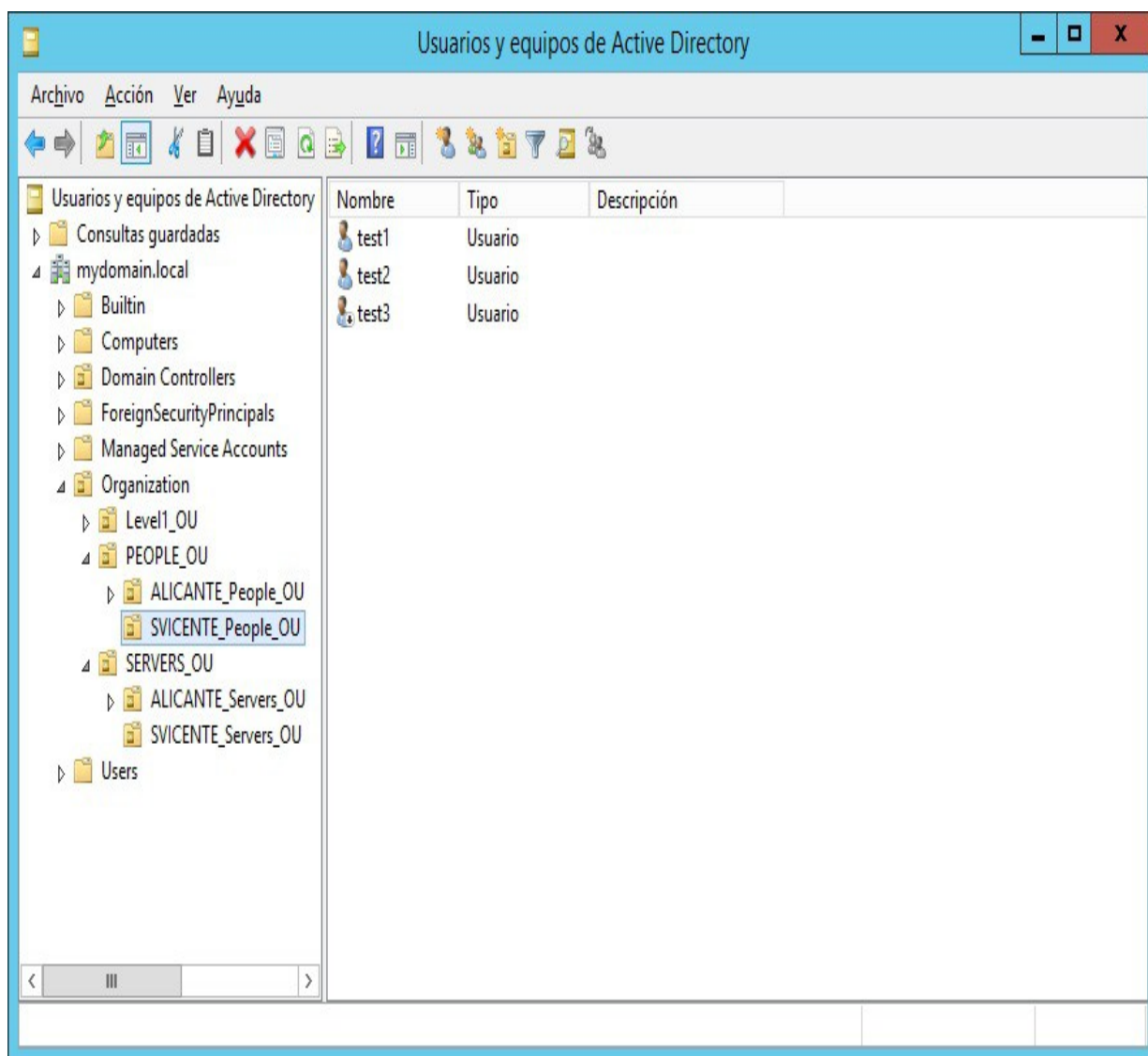
IMPORTANTE → después de configurar cada política hay que actualizar la ejecución de las mismas, esta operación se debe hacer en el servidor y se aconseja también ejecutarla en el cliente. Ejecutar en consola GPUPDATE.

Abrir consola con cmd o powershell y escribir GPUPDATE.



