

-Administration Client Serveur -
-Rapport TP n° 7-
- Implémentation de sites pour gérer la
réplication Active Directory-

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Administration Client Serveur :
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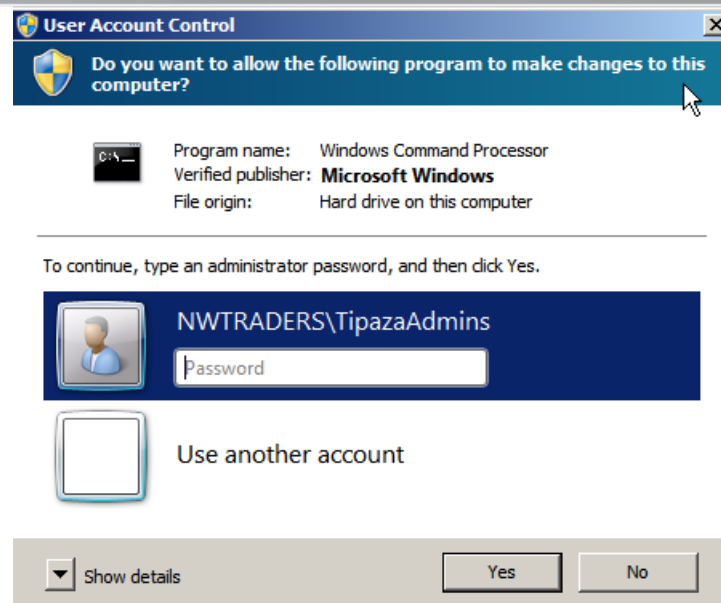
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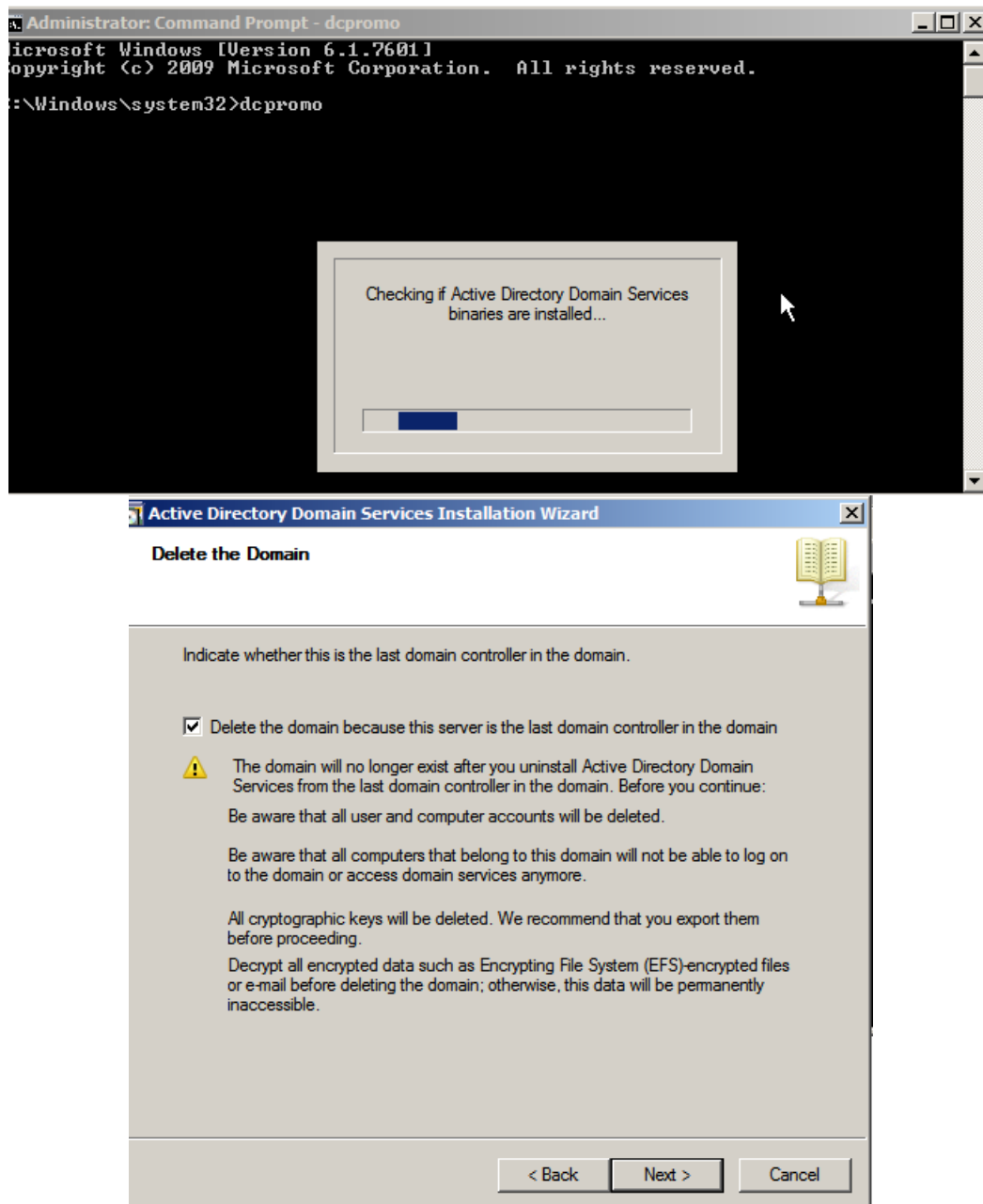
Introduction :

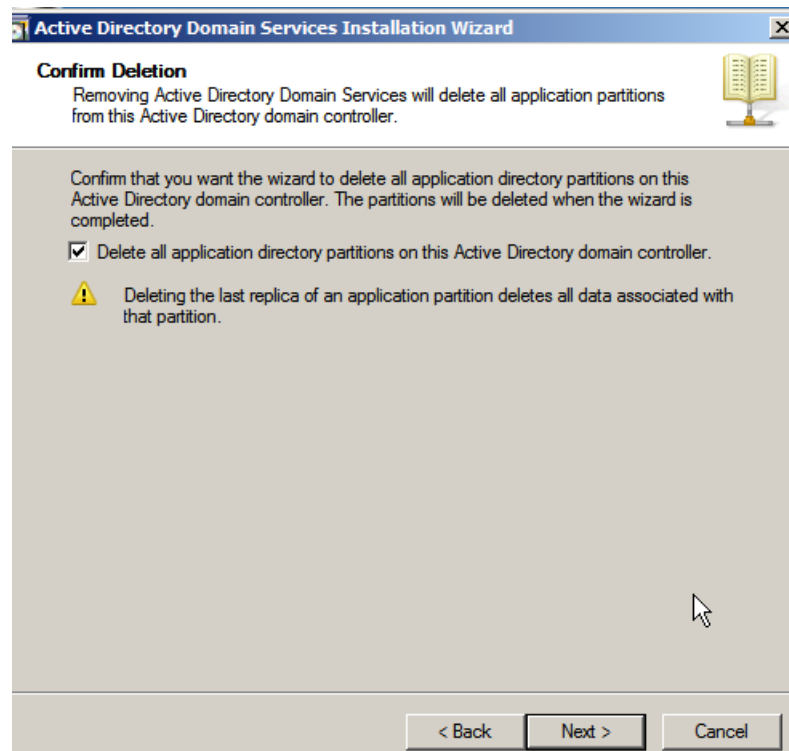
- Dans ce TP on va utiliser un compte user de domaine appartenant au groupe domain Admins, se compte est TipazaAdmins.
- En se connectant à nwtraders\Administrator on va faire des manipulations qui mèneront à l'implémentation de site pour gérer la replication.

