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| --- |
| **ABYSS Project** |
| Multi-disciplinary Project – 2006 IS1 v1.0 |
|  |
| It is the complete Installation step by step documentation for ActiveDirectory and Oracle. |
|  |
| **Groupe n ???** |
| **5/5/2007** |
|  |

**TODO *(pour ceux que ça intéresse)***

1. Terminer l’installation/configuration de Oracle (pour lundi).
2. Revoir la mise-en-page (même si j’ai essayé d’en faire un max au fur et à mesure) avec une vrai page de garde (celle-ci est un template de Word2007).

Kevin doit m’envoyer les fichiers Photoshop du design de l’application et je me baserai dessus pour faire un truc sympa.

1. Une relecture avec une anglophone de toute la doc pour l’orthographe/tournures de phrases (je m’en chargerai avec ma môman).
2. Et le blabla de présentation/introduction à étayer (si bien sur nous avons autre choses à dire).

Bon ba j’essaierai de commiter un max.

- skar -

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# Introduction

Welcome to the official documentation of Abyss Client. Abyss System thanks you for using this product and hope that your experience will be rewarding and constructive. This documentation explains in detail the installation of the architecture needed for a complete use of Abyss Client. If you have any questions and do not find your answer or for any recommendation, please report to the end of this document and contact us.

# About Abyss Client

Abyss Client is the all in one administrative application for industrial production server based on Windows 2003 Server R2 and Oracle Database 10g R1/R2.

If you have just acquiring Abyss Client and want to use it, follow the guide step by step to obtain an operational server with Active Directory and Oracle Database in function.

Abyss Client can be executed directly from your server or from a distant client (on the same local network of your server) who have administrative rights to connect on the server.

*[ bla bla bla ]*

# Windows Server 2003

## Installation

First at all you need a fresh new copy of Windows 2003 Server activate and up to date.

This documentation have been made with a copy of Windows 2003 Server Enterprise Edition and is certified working with it. It works too with Windows 2003 Server Standard Edition and Windows 2003 Server Datacenter edition (compatibility with Active Directory).

The installation of Windows 2003 Server is not detailed in this documentation. For further information, please report to your product guide or contact [Microsoft Support](http://support.microsoft.com). *D’une maniére générale* follow the default instructions. Indeed, Abyss Client doesn’t need any specific configurations and works with any languages.

Once *(une fois)* your server launched, check your computer name and configure your network setting.

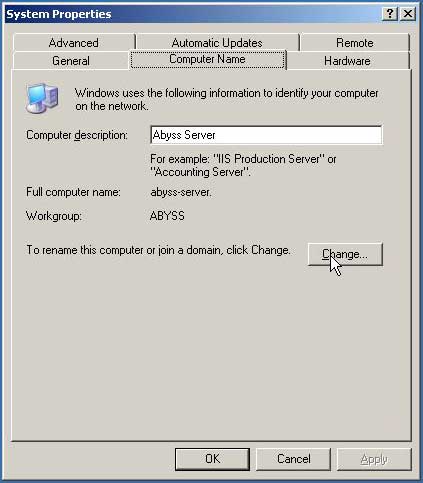
## Configuration

### Computer Name and DNS suffix



First, click on your “start” button, right click on “My Computer” and left click on “Properties”.

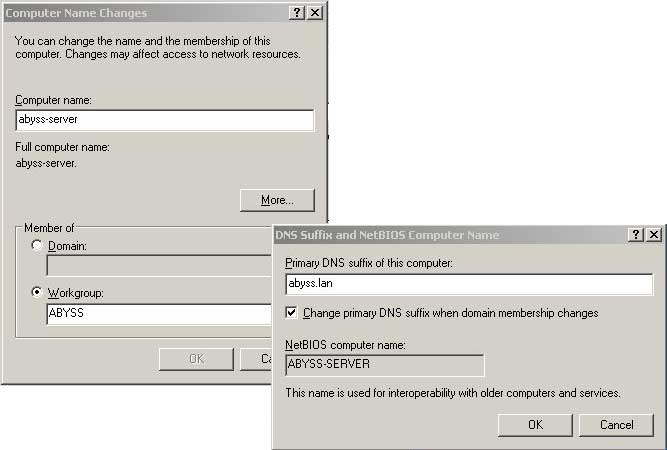
You are now on the “System Properties”.



