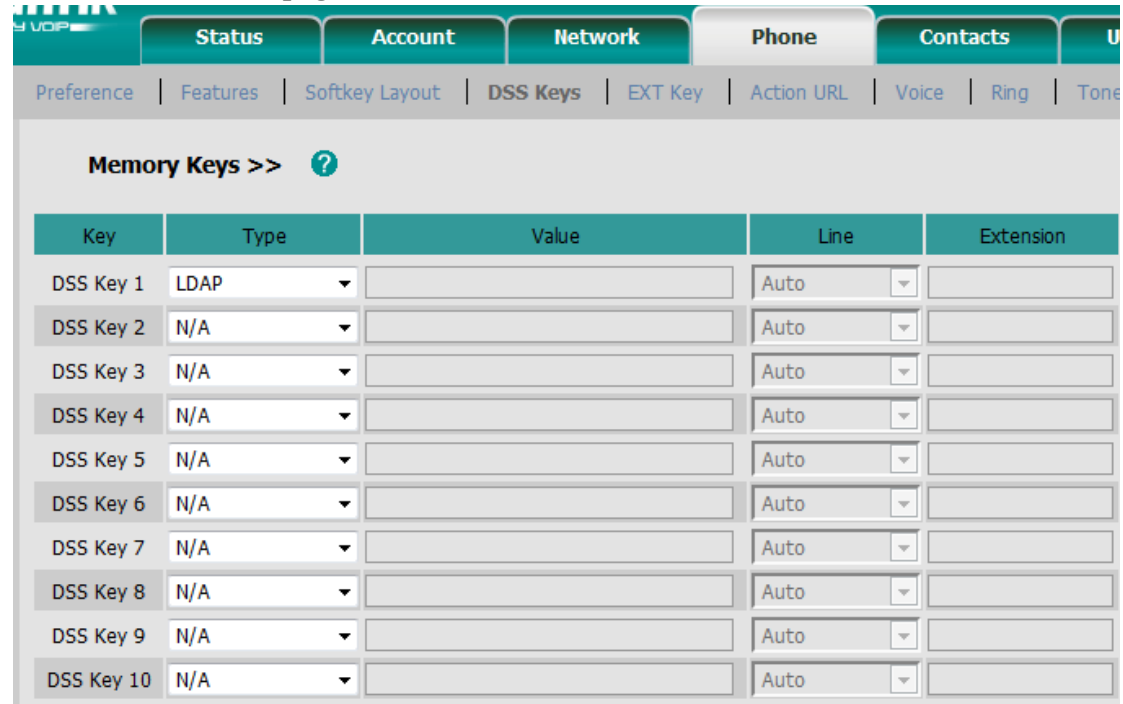


# Instruction on Yealink LDAP and Microsoft Active Directory

## Phone Configuration:

Login the WEB interface of the phone using **admin** as user ID and password.

Choose Phone-Dss Keys, then choose one of them and set it as LDAP, then confirm it at the bottom of this page.



The screenshot shows the Yealink phone web interface. At the top, there are tabs for 'Status', 'Account', 'Network', 'Phone', and 'Contacts'. Below these, there is a sub-menu with 'Preference', 'Features', 'Softkey Layout', 'DSS Keys', 'EXT Key', 'Action URL', 'Voice', 'Ring', and 'Tone'. The 'DSS Keys' tab is selected, showing a 'Memory Keys >>' section with a help icon. Below this is a table with 5 columns: 'Key', 'Type', 'Value', 'Line', and 'Extension'. The table contains 10 rows, each for a 'DSS Key' from 1 to 10. The 'Type' column has a dropdown menu, and the 'Line' column has a dropdown menu set to 'Auto'. The 'Value' and 'Extension' columns are empty text boxes.

Key	Type	Value	Line	Extension
DSS Key 1	LDAP		Auto	
DSS Key 2	N/A		Auto	
DSS Key 3	N/A		Auto	
DSS Key 4	N/A		Auto	
DSS Key 5	N/A		Auto	
DSS Key 6	N/A		Auto	
DSS Key 7	N/A		Auto	
DSS Key 8	N/A		Auto	
DSS Key 9	N/A		Auto	
DSS Key 10	N/A		Auto	

Then choose Contacts-LDAP, and configure it as below.

Field	Value	Help
LDAP Name Filter	<code>( (givenName=%)(sn=%))</code>	?
LDAP Number Filter	<code>( (telephoneNumber=%)(mobile=%))</code>	?
Server Address	x.x.x.x	?
Port	389	?
Base	dc=test,dc=com	?
UserName	xxxx@test.com	?
Password	•••••	?
Max. Hits(1~32000)	50	?
LDAP Name Attributes	givenName sn cn	?
LDAP Number Attributes	telephoneNumber mobile	?
LDAP Display Name	%sn %givenName %cn	?
Protocol	Version3	?
Search Delay(ms)(0~2000)	0	?
LDAP Lookup For Incoming Call	Enabled	?
LDAP Sorting Results	Enabled	?
LDAP Lookup For PreDial/Dial	Enabled	?

Confirm Cancel

LDAP name filter: `(|(givenName=%)(sn=%))`

LDAP number filter: `(|(telephoneNumber=%)(mobile=%))`

Server Address: x.x.x.x (The Active Directory Server IP address)

Port: 389

Base: dc=test,dc=com

Username: [xxx@test.com](mailto:xxx@test.com) (It must be one the users of the AD)

Password: 123456

Max Hits: 50

LDAP name attributes: givenName sn cn

LDAP number attributes: telephoneNumber mobile

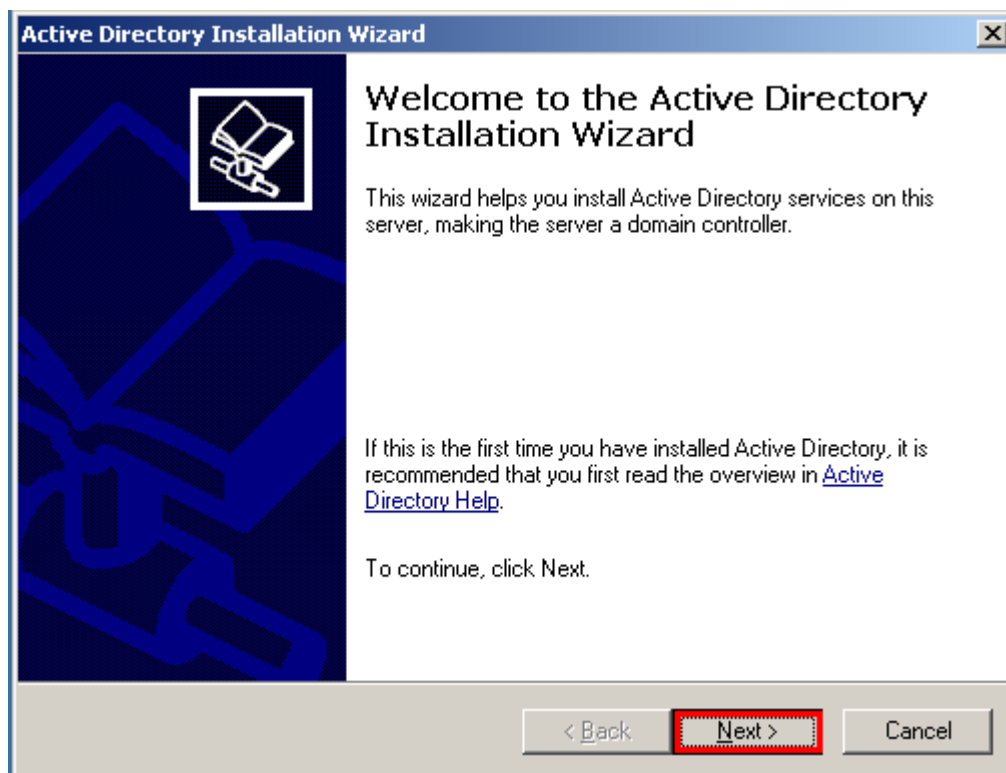
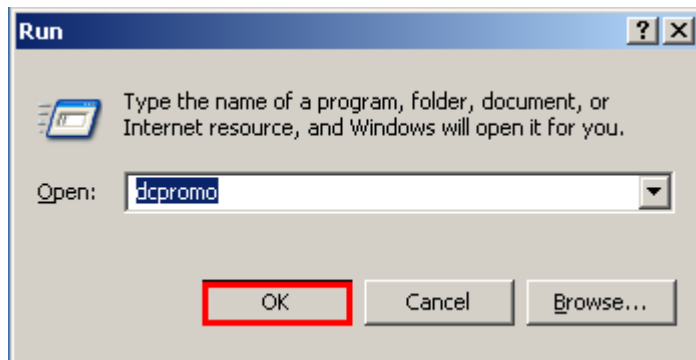
LDAP display: %sn %givenName %cn

