



POLYTECHNIC UNIVERSITY OF THE PHILIPPINES
COLLEGE OF ENGINEERING
DEPARTMENT OF COMPUTER ENGINEERING



COEN3423

(Computer Systems Administration)

EXERCISE

1

Grade

Domain Controller

Student's Name & Signature

Block

Date

Professor

I. OBJECTIVES:

At the end of this exercise, students must be able to:

- a) Understand how to set-up domain controller using *dcpromo* command or Server Manager;
- b) Perform adding server role as Domain Controller;
- c) Set-up Domain Controller as DNS Server;
- d) Determine how the database, log files and SYSVOL are created.

II. BACKGROUND INFORMATION:

Managing users, computers, applications, and network devices can seem like a never-ending process. As a result, you need to be organized, especially when it comes to some of the most fundamental yet tedious task you perform every day.

Microsoft's Active Directory is designed to store information about all of the objects within your network environment, including hardware, software, network devices, and users. Furthermore, its is designed to increase capabilities while it decreases administration through the use of a hierarchical structure that mirrors a business' logical organization.

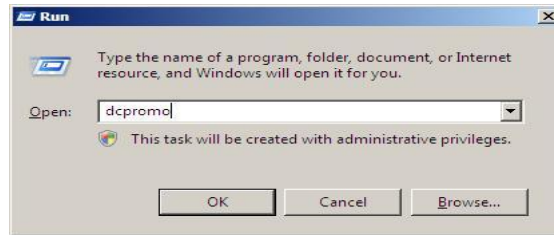
Prior to installation of Active Directory, a great deal of planning and training is required to properly implement its many features. The problem is that it doesn't make much sense to begin implementing Active Directory until you understand the terms, concepts and goals behind it.

In this lab activity, you will add the Active Directory Domain Services role using the Server Manager as you take the first step in managing your network. You will also setup the Domain controller as the DNS Server. Finally, you will verify the six new Administrative Roles after the installation process.

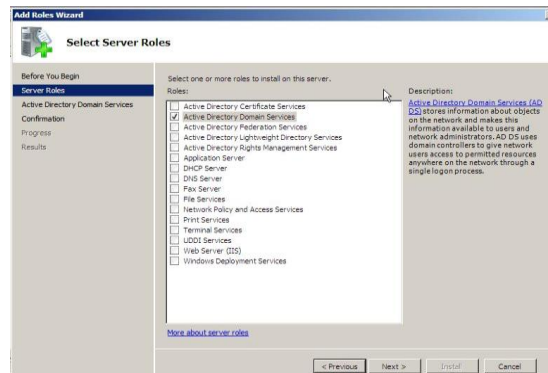
III. LABORATORY ACTIVITY:

1. Make sure Network OS and Local OS are already installed.
2. The server configuration:
 - a. Hostname: (Combination of two letters of surname of partners.)
<SERVER**PAOC**>
 - b. IP Address: 192.168.**X**.254 (X is the section)
 - c. Subnet Mask: 255.255.255.0
 - d. User: *Administrator*
 - e. Password: *P@ssw0rd*
3. The client configuration:
 - a. Hostname: (Combination of two letters of surname of partners.)
<CLIENT**PAOC**>
 - b. IP Address: 192.168.**X**.100 (X is the section)
 - c. Subnet Mask: 255.255.255.0
 - d. User: *clientpaoc*
 - e. Password: *P@ssw0rd*

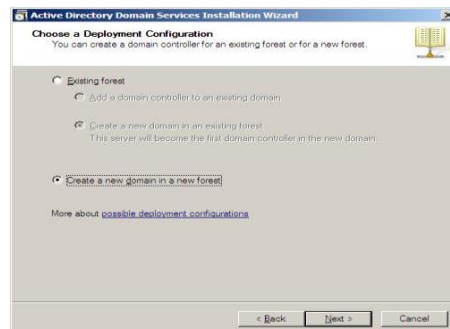
4. At server, run *dcpromo* using the run window or:



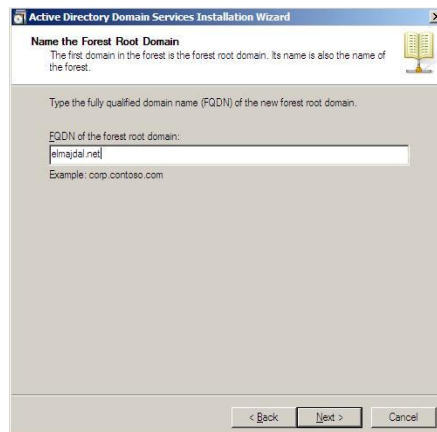
Click the *Server Roles*, select *Active Directory Domain Service* and click *Next*.



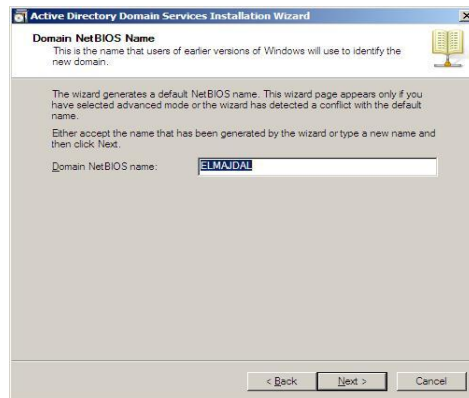
5. Choose Create a *New Domain in a new forest*, then click *Next*.



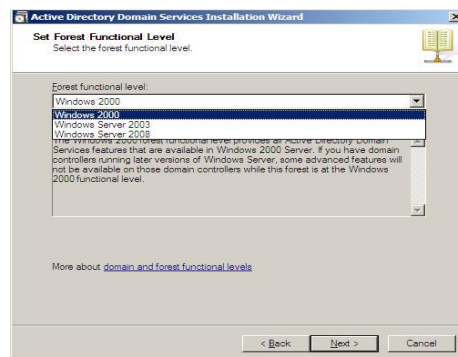
6. Enter the Fully Qualified Domain Name of the root domain (PAJAOCLI.EDU), the combination of four letters of surname of partners, then click *Next*.



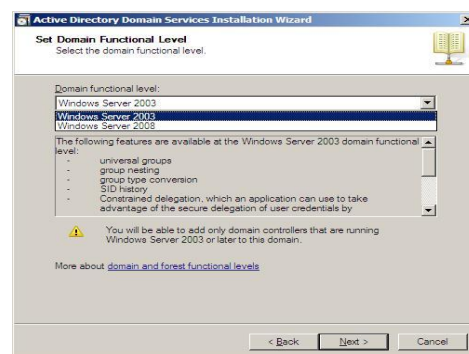
7. Accept the default NetBIOS name then click *Next*.



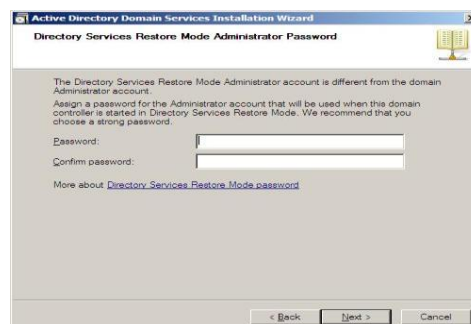
8. Select the Forest Functional Level (*Windows Server 2008*) then click *Next*.



9. Select the Domain Functional Level (*Windows Server 2008*) then click *Next*.



10. Enter Restore Password (*P@ssw0rd*) then click *Next*.



11. It will restart and check if the following will appear at Administrative Tools.

- Active Directory Domains and Trusts
- Active Directory Sites and Services
- Active Directory Users and Computers
- ADSI Edit
- DNS
- Group Policy Management



12. To check the configuration, issue the command at command prompt: ***ipconfig /all***

13. To check the connectivity, at the client, issue the command: ***ping <IP.SERVER>***.
It should have a reply.