To see your computer name, click on the “Computer Name” tab.

Here you can modify your “Computer description” (not an essential’s parameter) and check the “Computer Name” and “Workgroup”.

To modify these parameters, click on the button “Change…” to access to the “Computer Name Changes” windows.



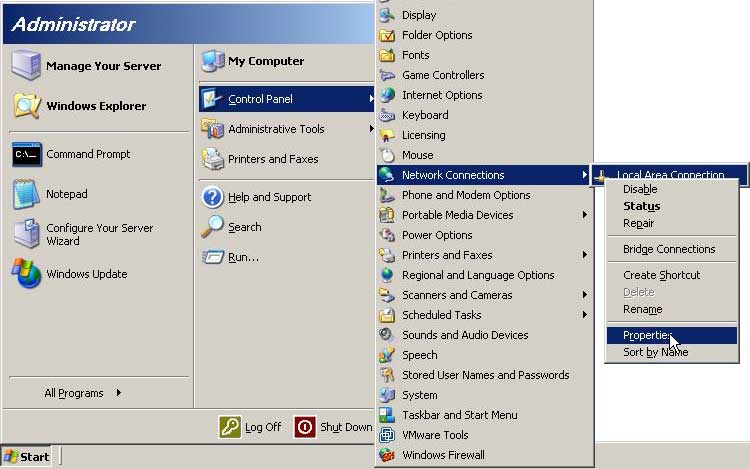
When you have finished, validate and close the windows.

Your computer must have to reboot before continuing the installation.

If your server is the Primary DNS of your network, click on “More…” to specify the DNS suffix of your network (not pre-configured).

Take care because you will not be able to modify these after the DNS Server Installation.

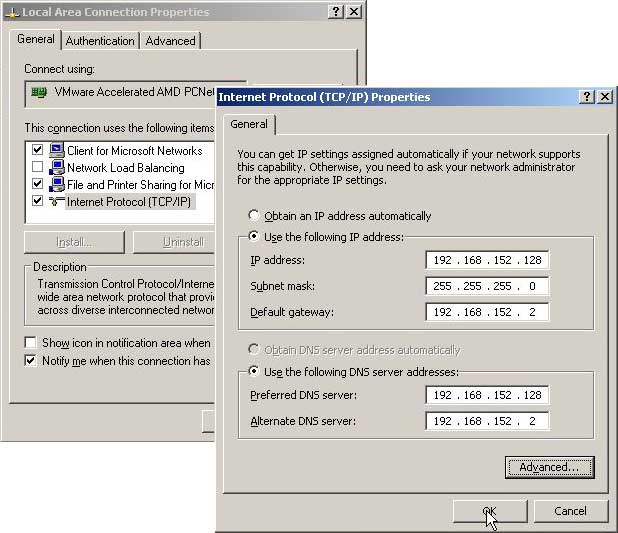
### TCP/IP configuration



Your server needs to have a static IP to be DNS Server.

Click on “Start” button; go to “Control Panel” and click on “Network Connections”.

Edit properties of your primary Network Connection and attribute a valid local static IP and subnet mask.



For the DNS Server Addresses, enter for Preferred Server your static IP and for alternate, another DNS server’s IP or your router’s IP.

Click OK to validate your configuration and reboot your system.

# DNS Service

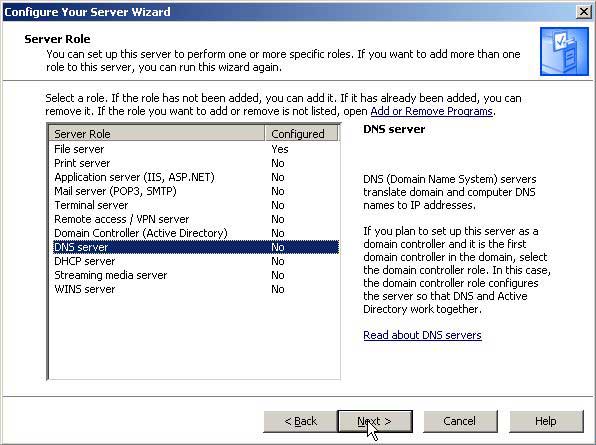
## Installation



In “Administrative Tools” click on “Configure Your Server Wizard”.