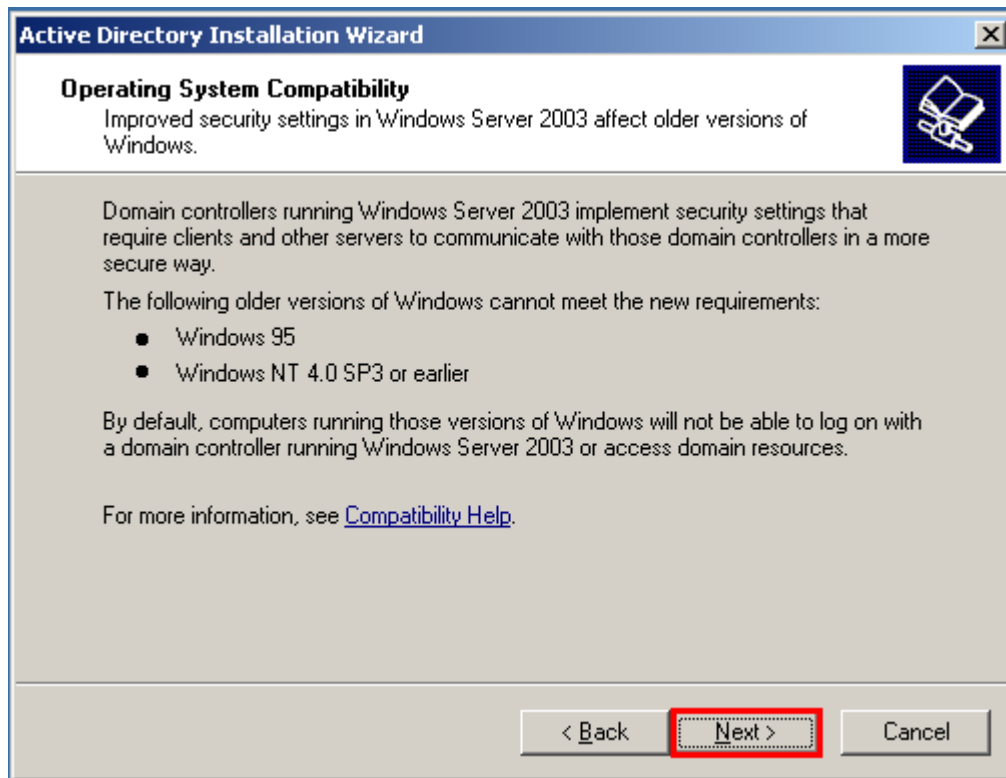
When the configuration is done, press the corresponding DSS key, the LDAP interface will pop up, you can input numbers or digits to search the user information in the Active Directory.

AD installation:

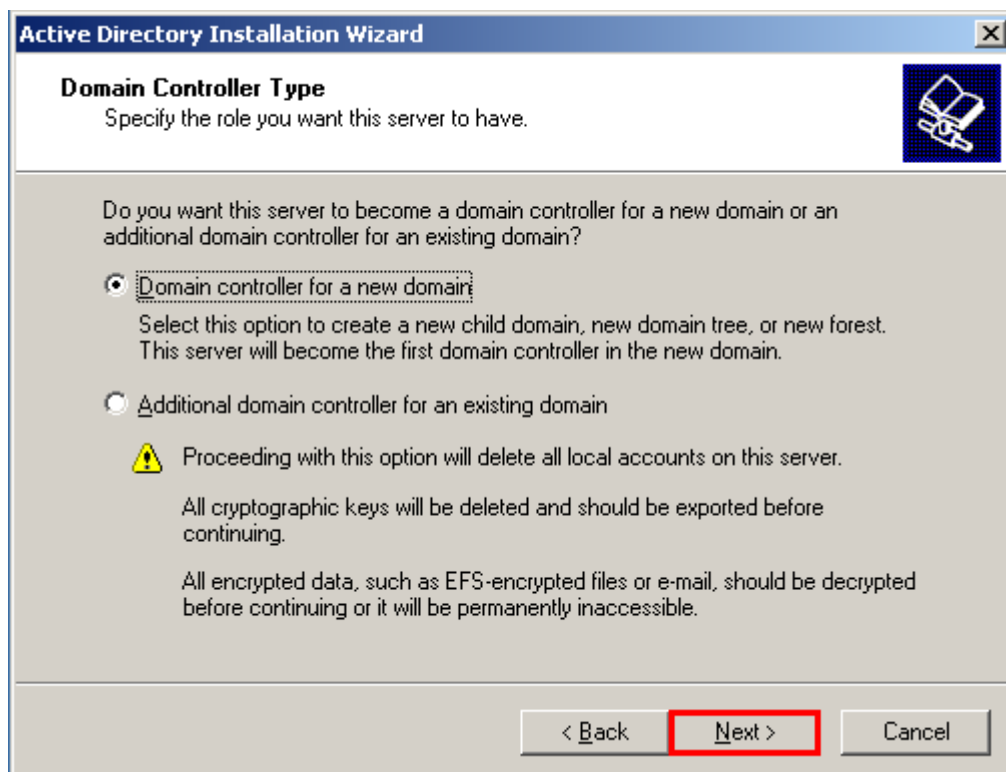
### 1.1.1 Install Windows 2003 Server AD (Active Directory)

Click **Start---Run** on Windows 2003 Server, type in 'dcpromo', then press 'OK', then you will start the "Active Directory Installation Wizard".

