<u>BAB 3</u> ACTIVE DIRECTORY

Active Directory adalah directory service yang menyimpan konfigurasi jaringan baik user, group, komputer, hardware, serta berbagai policy keamanan dalam satu database terpusat. Peranan Active irectory dalam jaringan dapat diumpamakan sebagai buku telepon, yang menyimpan daftar alamat dalam informasi penting untuk mengenali berbagai obyek dalam jaringan.

INSTALASI ACTIVE DIRECTORY

Langkah-langkah untuk menginstalasi Active Directory adalah :

1. Klik shortcut yang ada di Start \rightarrow Program \rightarrow Administrative Tools \rightarrow Configure Your Network yang akan memunculkan layar seperti di bawah ini.



2. Klik pilihan Active Directory sehingga muncul layar seperti di bawah ini



Kemudian cari link Start, kemudian link tersebut diklik.

3. Tekan tombol Next pada layar di bawah ini untuk memulai instalasi active directory..

| Active Directory Installation | Wizard | X |
|-------------------------------|---|---|
| | Welcome to the Active Directory Installation Wizard This wizard helps you install Active Directory services on this server, making the server a domain controller. | |
| | To continue, click Next. | |
| | < Back Next > Cancel | |

4. Pilih *Domain Controller for a new domain* jika anda ingin membuat domain controller untuk domain yang baru, kemudian klik tombol **Next**..



5. Pilih *Create a new domain tree* jika ingin membuat domain baru yang bukan merupakan merupakan child dari domain lain. Klik tombol **Next** untuk melanjutkan proses.

| Active Directory Installation Wizard | × |
|---|-----|
| Create Tree or Child Domain You can create a new domain tree or a new child domain. | X |
| Do you want to create a new domain tree or a new child domain in an existing domain tree? | |
| Create a new domain tree | |
| 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. | |
| You can then choose to place the new domain tree in an existing forest, or create a new forest. | |
| C Create a new 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. | |
| | |
| < <u>B</u> ack <u>N</u> ext > Can | cel |

6. Pilih *Create a new forest of domain tree* jika anda ingin membuat forest baru atau jika anda ingin membuat domain tree yang independen, kemudian klik tombol next.

| ive Dir | ectory Installation Wizard |
|-------------|---|
| Creat Sp | e or Join Forest pecify the location of the new domain. |
| Do | pyou want to create a new forest or join an existing forest? |
| œ | Create a new forest of domain trees |
| | Select this option if this is the first domain in your organization, or if you want the new domain tree you are creating to be completely independent of your current forest. |
| С | Place this new domain tree in an existing forest |
| | Select this option if you want the users in the new domain tree to have access to resources in existing domain trees, and vice versa. |
| | |
| | |
| | |
| | |
| | < Back Next > Cancel |
| | |

Catatan : Forest, Tree, dan Domain adalah terminologi yang digunakan dalam konsep jaringan Windows 2000 untuk mengidentifikasi kesatuan organisasi jaringan. Domain merupakan kesatuan terkecil dari sebuah jaringan. Beberapa Domain dapat bergabung membentuk Tree dan gabungan dari beberapa Tree disebut Forest.

7. Langkah berikutnya adalah dengan mengisi domain yang ingin digunakan. Anda dapat menggunakan Domain yang sudah terdaftar resmi, atau domain fiktif dengan nama tertentu yang dikehendaki. Apabila anda akan mempublish jaringan ke internet, sebaiknya digunakan nama Domain yang telah terdaftar. Contoh dalam kasus ini adalah : alica.com. Kemudian tekan tombol Next.

| Active Directory Installation Wizard | | × |
|---|---|----------|
| New Domain Name Specify a name for the new domain. | | S |
| Type the full DNS name for the new domain | n. | |
| If your organization already has a DNS dom authority, you can use that name. | nain name registered with an Internet i | naming |
| Eull DNS name for new domain: | | |
| alica.com | | |
| | | |
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| | | |
| | | |
| | < <u>B</u> ack <u>N</u> ext > | Cancel |

 Langkah selanjutnya adalah menentukan NETBIOS Name untuk domain yang telah dibuat sebelumnya. Hal ini digunakan untuk mendukung Sistem Operasi sebelum Windows 2000 seperti Windows 98 dan Windows NT yang menggunakan fasilitas NETBIOS untuk meresolve (mencari/mengubah) nama host di jaringan.

| Active Directory Installation Wizard | × |
|---|----------|
| NetBIOS Domain Name Specify a NetBIOS name for the new domain. | X |
| 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. | |
| Domain NetBIOS name: | |
| | |
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| | |
| < <u>B</u> ack <u>N</u> ext> Can | cel |

9. Berikutnya adalah menentukan lokasi penyimpanan data Active Directory seperti data log, system volume dan Active Directory. Partisi yang digunakan harus NTFS.