Exercice 1 Création d'un contrôleur de domaine répliqué

1- Supprimer Active Directory du contrôleur de domaine du domaine enfant :








Active Directory Domain Services Installation Wizard

Confirm Deletion

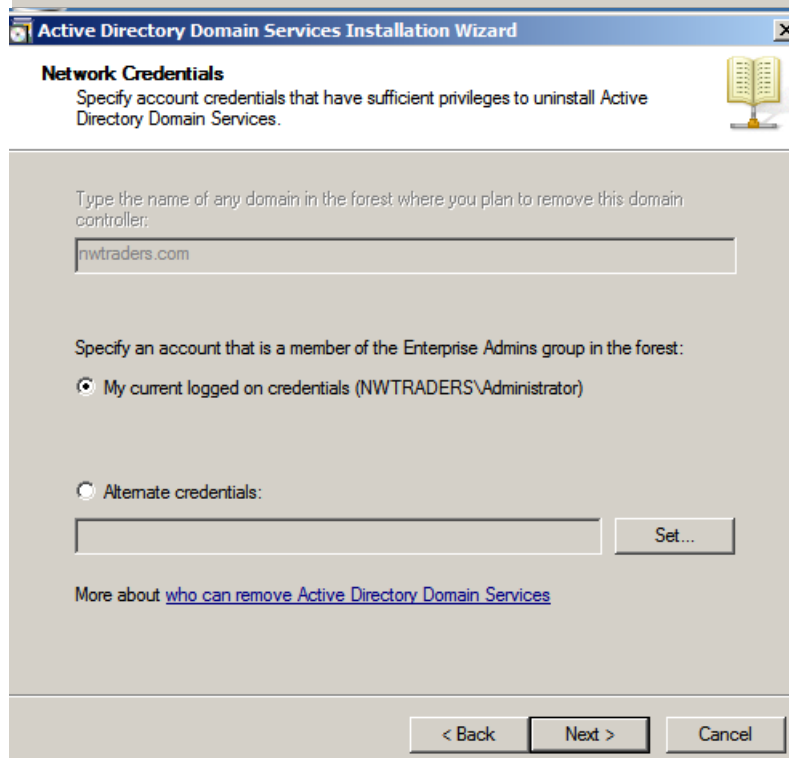
Removing Active Directory Domain Services will delete all application partitions from this Active Directory domain controller.

Confirm that you want the wizard to delete all application directory partitions on this Active Directory domain controller. The partitions will be deleted when the wizard is completed.

☒ Delete all application directory partitions on this Active Directory domain controller.

 Deleting the last replica of an application partition deletes all data associated with that partition.

< Back Next > Cancel



Active Directory Domain Services Installation Wizard

Network Credentials

Specify account credentials that have sufficient privileges to uninstall Active Directory Domain Services.

Type the name of any domain in the forest where you plan to remove this domain controller:

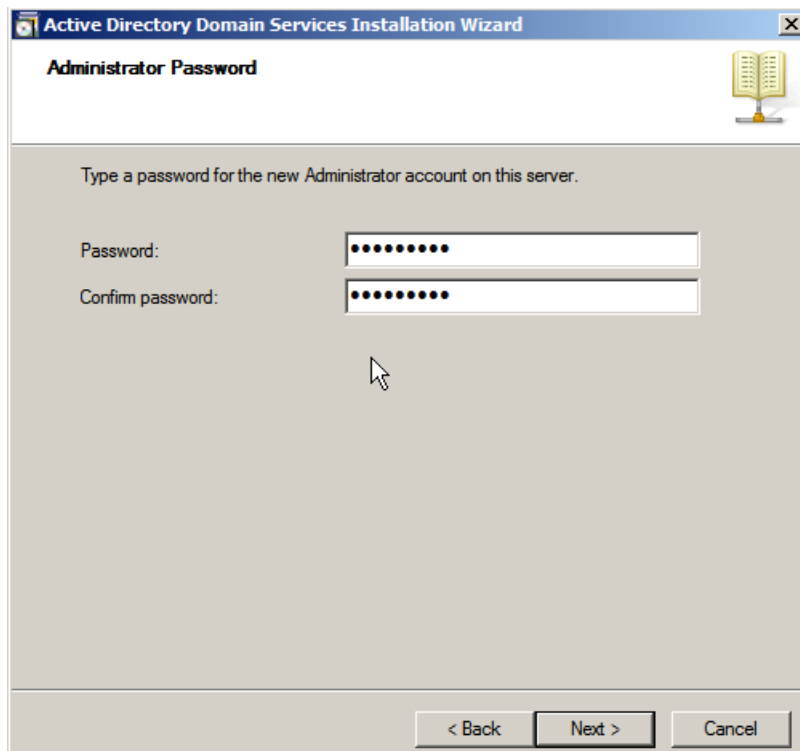
Specify an account that is a member of the Enterprise Admins group in the forest:

☒ My current logged on credentials (NWTRADERS\Administrator)

☐ Alternate credentials:

More about [who can remove Active Directory Domain Services](#)

< Back Next > Cancel



Active Directory Domain Services Installation Wizard

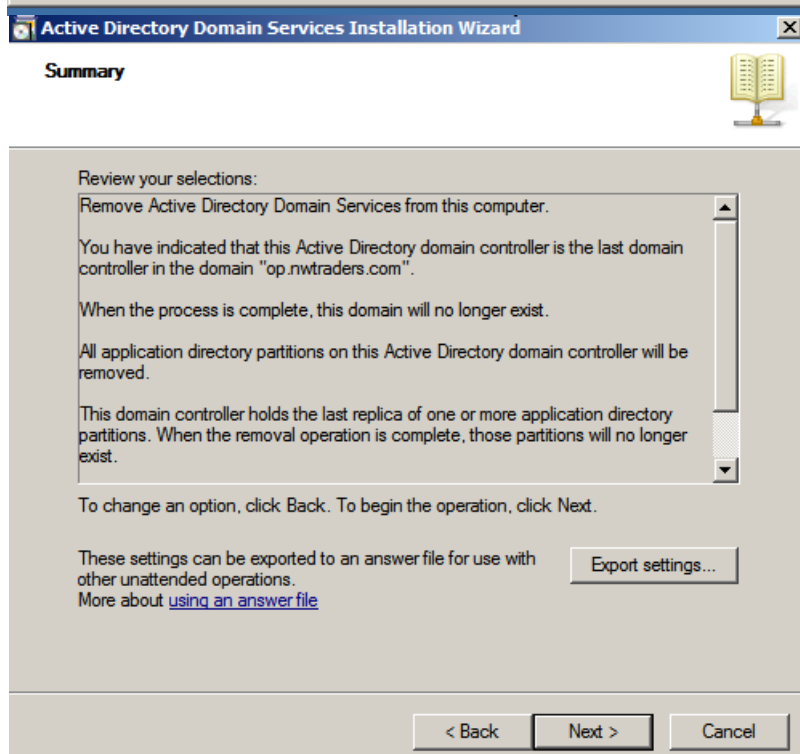
Administrator Password

Type a password for the new Administrator account on this server.