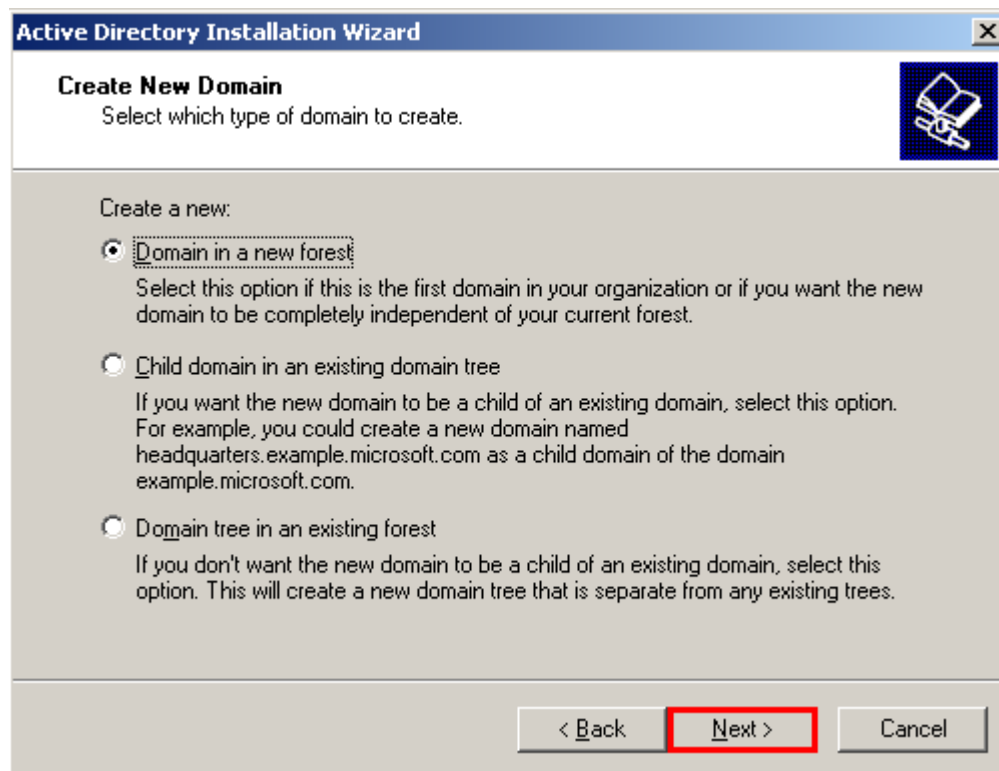




In the following Picture, please choose “Domain controller for a new Domain”, this server will become the first domain controller in the new domain.



In the following picture, choose “Domain in a new forest”.



The screenshot shows the 'Active Directory Installation Wizard' window, specifically the 'Create New Domain' step. The title bar reads 'Active Directory Installation Wizard'. Below the title bar, the section is titled 'Create New Domain' with the instruction 'Select which type of domain to create.' There are three radio button options: 'Domain in a new forest' (which is selected), 'Child domain in an existing domain tree', and 'Domain tree in an existing forest'. Each option has a descriptive paragraph. At the bottom, there are three buttons: '< Back', 'Next >' (highlighted with a red rectangle), and 'Cancel'.

**Active Directory Installation Wizard**

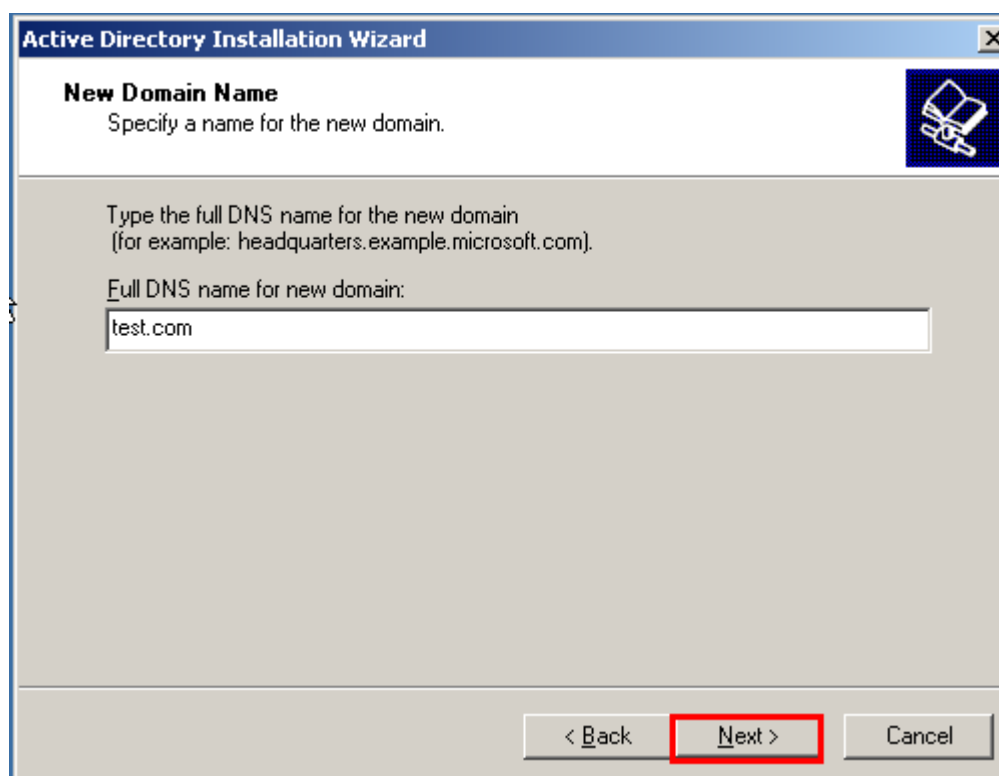
**Create New Domain**  
Select which type of domain to create.

Create a new:

- ☒ **Domain in a new forest**  
Select this option if this is the first domain in your organization or if you want the new domain to be completely independent of your current forest.
- ☐ **Child domain in an existing domain tree**  
If you want the new domain to be a child of an existing domain, select this option. For example, you could create a new domain named `headquarters.example.microsoft.com` as a child domain of the domain `example.microsoft.com`.
- ☐ **Domain tree in an existing forest**  
If you don't want the new domain to be a child of an existing domain, select this option. This will create a new domain tree that is separate from any existing trees.

< Back   **Next >**   Cancel

In the following picture, fill in “test.com” as the name for new domain.



The screenshot shows the 'Active Directory Installation Wizard' window, specifically the 'New Domain Name' step. The title bar reads 'Active Directory Installation Wizard'. Below the title bar, the section is titled 'New Domain Name' with the instruction 'Specify a name for the new domain.' There is a text box labeled 'Full DNS name for new domain:' containing the text 'test.com'. At the bottom, there are three buttons: '< Back', 'Next >' (highlighted with a red rectangle), and 'Cancel'.

**Active Directory Installation Wizard**

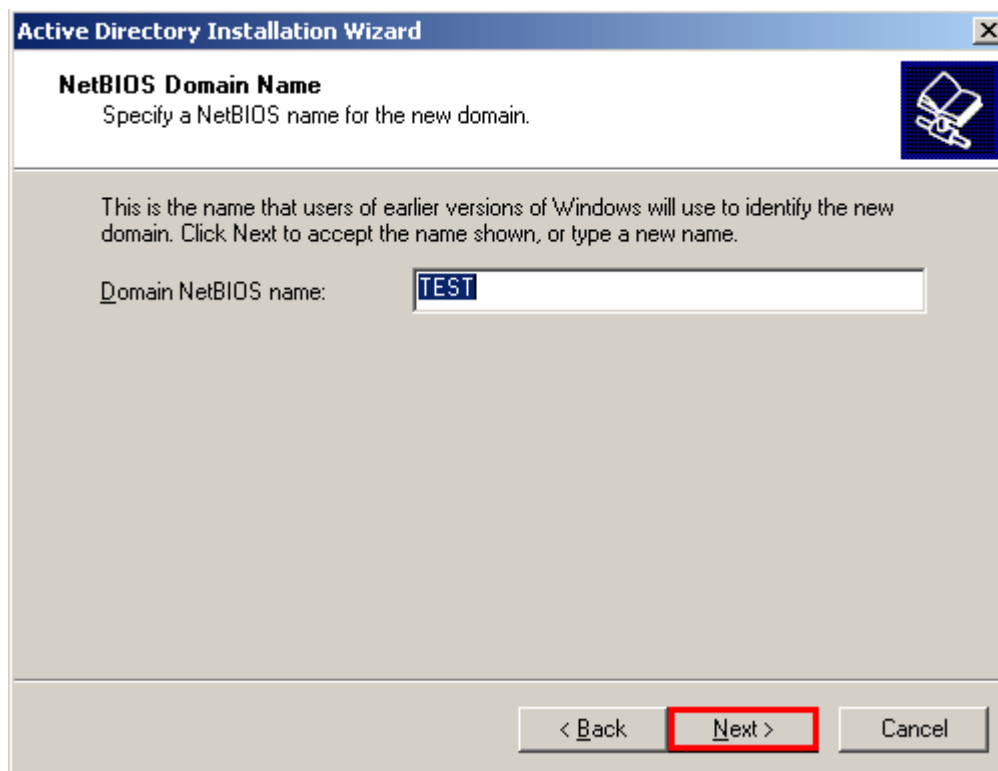
**New Domain Name**  
Specify a name for the new domain.