Click “Next” twice and wait during it is charging.

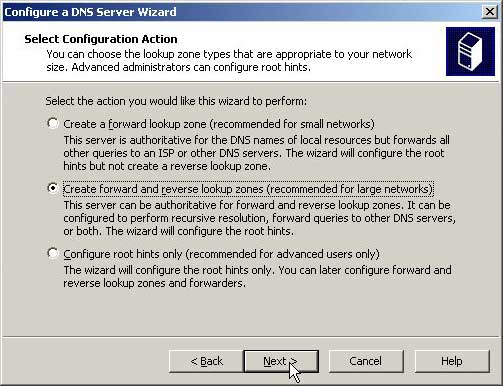
The DNS Service Installation can begin…



At first, select the Server Role you want to install by clicking on “DNS server”.

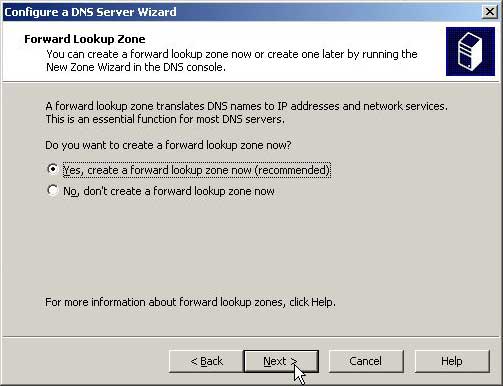
Here, check that it is not configured (value = “No”).

Then click twice on “Next” to launch the installation (you need Windows 2003 Server CD Installer).

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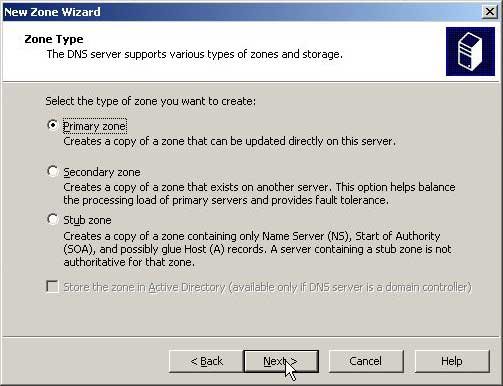
After few minutes, you will be able to configure your DNS Server.

At first, select “Create forward and reverse lookup zones” (read the description for further information) and Next.

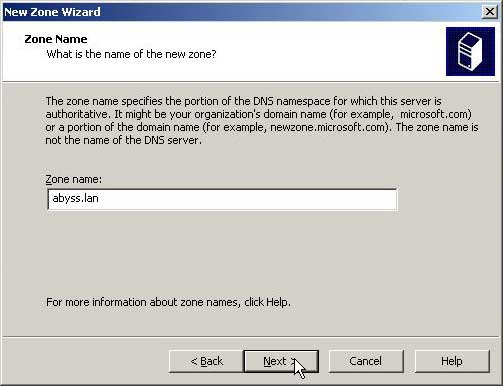
****

To create a Forward Lookup Zone now, click on “Yes, create a forward lookup zone now” and Next.

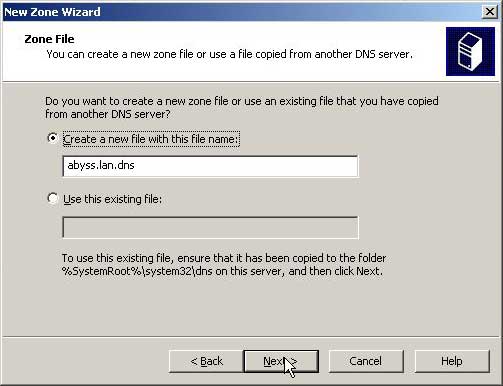
You can create it later by running the “New Zone Wizard” in the DNS console.

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Here, we are installing the main DNS Server, so select “Primary zone”, and Next.