Password:

Confirm password:

< Back Next > Cancel



Active Directory Domain Services Installation Wizard

Summary

Review your selections:

Remove Active Directory Domain Services from this computer.

You have indicated that this Active Directory domain controller is the last domain controller in the domain "op.nwtraders.com".

When the process is complete, this domain will no longer exist.

All application directory partitions on this Active Directory domain controller will be removed.

This domain controller holds the last replica of one or more application directory partitions. When the removal operation is complete, those partitions will no longer exist.

To change an option, click Back. To begin the operation, click Next.

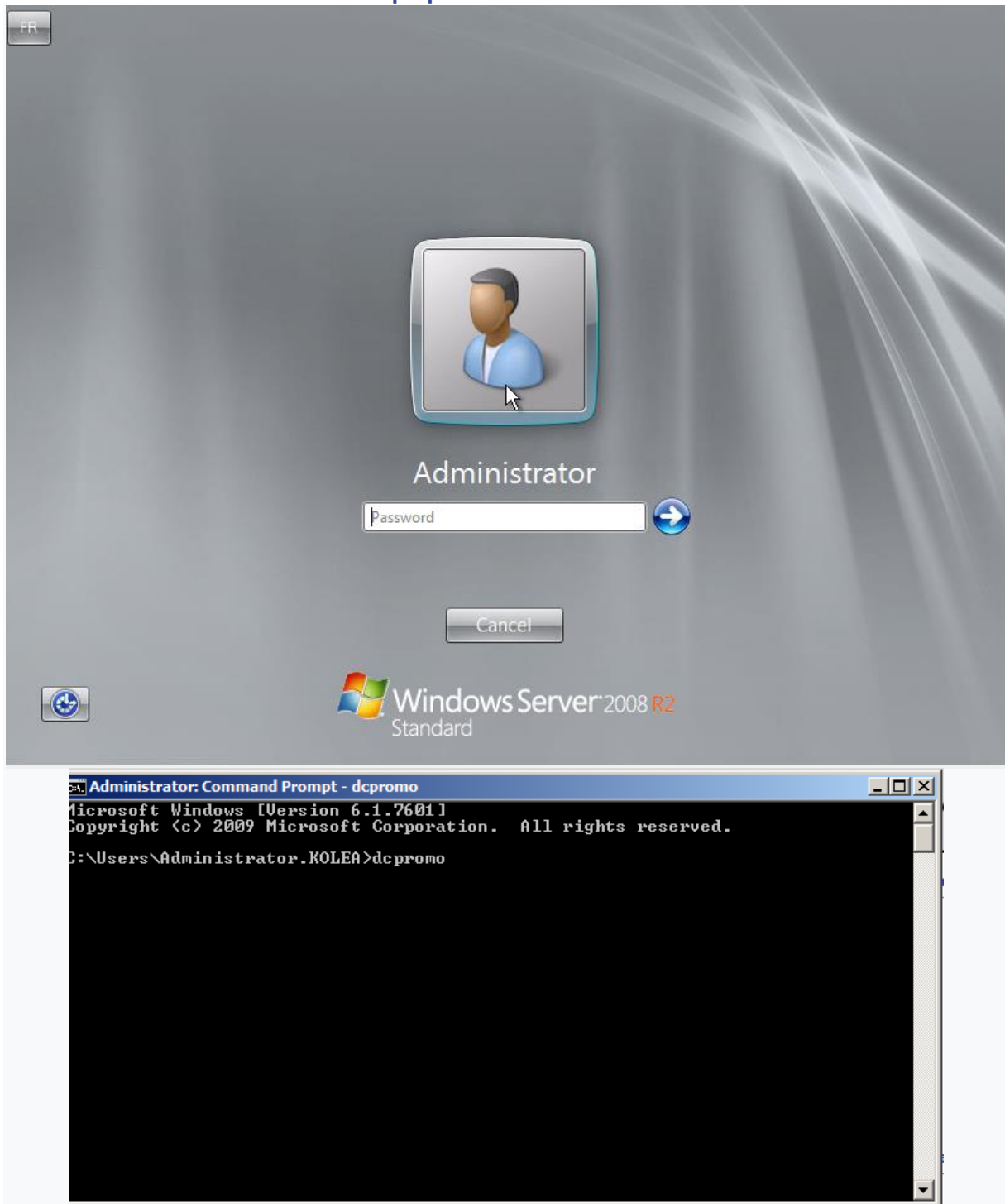
These settings can be exported to an answer file for use with other unattended operations. [More about using an answer file](#)

Export settings...

< Back Next > Cancel



2- Ajouter le contrôleur de domaine de la tâche précédente comme contrôleur de domaine répliqué dans le domaine nwtraders.local



Active Directory Domain Services Installation Wizard

Choose a Deployment Configuration
You can create a domain controller for an existing forest or for a new forest.

☒ Existing forest

- ☒ Add a domain controller to an existing domain
- ☐ Create a new domain in an existing forest
This server will become the first domain controller in the new domain.
 - ☐ Create a new domain tree root instead of a new child domain
- ☐ Create a new domain in a new forest

More about [possible deployment configurations](#)

< Back Next > Cancel

Active Directory Domain Services Installation Wizard

Network Credentials
Specify the name of the forest where the installation will occur and account credentials that have sufficient privileges to perform the installation.