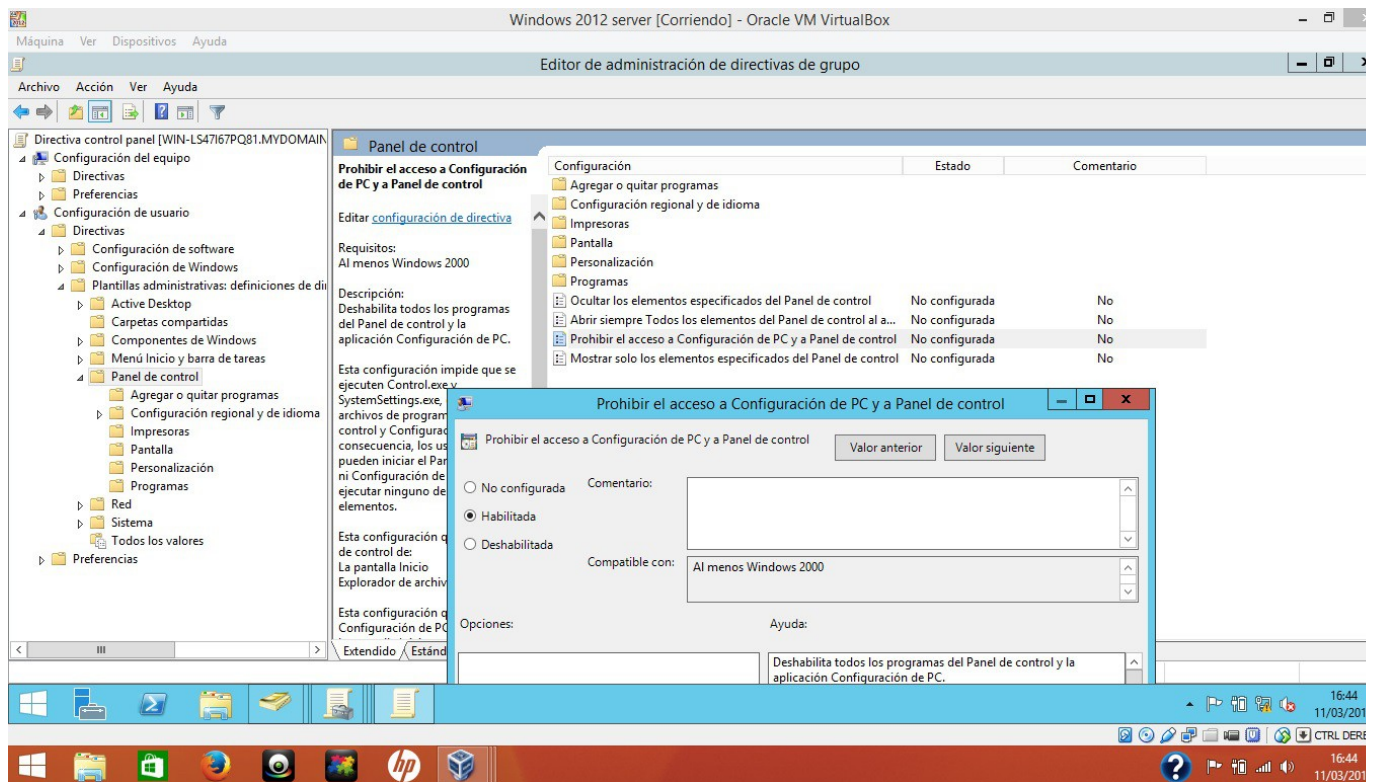
b) Add Test1, Tes2 and Test3 to Organization.