| tabase and Log Locations Specify the locations of the Active Directo | y database and log. | Ŕ |
|---|---|--|
| For best performance and recoverability, st hard disks. | ore the database and the k | og on separate |
| Where do you want to store the Active Dire | ectory database? | |
| Database location: | | , |
| F:\WINNT\NTDS | | Browse |
| Where do you want to store the Active Dire | ectory log? | |
| F:\WINNT\NTDS | | Browse |
| · | | |
| | | |
| | | |
| | | |
| | < <u>B</u> ack <u>N</u> ex | t> Cancel |
| | < <u>B</u> ack <u>N</u> ex | t> Cancel |
| | < <u>B</u> ack <u>N</u> ex | t> Cancel |
| Directory Installation Wizard | < <u>B</u> ack <u>N</u> ex | Cancel |
| Directory Installation Wizard ared System Volume Specify the folder to be shared as the syste | <u>≺B</u> ack <u>N</u> ex | Cancel |
| Directory Installation Wizard ared System Volume Specify the folder to be shared as the syste The Sysvol folder stores the server's copy the Sysvol folder are replicated to all doma | <u>A Back</u> <u>Next</u> em volume. of the domain's public files. n controllers in the domain. | t> Cancel X X The contents of |
| Directory Installation Wizard ared System Volume Specify the folder to be shared as the syste The Sysvol folder stores the server's copy the Sysvol folder are replicated to all doma The Sysvol folder must be located on an N | <u>A Back</u> <u>Next</u> em volume. of the domain's public files. n controllers in the domain. TFS 5.0 volume. | t> Cancel |
| Directory Installation Wizard ared System Volume Specify the folder to be shared as the syste The Sysvol folder stores the server's copy the Sysvol folder are replicated to all doma The Sysvol folder must be located on an N Enter a location for the Sysvol folder. | <u>A Back</u> <u>Next</u> em volume. of the domain's public files. n controllers in the domain. TFS 5.0 volume. | t> Cancel |
| Directory Installation Wizard ared System Volume Specify the folder to be shared as the syste The Sysvol folder stores the server's copy the Sysvol folder are replicated to all doma The Sysvol folder must be located on an N Enter a location for the Sysvol folder. Eolder location: | < <u>Back</u> <u>Nex</u> em volume. of the domain's public files. n controllers in the domain. TFS 5.0 volume. | Cancel Cancel The contents of |

10. Kemudian proses dilanjutkan dengan mengecek keberadaan DNS Server di dalam jaringan. Apabila DNS Server belum terinstall, maka DNS harus diinstall dulu. Dengan cara Start → Control Panel → Add/Remove Program → Add/Remove Windows Component → Networking Services → Klik pilihan Domain Name System (DNS) → Klik OK → Klik Next untuk melakukan proses instalasinya.

| i cringatan yang mancaraaan |
|-----------------------------|
|-----------------------------|

| 📲 Active | Directory Installation Wizard | < |
|----------|---|---|
| ٩ | The wizard cannot contact the DNS server that handles the name "alica.com" to determine if it supports dynamic update. Confirm your DNS configuration, or install and configure a DNS server on this computer. | |
| | OK] | |

11. Klik tombol OK pada dialog peringatan tersebut, kemudian akan muncul layar seperti di bawah ini. Kemudian pilih YES, dan tekan tombol **Next**.

| Active Directory Installation Wi | ard 🔀 |
|--|---|
| Configure DNS The wizard can configure DN | S for your new domain. |
| DNS is not available. Would, for your new domain? | ou like this wizard to install and configure a DNS server |
| Yes, install and configure | DNS on this computer (recommended) |
| C N <u>o</u> , I will install and confi | ure DNS myself |
| | < <u>B</u> ack <u>N</u> ext > Cancel |

12. Pilih *Permissions compatible with pre-Windows 2000 Server.* Kemudian tekan tombol **Next**.

| Active Directory Installation Wizard |
|--|
| Permissions Select default permissions for user and group objects. |
| Some server programs, such as Windows NT Remote Access Service, read information stored on domain controllers. |
| Permissions compatible with pre-Windows 2000 servers |
| Select this option if you run server programs on pre-Windows 2000 servers or on Windows 2000 servers that are members of pre-Windows 2000 domains. |
| ⚠ Anonymous users can read information on this domain. |
| C Permissions compatible only with Windows 2000 servers |
| Select this option if you run server programs only on Windows 2000 servers that are members of Windows 2000 domains. Only authenticated users can read information on this domain. |
| |
| < <u>B</u> ack <u>N</u> ext> Cancel |

13. Isilah password yang akan digunakan oleh account Administrator ketika komputer dijalankan dalam mode Directory Service Restore. Kemudian tekan tombol **Next**.

| Active Directory Installation Wizard | × |
|--|----------|
| Directory Services Restore Mode Administrator Password Specify an Administrator password to use when starting the computer in Directory Services Restore Mode. | X |
| Type and confirm the password you want to assign to this server's Administrator account, to be used when the computer is started in Directory Services Restore Mo | de. |
| Password: | |
| Confirm password: | |
| | |
| | |
| | |
| | |
| | |
| < <u>B</u> ack <u>N</u> ext> | Cancel |

14. Kemudian akan muncul layar yang memperlihatkan semua konfigurasi yang tadi telah dibuat. Jika ada yang tidak sesuai tekan tombol Back untuk melakukan perbaikan konfigurasi. Jika anda telah yakin semua configurasi telah benar, maka tekan tombol Next.

| Active Directory Installation Wizard | × |
|---|--------|
| Summary Review and confirm the options you selected. | |
| You chose to: | |
| Configure this server as the first domain controller in a new forest of domain trees. | |
| The new domain name is "alica.com". This is also the name of the new forest. | |
| The NetBIOS name of the domain is "ALICA" | |
| Database location: F:WVINNT\NTDS Log file location: F:WVINNT\NTDS Sysvol folder location: F:WVINNT\SYSVOL | |
| The DNS service will be installed and configured on this computer. | |
| Permissions compatible with pre-Windows 2000 servers will be used with this | |
| To change an option, click Back. To continue, click Next. | |
| < <u>B</u> ack <u>N</u> ext > | Cancel |

15. Kemudian akan muncul layar progress instalasi. Tunggu beberapa saat (mungkin lumayan lama) sampai semua proses telah selesai.



16. Jika semua proses telah selesai, maka akan muncul layar seperti di bawah ini. Tekan tombol **Finish** untuk menutupnya.



17. Klik Restart Now untuk merestart komputer.

| Active Directory Installation Wizard | × |
|---|---|
| Windows must be restarted before the changes made by the Active Directory Installation wizard take effect. | |
| | |