Type the name of any domain in the forest where you plan to install this domain controller:

Specify the account credentials to use to perform the installation:

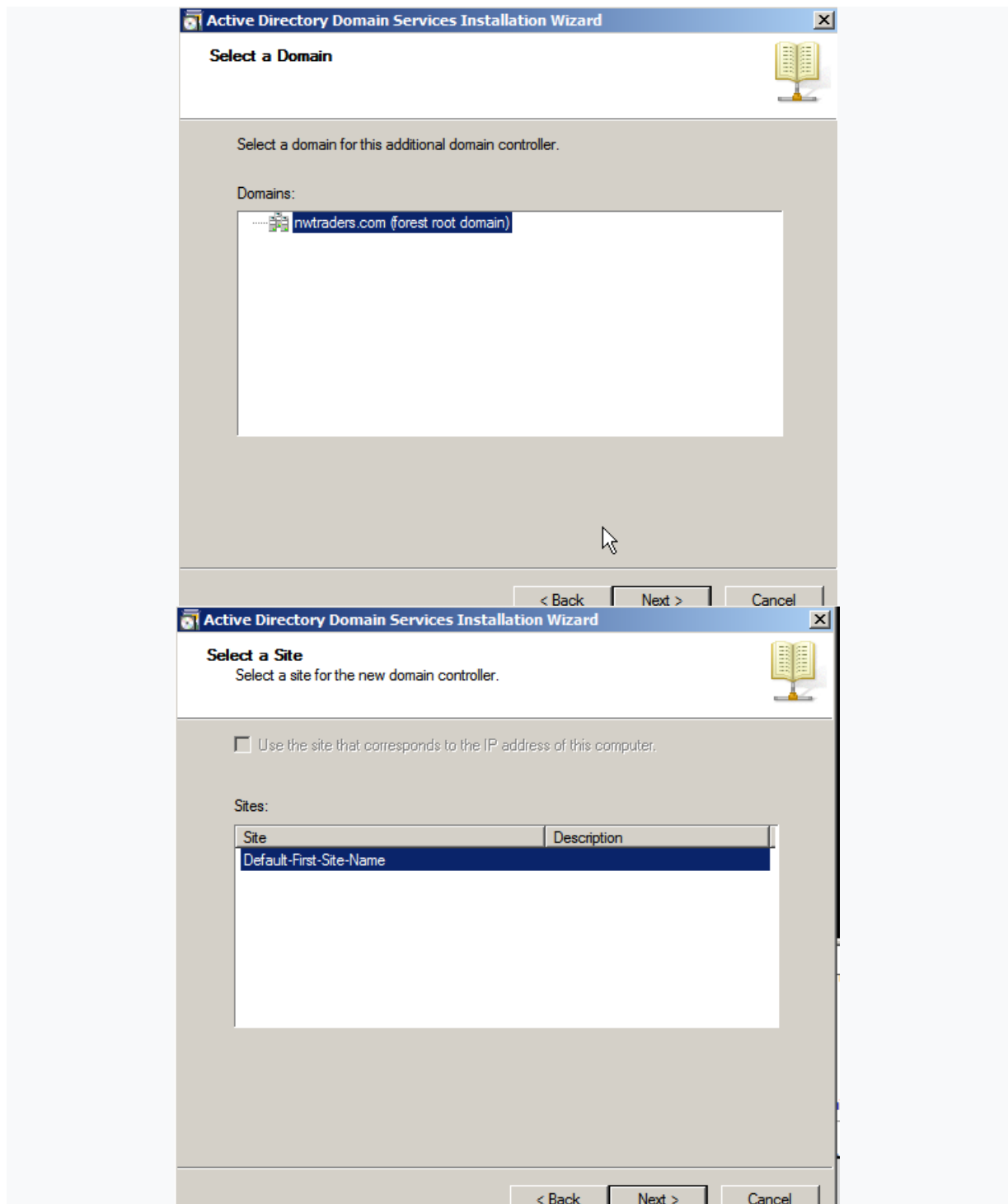
☐ My current logged on credentials (KOLEA\Administrator)

The current user credentials cannot be selected because they are local to this computer. A set of domain credentials is needed.

☒ Alternate credentials:
 Set...

More about [who can install Active Directory Domain Services](#)

< Back Next > Cancel



Active Directory Domain Services Installation Wizard

Additional Domain Controller Options

Select additional options for this domain controller.

- ☒ DNS server
- ☒ Global catalog
- ☐ Read-only domain controller (RODC)

Additional information:

The DNS Server service is already installed on this server.

There is currently 1 DNS server that is registered as an authoritative name server for this domain.

More about [additional domain controller options](#)

< Back Next > Cancel

Active Directory Domain Services Installation Wizard

Install from Media

Select one of the following options, depending on whether you want to replicate domain data over the network from an existing domain controller or you want to replicate domain data from media created from an existing domain controller (install from media). In either case, the existing domain controller must be in the same domain as the new domain controller.

- ☒ Replicate data over the network from an existing domain controller
- ☐ Replicate data from media at the following location
Consult the help to make sure that the media you are using is compatible with the type of domain controller you are installing. Even if you select this option, some data is copied over the network.

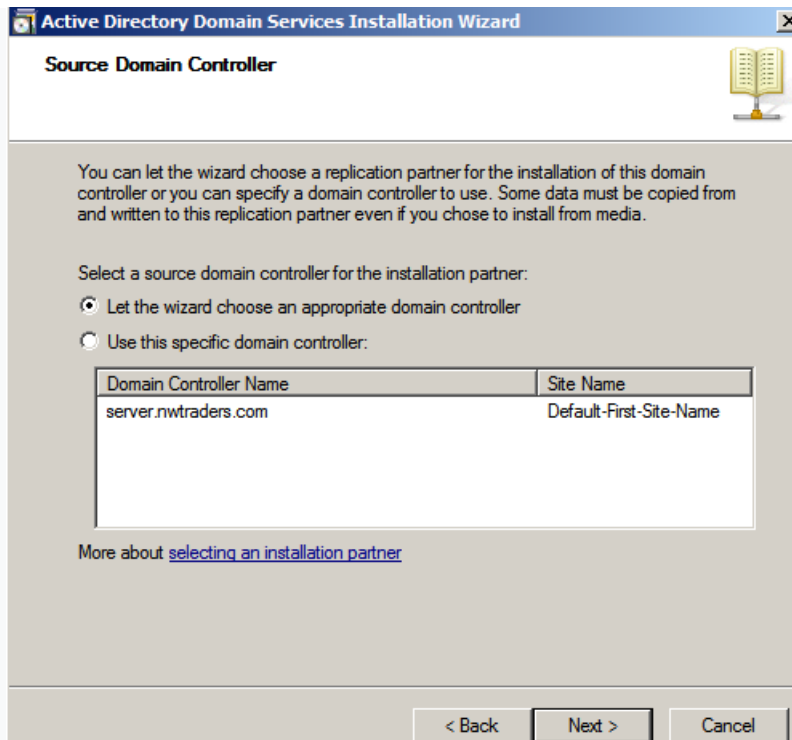
Location:

C:\NTDSRestore Browse...

The media you select must have been created from a writable domain controller, not a read-only domain controller.

More about [install from media](#)

< Back Next > Cancel



Active Directory Domain Services Installation Wizard

Source Domain Controller

You can let the wizard choose a replication partner for the installation of this domain controller or you can specify a domain controller to use. Some data must be copied from and written to this replication partner even if you chose to install from media.