Añadimos los usuarios

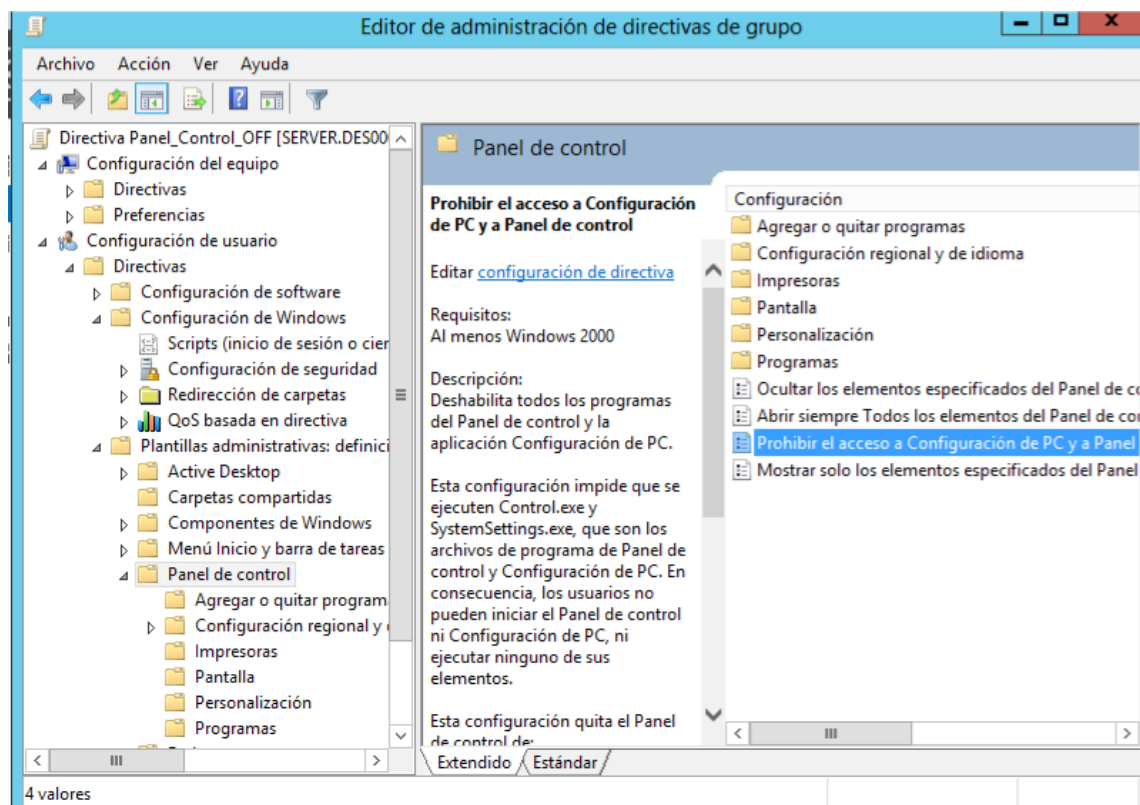


c) Let's try with different policies.- Deny Access to Control Panel.