Type the full DNS name for the new domain  
(for example: `headquarters.example.microsoft.com`).

Full DNS name for new domain:  
test.com

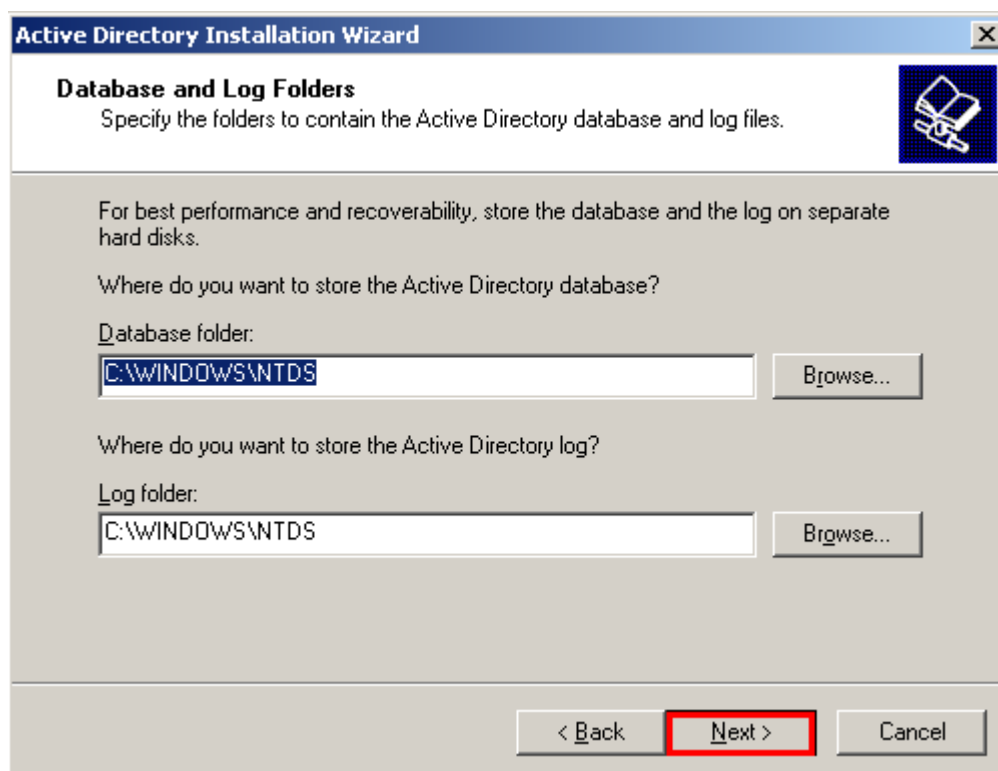
< Back   **Next >**   Cancel

In the following picture, set the domain name for NetBIOS, the default is TEST here.



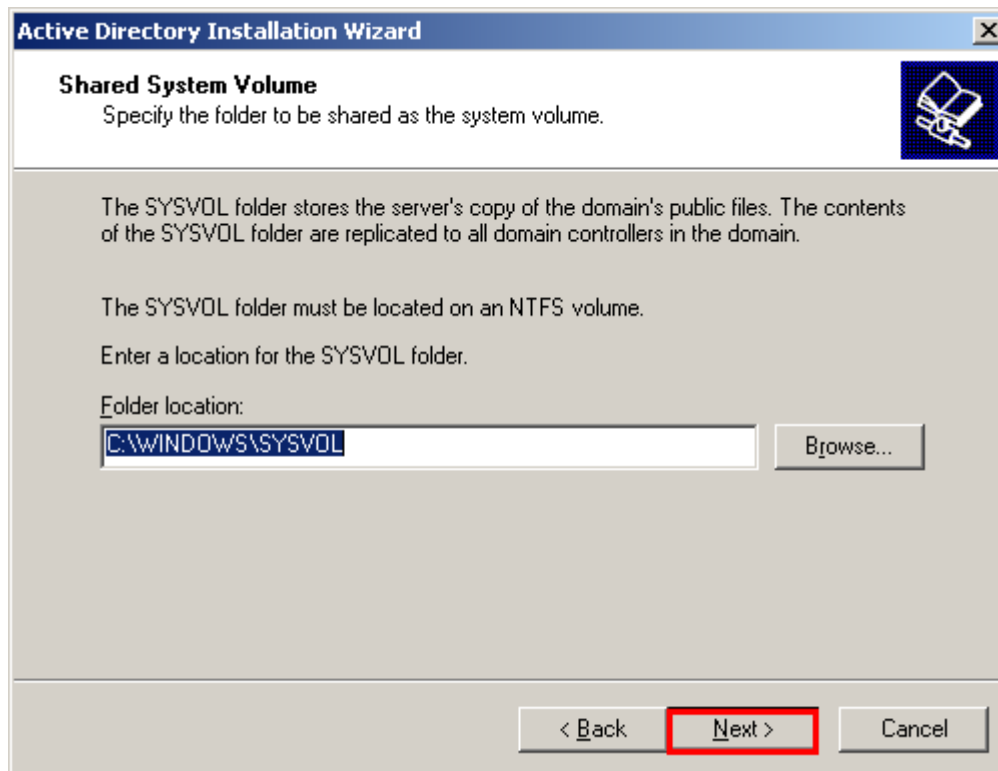
The screenshot shows the 'Active Directory Installation Wizard' window. The title bar reads 'Active Directory Installation Wizard'. The main heading is 'NetBIOS Domain Name' with a sub-instruction 'Specify a NetBIOS name for the new domain.' Below this, a text box contains 'TEST'. A paragraph explains: 'This is the name that users of earlier versions of Windows will use to identify the new domain. Click Next to accept the name shown, or type a new name.' At the bottom, there are three buttons: '< Back', 'Next >' (highlighted with a red rectangle), and 'Cancel'.

In the following picture, set Database folder and Log folder, accept the default setting will be OK.