Select a source domain controller for the installation partner:

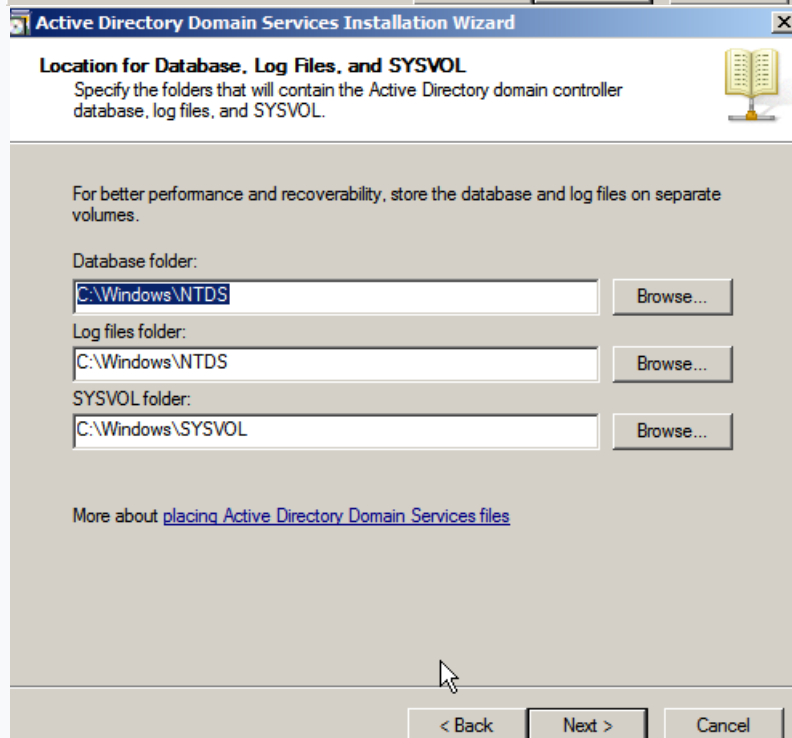
☒ Let the wizard choose an appropriate domain controller

☐ Use this specific domain controller:

Domain Controller Name	Site Name
server.nwtraders.com	Default-First-Site-Name

More about [selecting an installation partner](#)

< Back Next > Cancel



Active Directory Domain Services Installation Wizard

Location for Database, Log Files, and SYSVOL

Specify the folders that will contain the Active Directory domain controller database, log files, and SYSVOL.

For better performance and recoverability, store the database and log files on separate volumes.

Database folder:
C:\Windows\NTDS Browse...

Log files folder:
C:\Windows\NTDS Browse...

SYSVOL folder:
C:\Windows\SYSVOL Browse...

More about [placing Active Directory Domain Services files](#)

< Back Next > Cancel

The screenshot displays two windows from the 'Active Directory Domain Services Installation Wizard'.

Top Window: Directory Services Restore Mode Administrator Password

The Directory Services Restore Mode Administrator account is different from the domain Administrator account.

Assign a password for the Administrator account that will be used when this domain controller is started in Directory Services Restore Mode. We recommend that you choose a strong password.

Password: [password field]

Confirm password: [password field]

More about [Directory Services Restore Mode password](#)

< Back Next > Cancel

Bottom Window: Summary

Review your selections:

Configure this server as an additional Active Directory domain controller for the domain "nwtraders.com".

Site: Default-First-Site-Name

Additional Options:

- Read-only domain controller: "No"
- Global catalog: Yes
- DNS Server: Yes

Update DNS Delegation: No

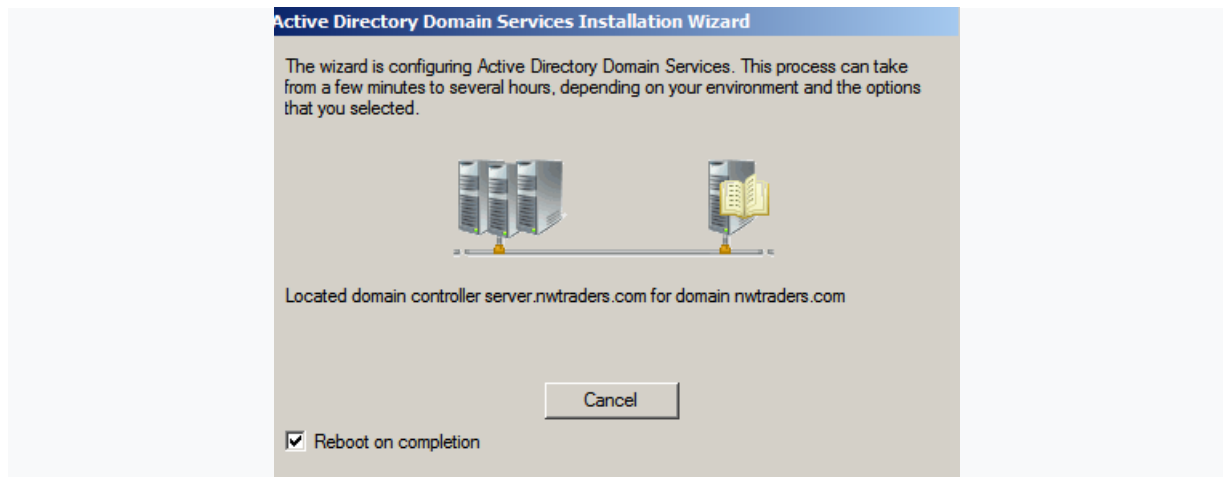
Source domain controller: any writable domain controller

To change an option, click Back. To begin the operation, click Next.

These settings can be exported to an answer file for use with other unattended operations. [More about using an answer file](#)