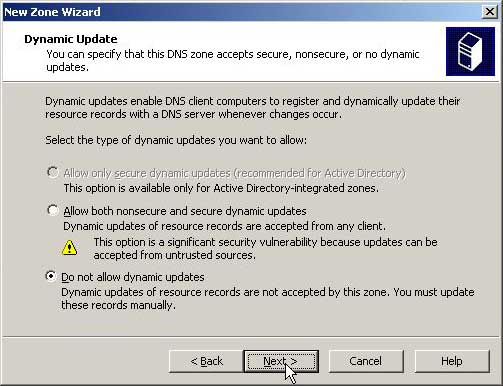
****

Specify for “Zone Name” your DNS suffix and Next.

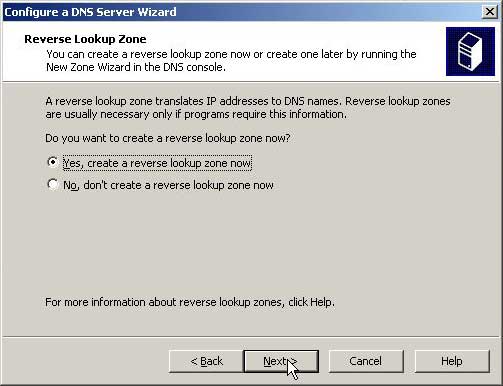
****

Click Next to validate the zone file’s creation.

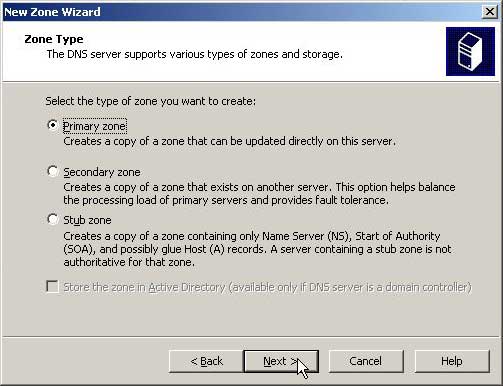
If you already have one from a previous installation, copy this file on the specified folder and select it.



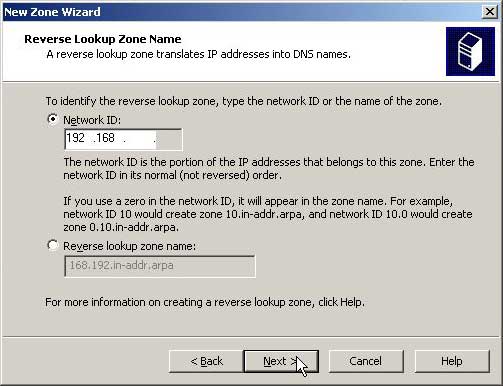
Do not allow now dynamic updates and validate by Next. We will update this at the end of the installation.



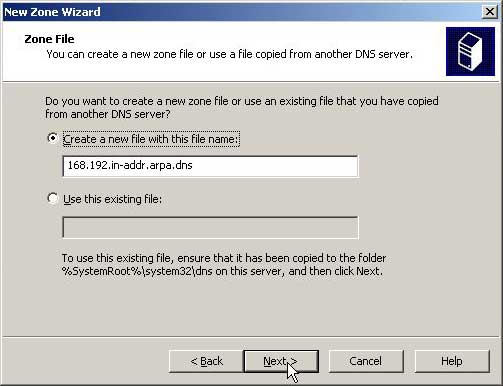
Click on Next to validate the reverse lookup zone creation.



Here, we are installing the main DNS Server, so select “Primary zone”, and Next.

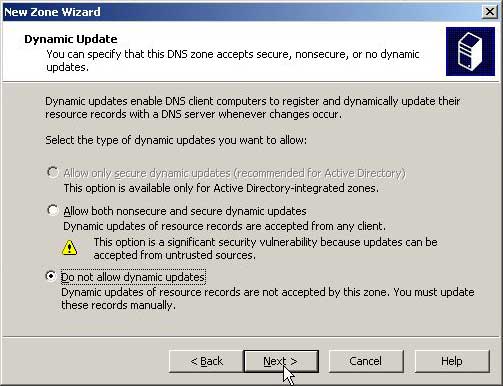


Enter the first part of your IP for the Network ID and Next.