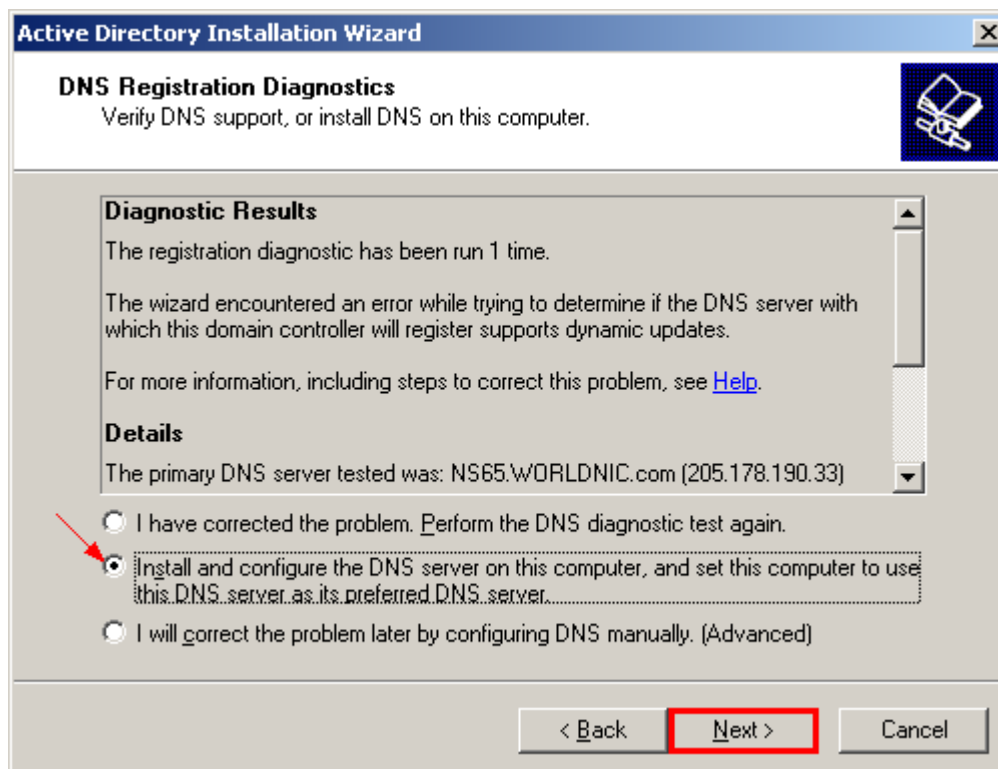


The screenshot shows the 'Active Directory Installation Wizard' window. The title bar reads 'Active Directory Installation Wizard'. The main heading is 'Database and Log Folders' with a sub-instruction 'Specify the folders to contain the Active Directory database and log files.' Below this, a paragraph explains: 'For best performance and recoverability, store the database and the log on separate hard disks.' The question 'Where do you want to store the Active Directory database?' is followed by a text box containing 'C:\WINDOWS\NTDS' and a 'Browse...' button. The question 'Where do you want to store the Active Directory log?' is followed by a text box containing 'C:\WINDOWS\NTDS' and a 'Browse...' button. At the bottom, there are three buttons: '< Back', 'Next >' (highlighted with a red rectangle), and 'Cancel'.

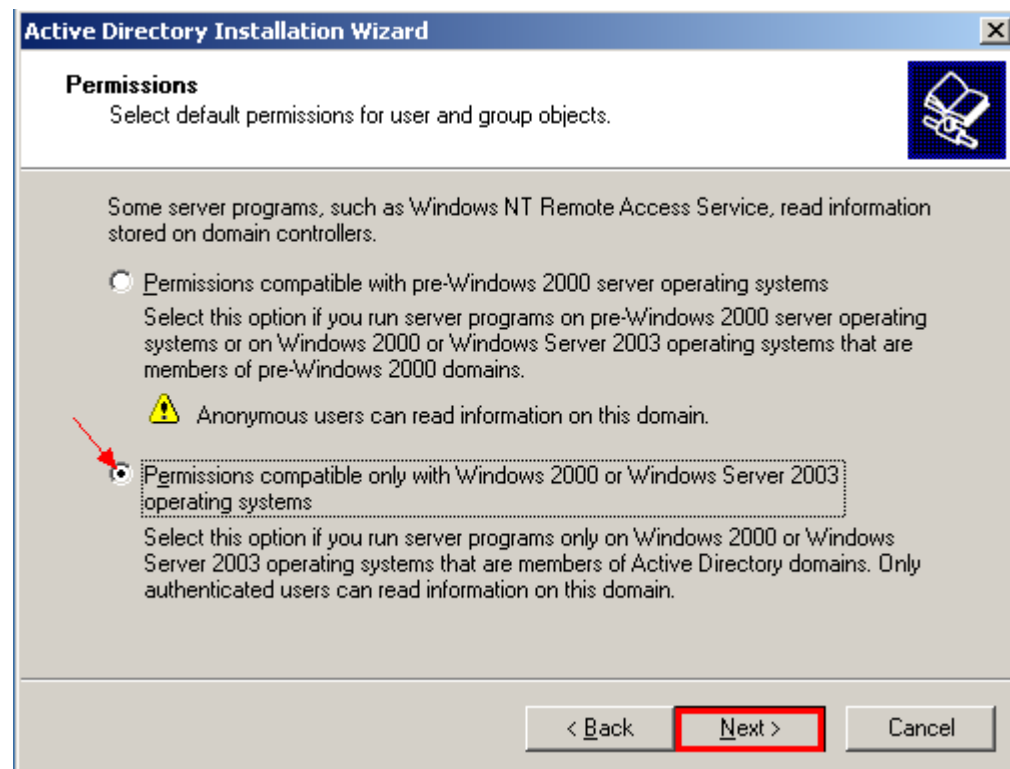
In the following picture, set the shared System Volume, the default setting will be OK.



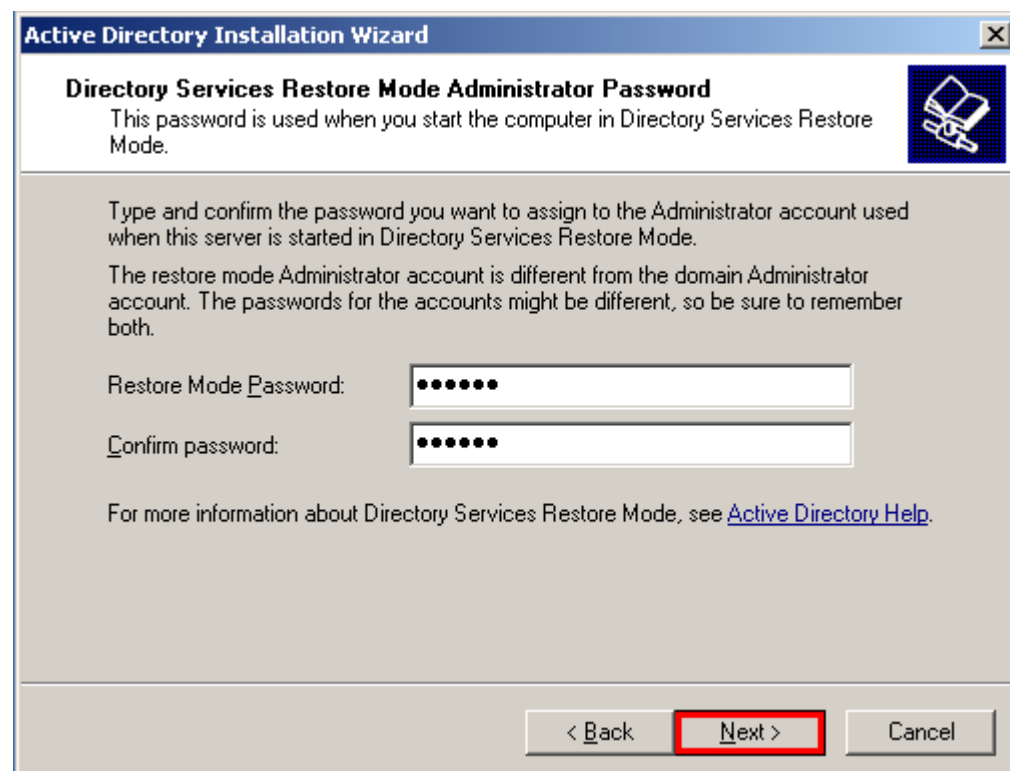
In the following picture is DNS registration Diagnostics, as the DNS is not installed, so it displays failed, please choose “Install and configure the DNS server on this computer, and set this computer to use this DNS server as its preferred DNS server”.