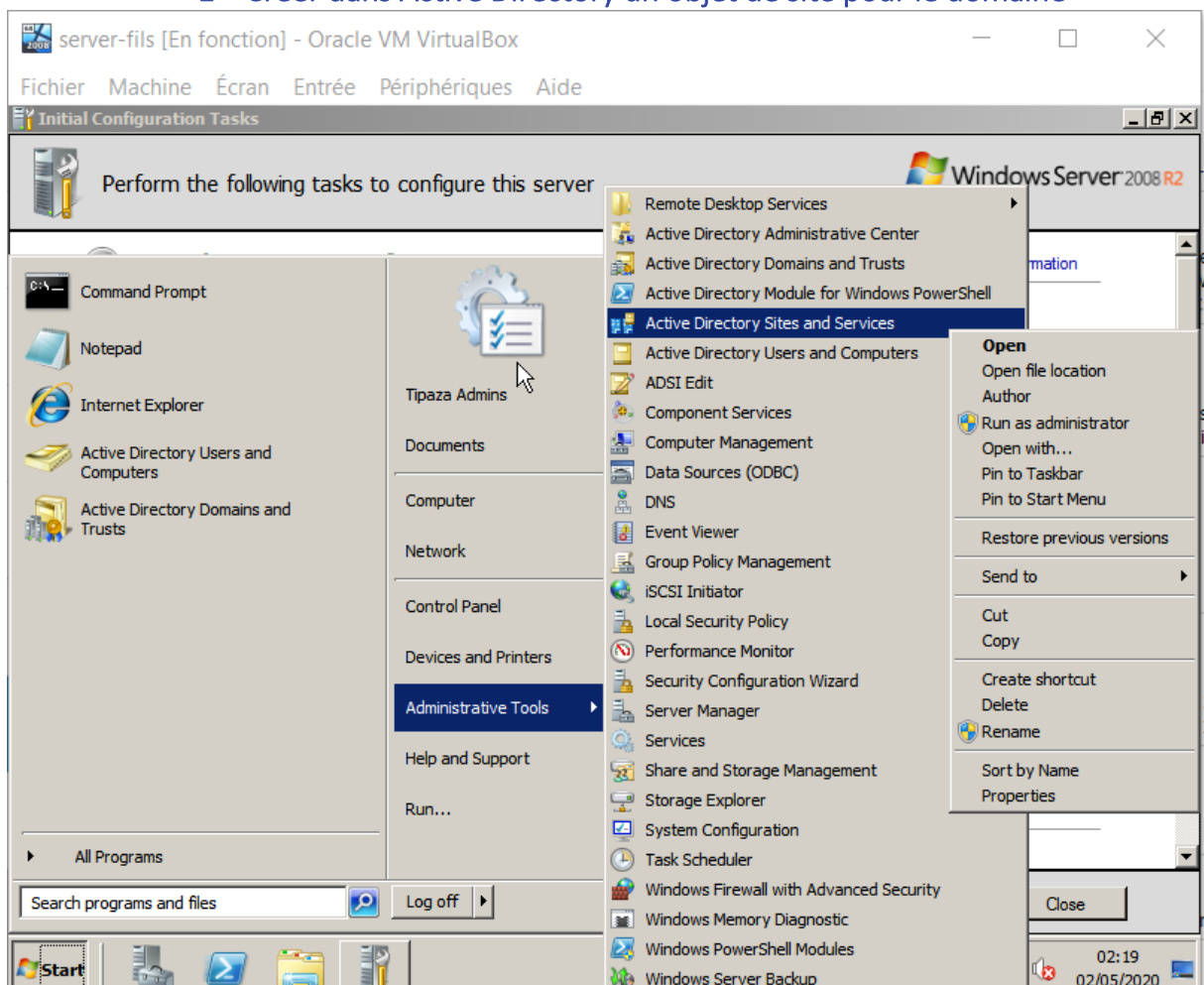
Export settings...