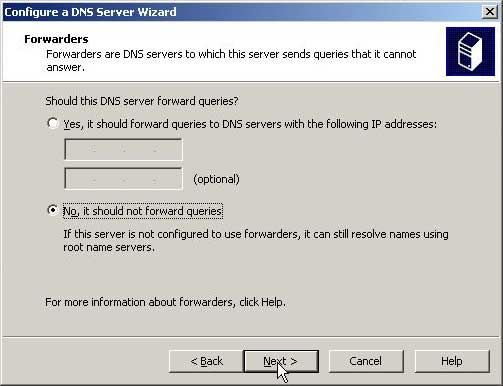


Click on Next to validate the zone file’s creation.

If you already have one from a previous installation, copy this file on the specified folder and select it.



Do not allow dynamic updates and validate by Next. We will update this at the end of the installation.



On the next windows, click “Finish”.

Your DNS Server is now fully installed.

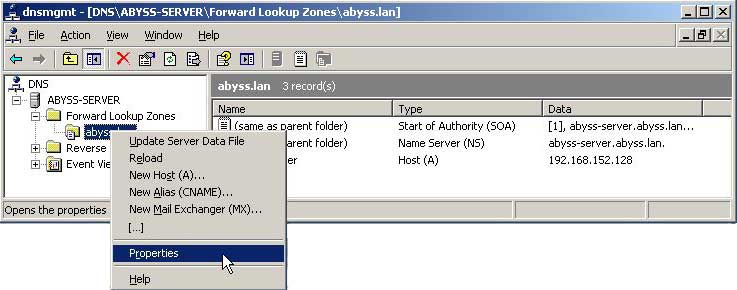
Do not forward queries and validate by Next.

## Configuration

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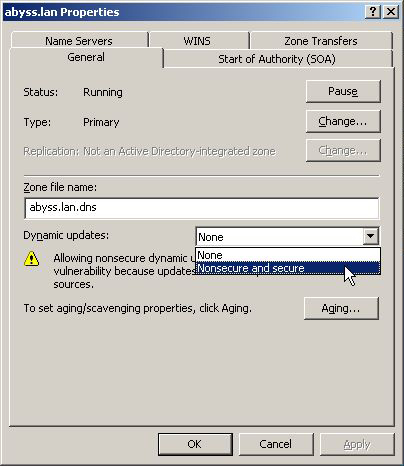
Now, we are allowing dynamic updates.

At first, launch the DNS Consol in the Administrative Tools.

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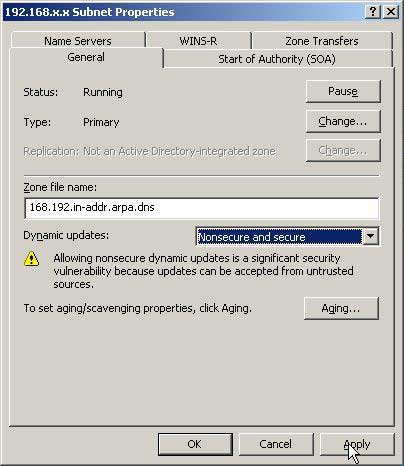
Develop “Forward Lookup Zones” and your DNS.

Make a Right click and click on “Properties”.

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Then, replace the value of Dynamic updates by “Nonsecure and secure” in General tab.

We will secure it later after the installation of Active Directory.

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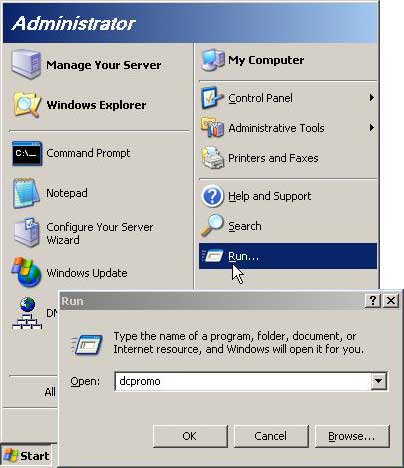
Do the same for the “Reverse Lookup Zones”.

Dynamic updates are allowed and your DNS Server is now fully configured.