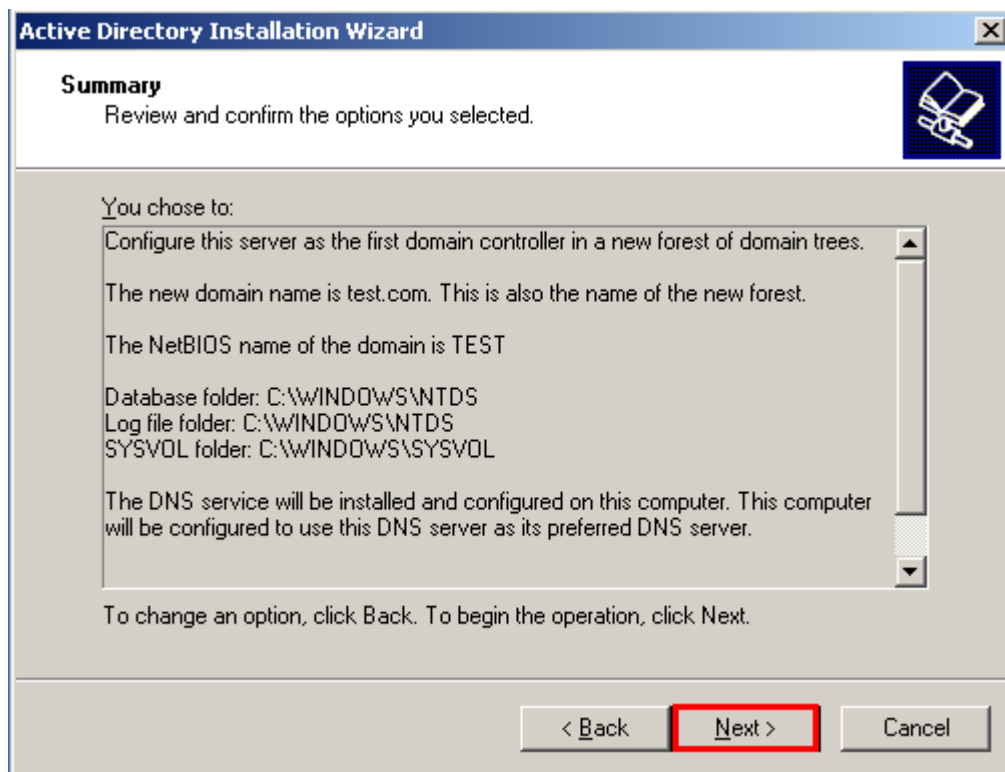
In the following picture, choose the permissions for user and group objects, here we choose the default setting.



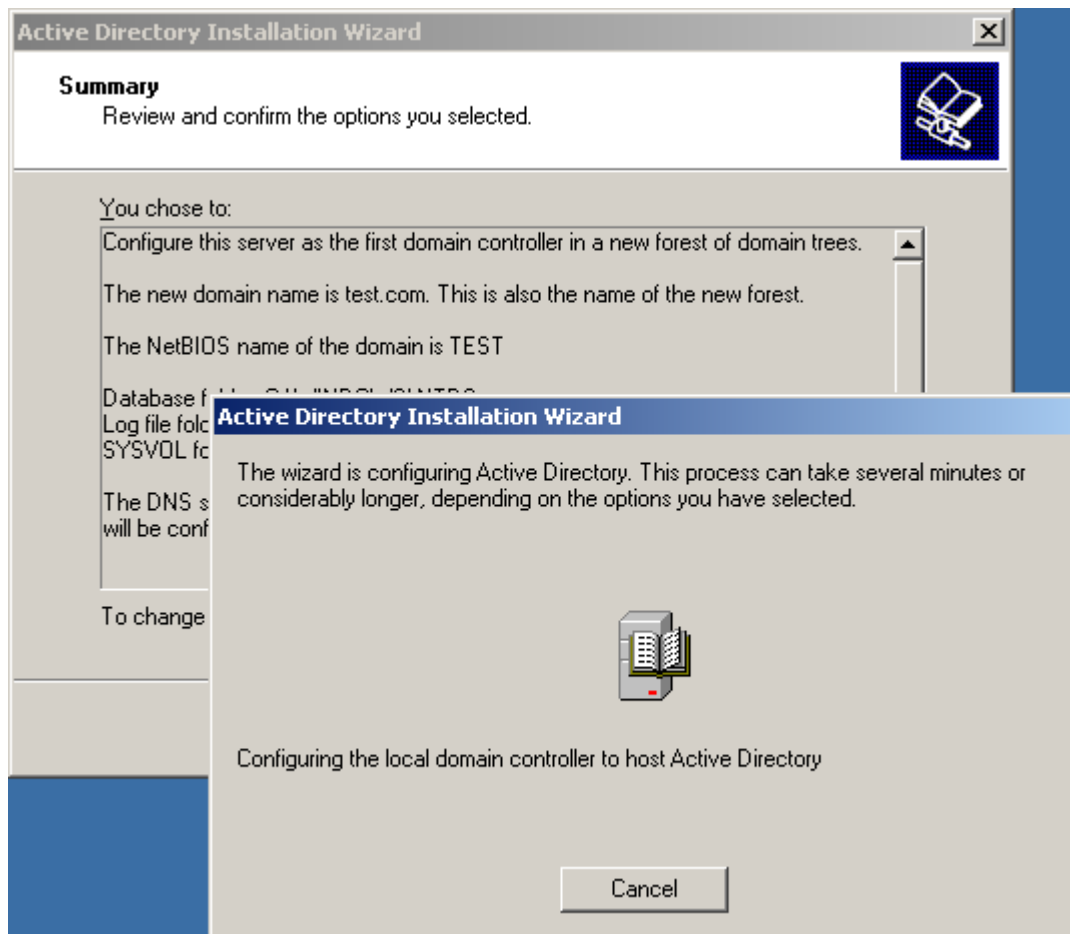
In the following picture, set the Restore Mode Password, for example set is as 123456.