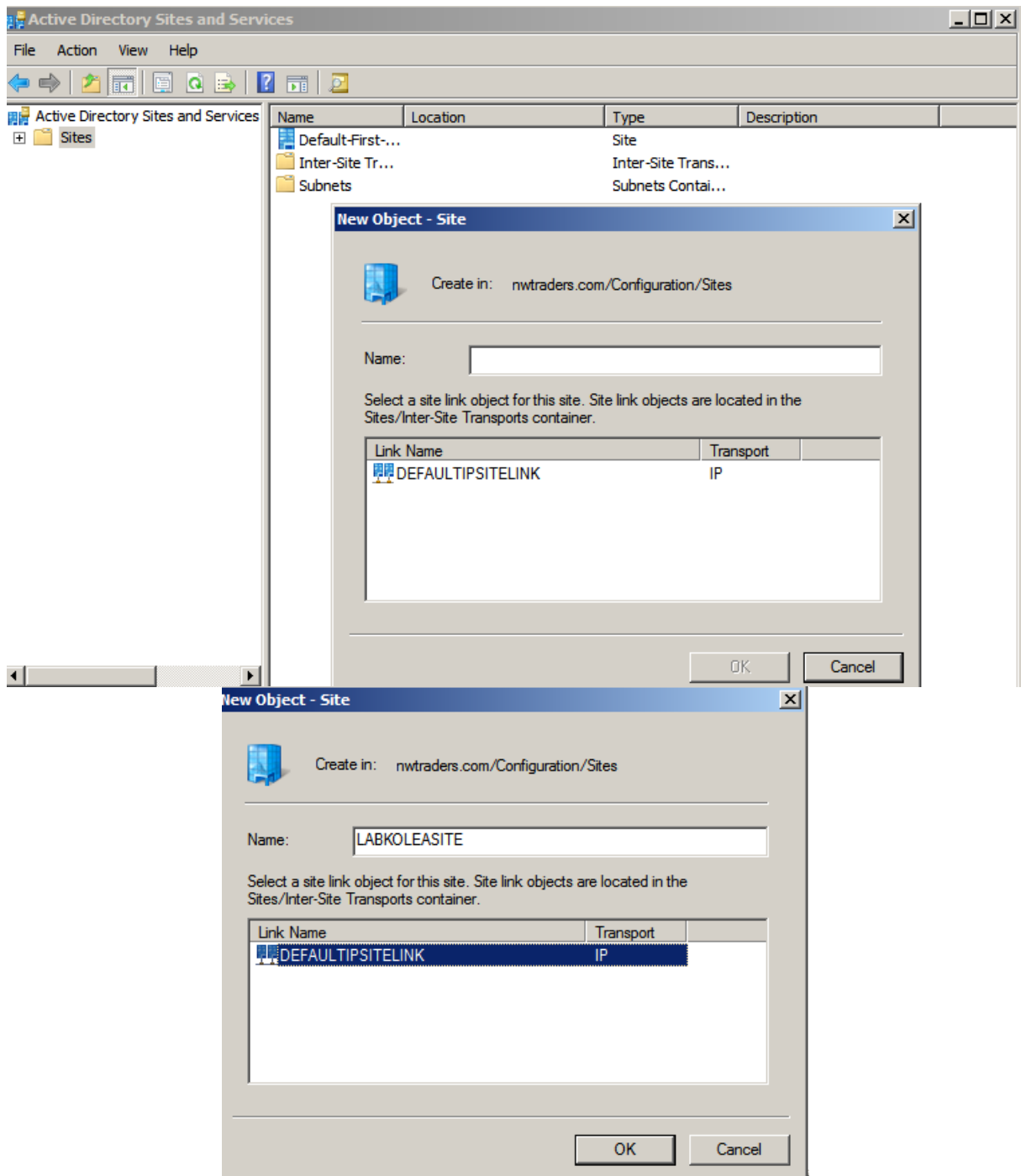
< Back Next > Cancel

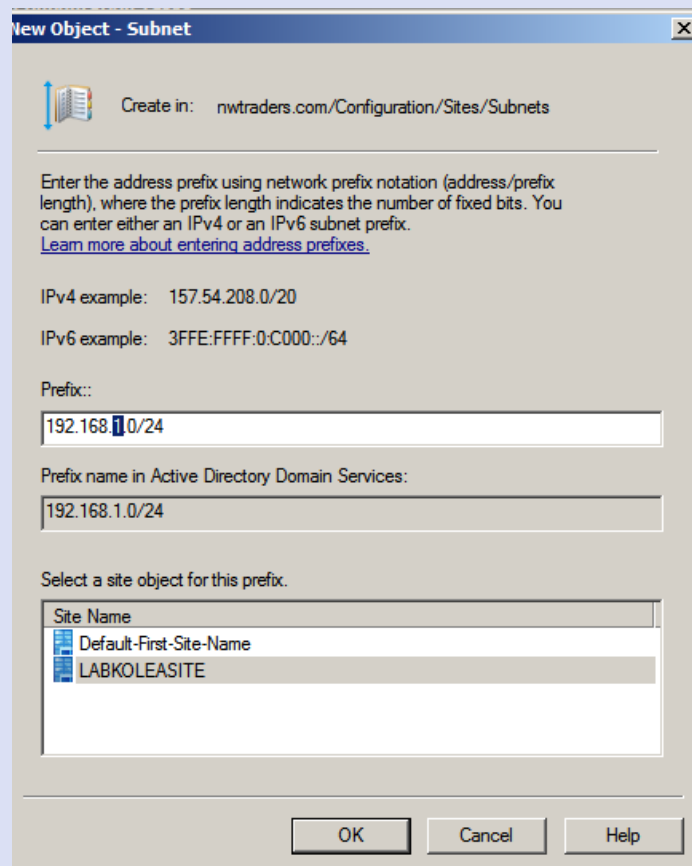
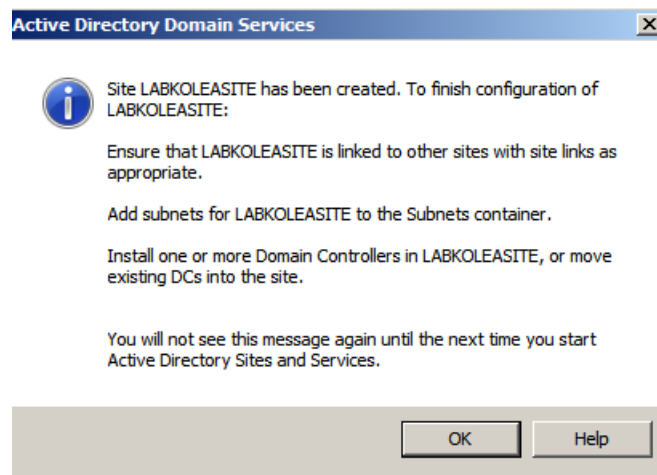


Exercice 2 Création et configuration d'un site pour votre domaine

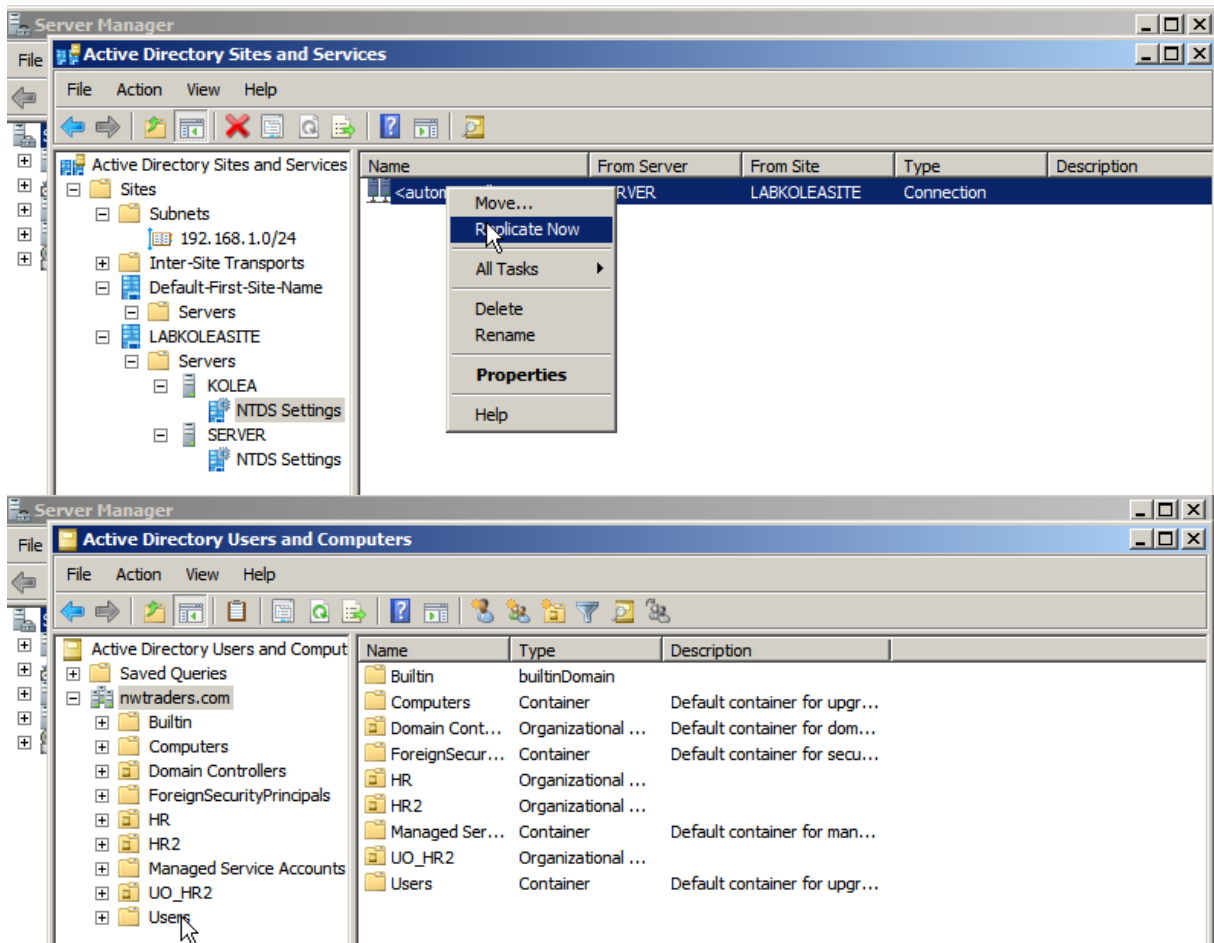
1- Créer dans Active Directory un objet de site pour le domaine