Nonsecure dynamic update will be removing after the installation of Active Directory.

# Active Directory

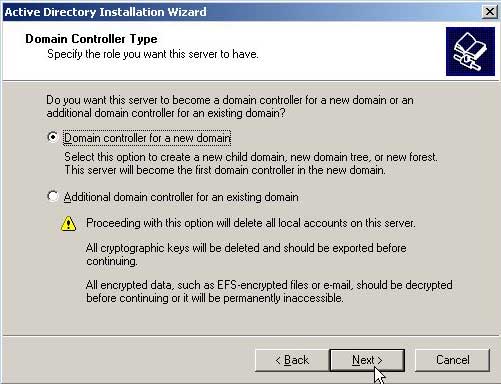
## Installation



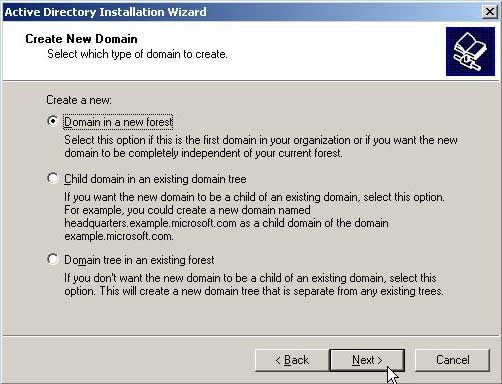
To launch the installation, click on “Start” button, “Run”, write “dcpromo” then validate.

It opens the “Active Directory Installation Wizard”.

Click twice on Next



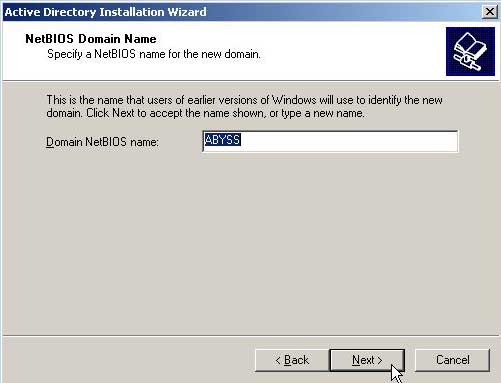
Be sure to select “Domain controller for a new domain” then Next.



Select “Domain in a new forest” then Next.



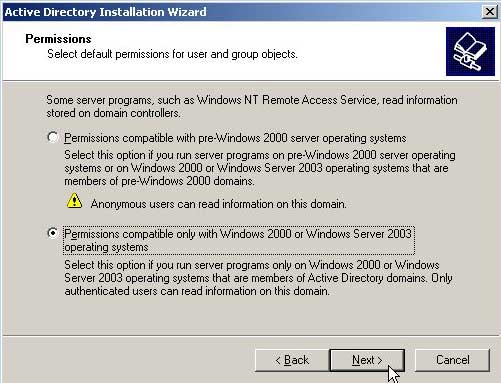
Enter the DNS name then Next.



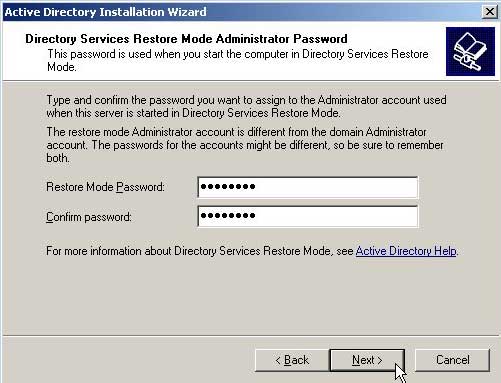
Verify the Domain NetBIOS name then Next.

Next windows specify the Database and Log Folder and the Shared System Volume.

Validate the default value by clicking on Next.