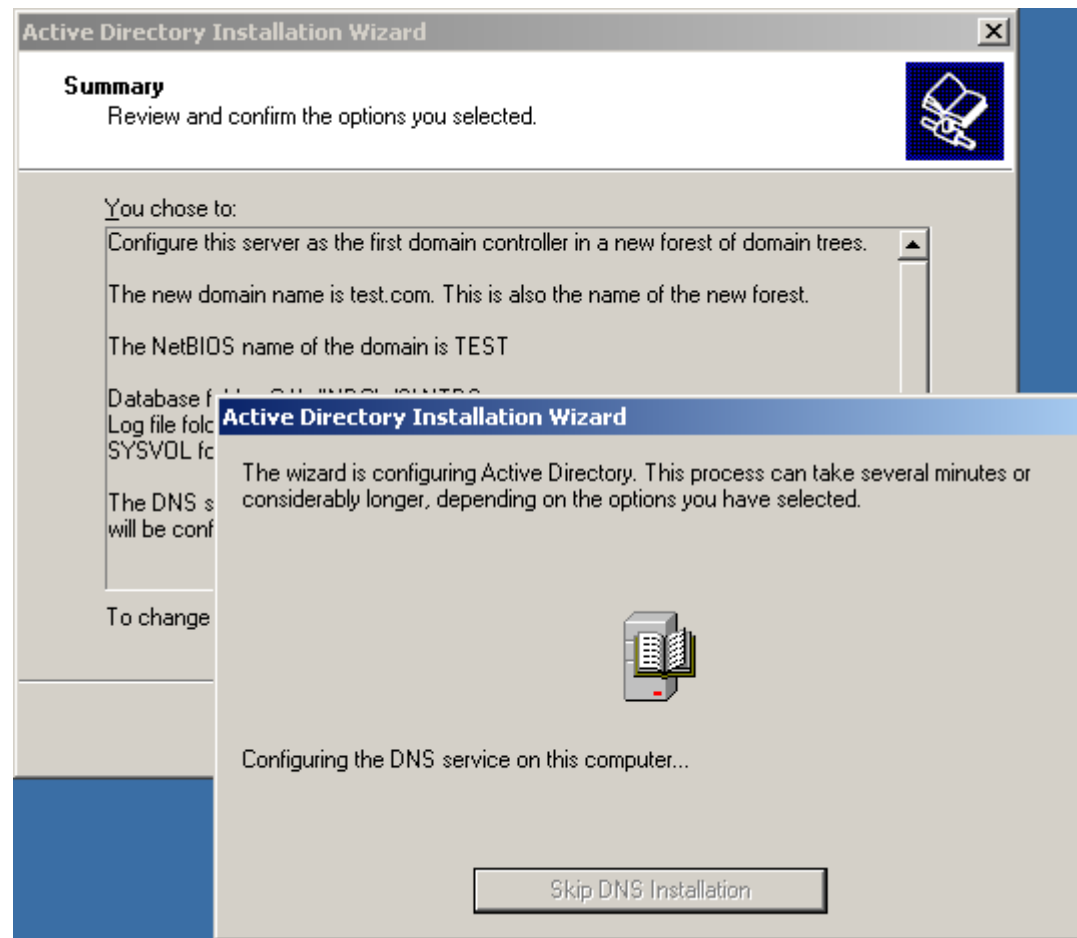




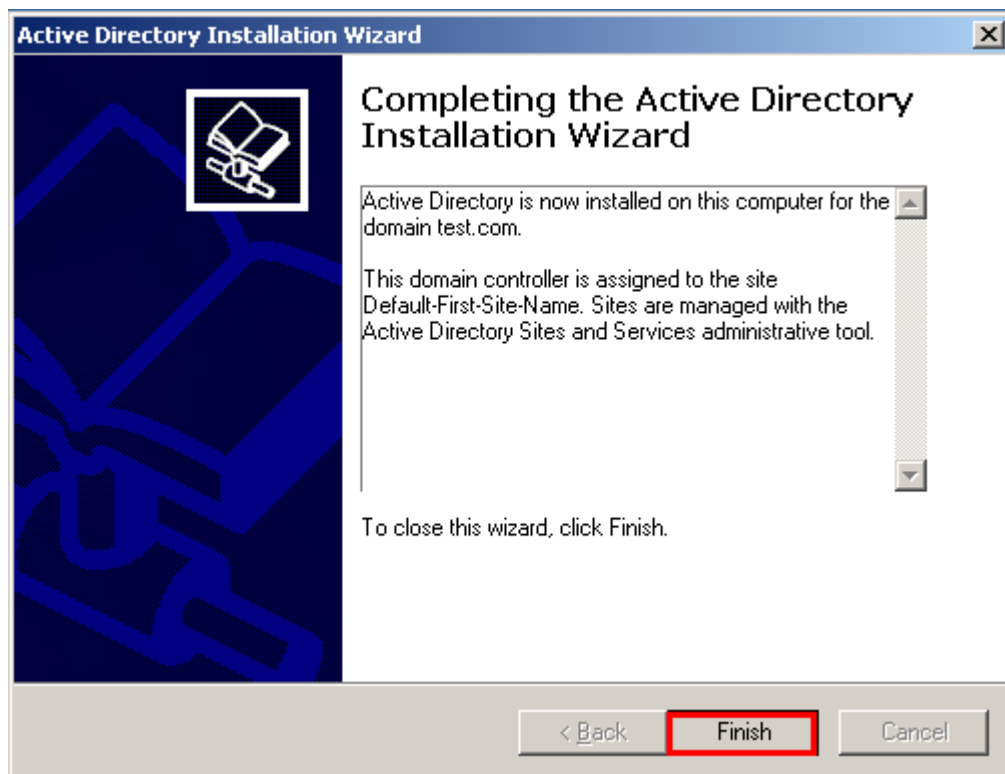
In the following picture, it shows that the installation begins.



In the following picture, you can skip the DNS installation.

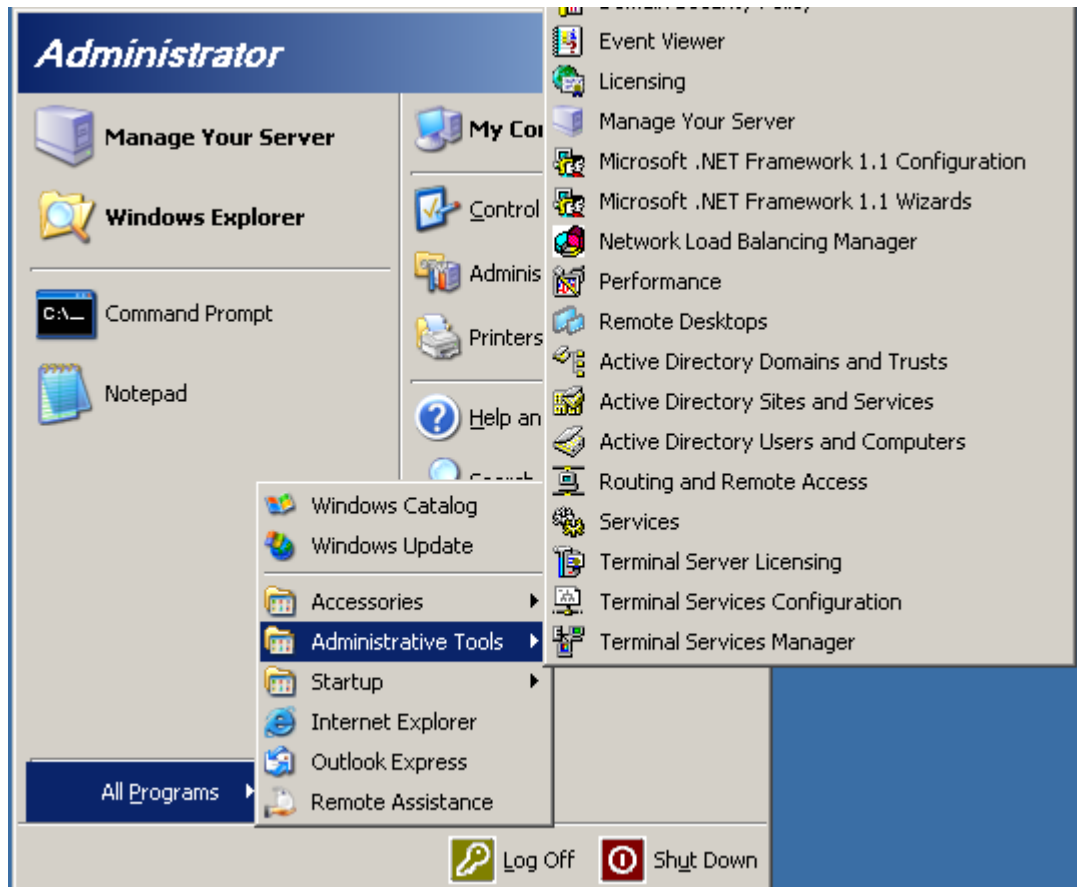


In the following picture, it shows that the installation is finished, click finish, it will ask you to restart the computer, please choose restart.