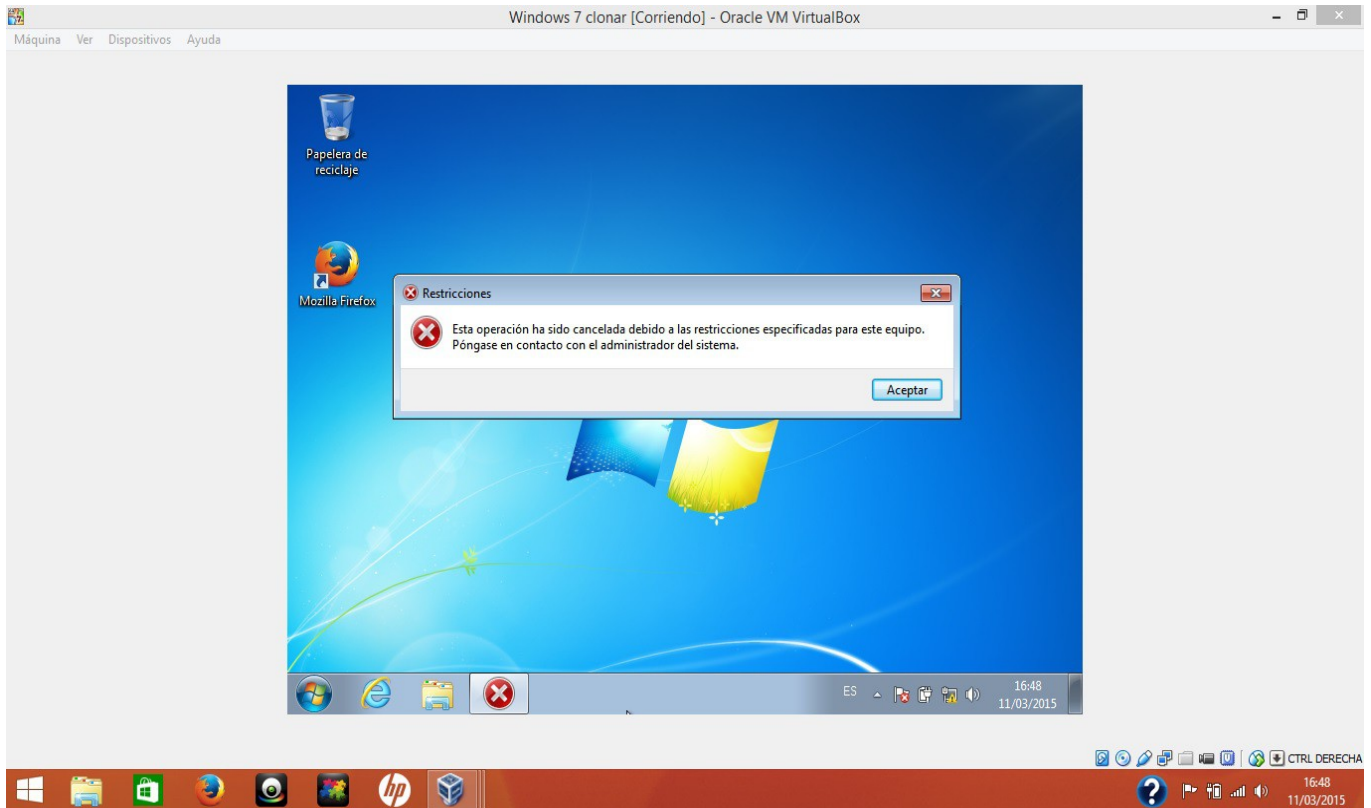
Creamos un Nuevo GPO



Prohibimos el acceso al Panel de control



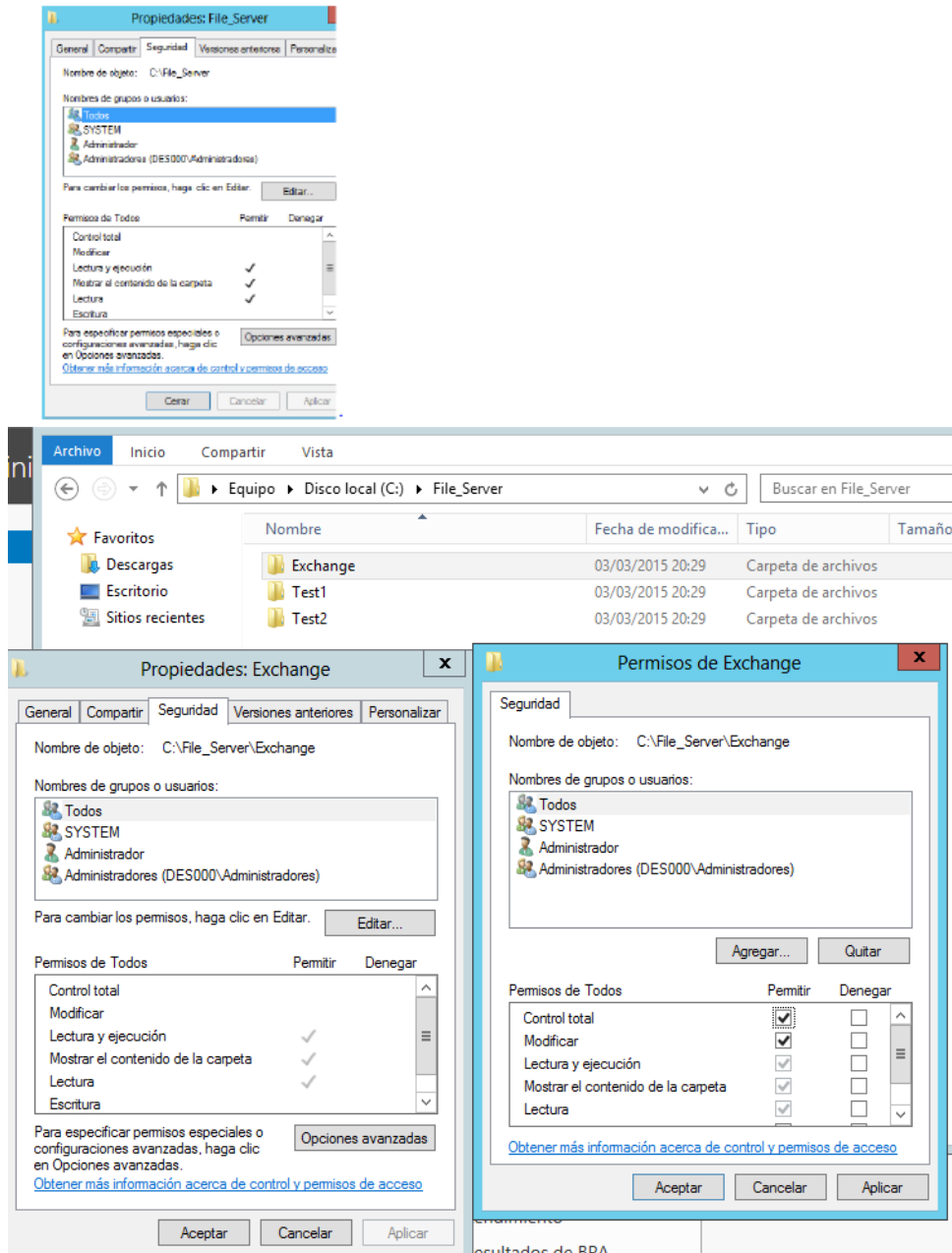
Y lo probamos



3. File services. We are going to create a share folder with subfolders, each one per user, we are only going to manage permissions. You can manage permissions directly in the server. Each user will be only granted to his/her folder. We also will create an exchange folder where all the users will have permission to get in.

- Test1 (subfolder) (only test1 has access permissions)
- Test2 (subfolder) (only test2 has access permissions)
- Exchange (subfolder) (Everyone has access permissions)

Creamos las carpetas. Para Exchange damos permisos a Todos.



Para Test1 quitamos herencia y damos permisos de control total al usuario test1 y al administrador, el resto podemos quitarlos.