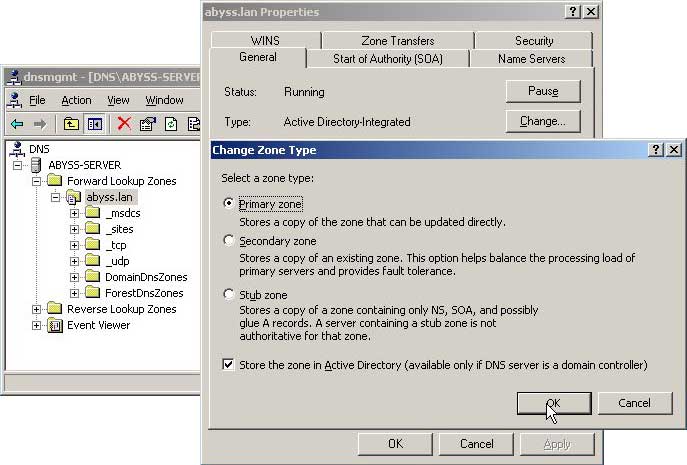
Select permissions for user and group objects likes on this picture.



Choice a Restore Administrator Password, click on Next and validate the last Summary.

The installation will be finish after a reboot.

## Configuration



Now we are increasing the security level of the DNS Server.

First, launch DNS Consol in Administrative Tools.

Develop “Forward Lookup Zones” and your DNS Name.

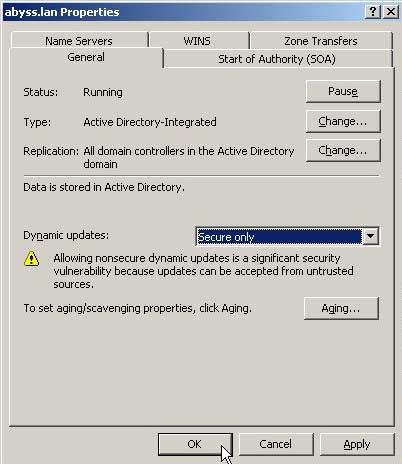
Make a Right click and click on “Properties”.

In your DNS properties, click on “Change…” and check “Store the zone in Active Directory”.

Validate and change the value of Dynamic updates to “Secure only”.

Do the same with the “Reverse Lookup Zones”.

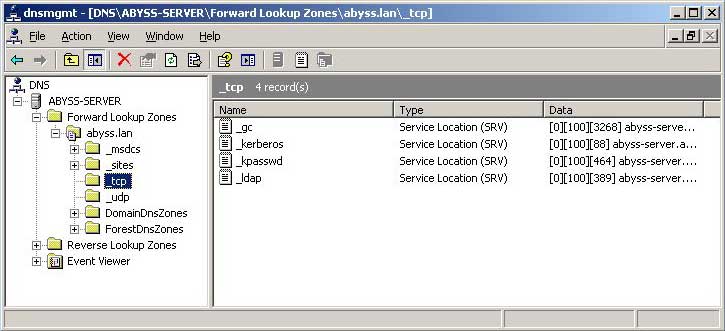
Your DNS Server is now secure.



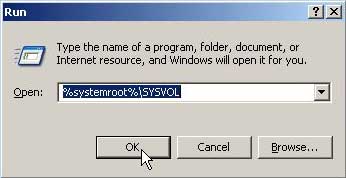
## Installation checking

*Vérification de l’installation d’Active Directory*

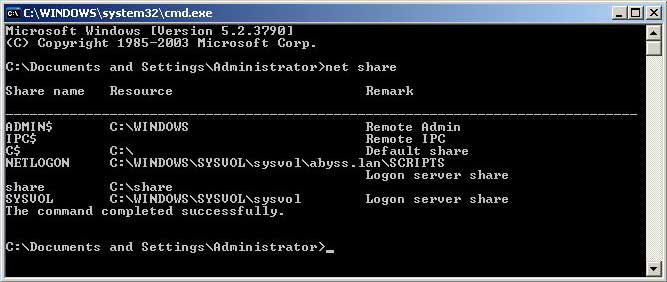
Go to the DNS consol and develop “Forward Lookup Zones”, your DNS server and “\_tcp”. Verify that “enregistrements de ressources SRV” are present.



Then, click on Start button and “Run…”. Copy “%systemroot%\SYSVOL” and “%systemroot%\NTDS” to verify the creation of those folders.



To finish, launch the console: “Start”, “Run…” and “cmd” to use the command “net share”. Be sure that “SYSVOL” folder is share.



# Oracle

## Installation