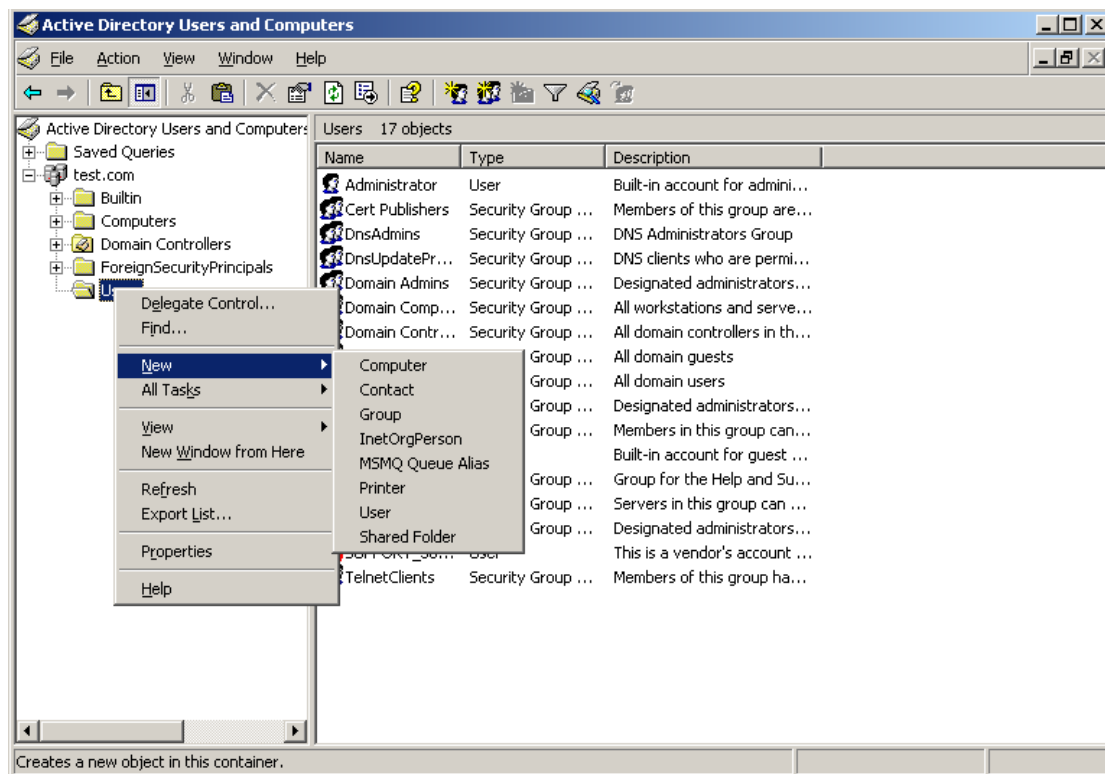


## 1.1.2 Create account for Domain Users

In the following picture, choose All Programs, then Administrative Tools, then Active Directory Users and Computers.



In the following picture, right click user, choose New, then user.



In the following picture, create an account and its logon name is *billnie*.

The screenshot shows the 'New Object - User' dialog box. The 'Create in' field is set to 'test.com/Users'. The 'First name' field contains 'bill', the 'Last name' field contains 'nie', and the 'Full name' field contains 'billnie'. The 'User logon name' field contains 'billnie' and the domain dropdown is set to '@test.com'. The 'User logon name (pre-Windows 2000)' field contains 'TEST\billnie'. The 'Next >' button is highlighted with a red box.

Create in: test.com/Users

First name: bill Initials:

Last name: nie

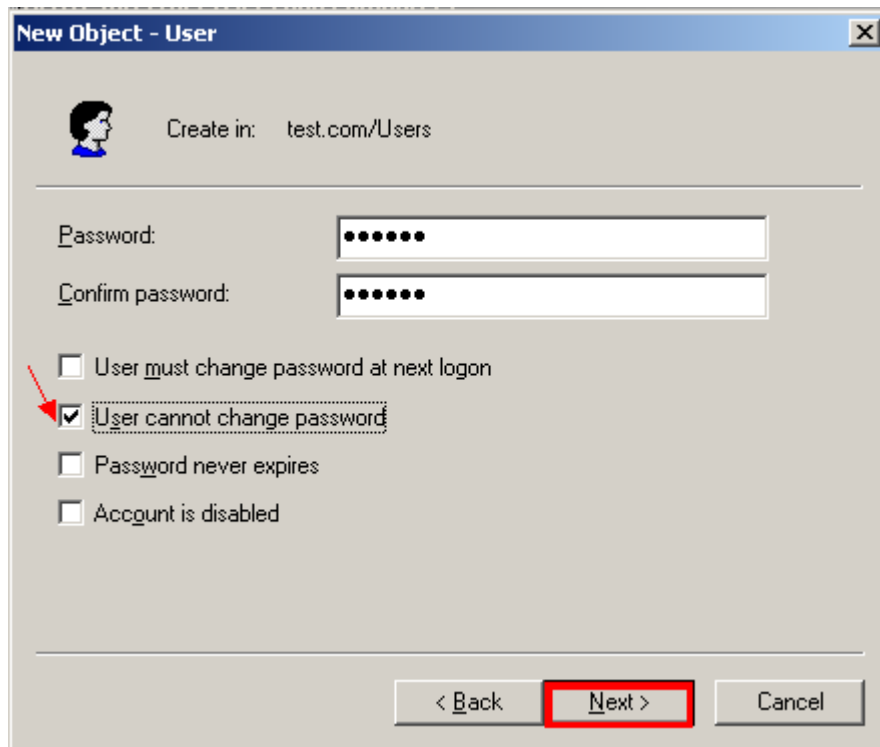
Full name: billnie

User logon name: billnie @test.com

User logon name (pre-Windows 2000): TEST\billnie

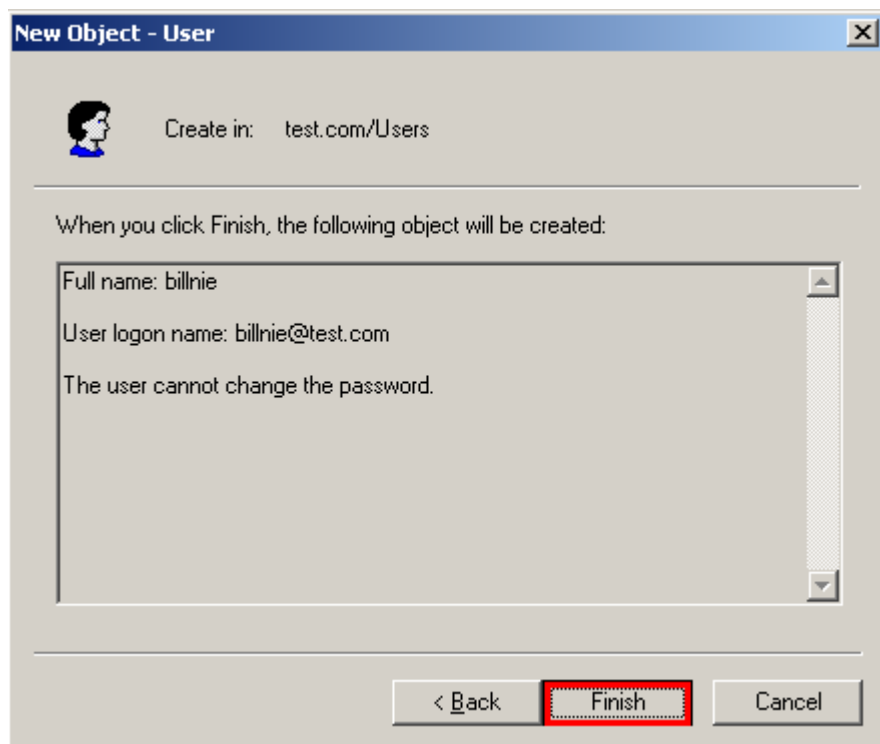
< Back Next > Cancel

In the following picture, create the password for the new user, and choose user cannot change password. The password for example can be yealink-2011.



The image shows a 'New Object - User' dialog box. At the top, it says 'Create in: test.com/Users'. Below this are two password fields: 'Password:' and 'Confirm password:', both containing seven dots. There are four checkboxes: 'User must change password at next logon' (unchecked), 'User cannot change password' (checked, with a red arrow pointing to it), 'Password never expires' (unchecked), and 'Account is disabled' (unchecked). At the bottom are three buttons: '< Back', 'Next >' (highlighted with a red box), and 'Cancel'.

The user is created, then you can double click user billnie, you can set the contact number.



The image shows the same 'New Object - User' dialog box, but now it displays a summary of the created user. The text 'When you click Finish, the following object will be created:' is followed by a list box containing: 'Full name: billnie', 'User login name: billnie@test.com', and 'The user cannot change the password.' At the bottom are three buttons: '< Back', 'Finish' (highlighted with a red box), and 'Cancel'.

In the following picture you can create contact now, please choose New, then Contact. When the contact is created, double click the contact to add numbers.

