

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.

1. Domain users. Try the following practices.

- a) Add a user "test1" to the domain that has to change the password after the first logging. Try to log in.
- b) Add a user "test2" to the domain whose password never expires. Try to log in.
- c) Add a user "test3" whose account is disabled. Try to log in.
- d) Add a user "test4" with no password. Try to log in.
- e) Add a user "test5" that can only log into the system from 9 am to 1 pm. Try to log in.
- f) Add a user "test6" copying the user "test5". Try to log in. Does the user has the same restriction test6 had?.
- g) Add a user "test7" to the domain that can only log on in a computer which name is W10Client. Try to log in. If your client hasn't got this name try to log in and report the error message.
- h) Add a user "test9" to the domain, prevent it from accidental deletion. Try to delete it.
- i) Add a new group "test users" with all the users previously created.

2. Organizational Units. Try the following practices.

- a) Create a new OU "MY_COMPANY". Within this OU you have to create 3 OUs, whose names are, SERVERS, PCS, COMPANY_USERS. Besides, you must create 3 OUs per each OU.

MY_COMPANY:

-SERVERS:

- ALICANTE_SERVERS
- VALENCIA_SERVERS
- CASTELLON_SERVERS

-PCS:

- ALICANTE_PCS
- VALENCIA_PCS
- CASTELLON_PCS

- COMPANY_USERS:

- ALICANTE_USERS
- VALENCIA_USERS
- CASTELLON_USERS

- b) Add 1 computer to ALICANTE_PCS and deploy software installation using GPO. You have to install the last Firefox version on them by this policy. Pay attention on share and folder permissions.

- c) Add 1 user to VALENCIA_USERS for log on script examples. Write down a simple windows script to show a message, echo "Hello World", and save it into a file. Set up a GPO where the OU users will see how this script runs while they log on. Do the same practice with the startup/shutdown option on computer -> Policies -> Windows Settings.

d) We are going to change different computer policies:

- Configure Automatic Updates : Select option 4 and set the schedule to every Friday at 12:00 pm.

e) We are going to change different user policies:

- Set the documents redirection to a share folder on the server.

3. Checking Inheritance and enforcement.

We are going to create 2 new OU "Level1_OU" and "Level2_OU", the second one must be inside the first one.

- Level1_OU

- Level2_OU

We are going to set the same policy for both OU, Desktop Wallpaper. You have to create two jpg files for both wallpapers.

Log on with OU users and check out how inheritance and enforcement works. Be aware of update both policies and in the client also to activate policies results.

4. File services. We are going to create a share folder with subfolders, each one per user, we are only going to manage permissions. Use the network share create policy to set the folder but you can manage permissions directly in the server. Each user will be only granted to his folder. We also will create an exchange folder where all the users will have permission to get in.

5. Adding a new AD Server to our domain.

We have to add a new server to our existing domain. We need another Windows Server and we have to install AD DS Role, adding in it to an existing forest.

Once is set, we have to check out that is working out. We have to be able to log in our users in the domain.

a) Add a new user "test10" to the domain from the new server. Try to log in.

b) Disconnect the first server and try to log in with test10.

c) Disconnect both servers and try to log in with test10.

6. Restoring AD DS Role.

We have to restore our domain in a new server. We have to report all the steps taken to do all the activity. Where are the files to restore, what do we need to restore a domain.