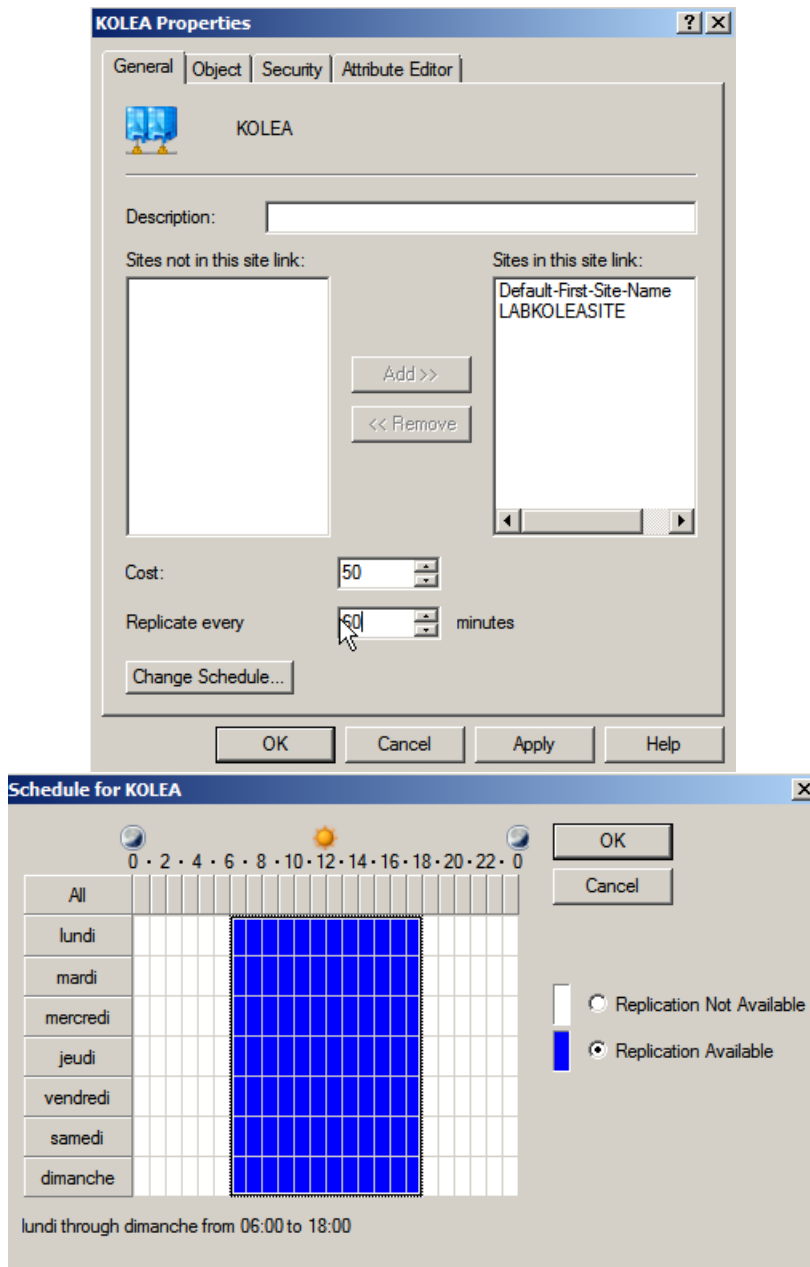






2- Configurer les propriétés de la liaison de site en définissant le coût de Réplication, l'intervalle et la planification





Exercice 3 :

REPADMIN /SHOWREPL (on se trouve sur le serveur KOLEA)

```

C:\Windows\system32>repadmin /showrepl

Repadmin: running command /showrepl against full DC localhost
LABKOLEASITE\KOLEA
DSA Options: IS_GC
Site Options: <none>
DSA object GUID: 15ba768f-ffe9-4e60-967f-71eb6bfc9502
DSA invocationID: cef240fe-7fbb-40f5-a007-49f8d2d94f56

==== INBOUND NEIGHBORS =====

DC=nwtraders,DC=com
LABKOLEASITE\SERVER via RPC
DSA object GUID: 6a7729c1-2e03-4f5c-bccb-cae261475c9b
Last attempt @ 2020-05-02 05:29:44 was successful.

CN=Configuration,DC=nwtraders,DC=com
LABKOLEASITE\SERVER via RPC
DSA object GUID: 6a7729c1-2e03-4f5c-bccb-cae261475c9b
Last attempt @ 2020-05-02 04:58:27 was successful.

CN=Schema,CN=Configuration,DC=nwtraders,DC=com
LABKOLEASITE\SERVER via RPC
DSA object GUID: 6a7729c1-2e03-4f5c-bccb-cae261475c9b
Last attempt @ 2020-05-02 04:58:27 was successful.

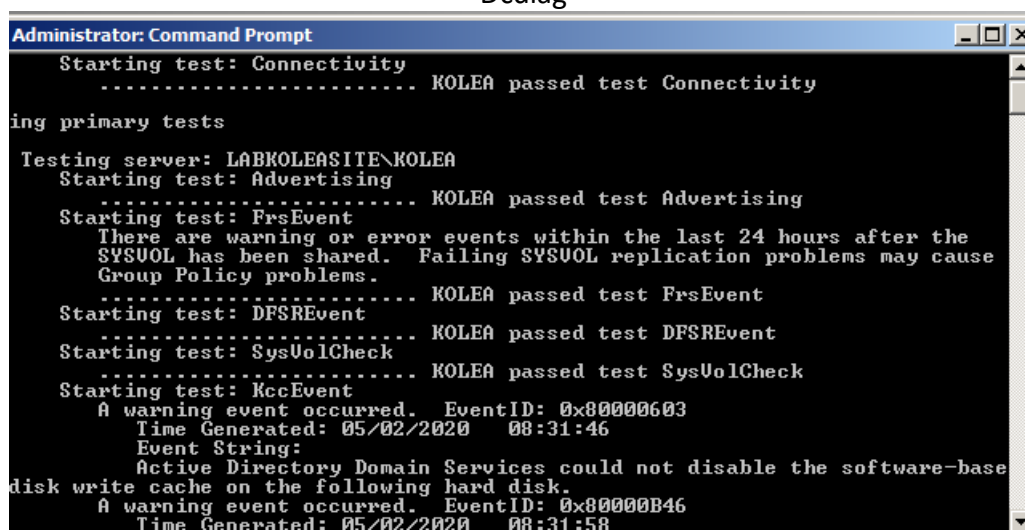
DC=DomainDnsZones,DC=nwtraders,DC=com
LABKOLEASITE\SERVER via RPC
DSA object GUID: 6a7729c1-2e03-4f5c-bccb-cae261475c9b
Last attempt @ 2020-05-02 04:58:27 was successful.

DC=ForestDnsZones,DC=nwtraders,DC=com
LABKOLEASITE\SERVER via RPC
DSA object GUID: 6a7729c1-2e03-4f5c-bccb-cae261475c9b
Last attempt @ 2020-05-02 04:58:27 was successful.

C:\Windows\system32>_

```

Dcdiag



```

Administrator: Command Prompt

Starting test: Connectivity
..... KOLEA passed test Connectivity

Running primary tests

Testing server: LABKOLEASITE\KOLEA
Starting test: Advertising
..... KOLEA passed test Advertising
Starting test: FrsEvent
There are warning or error events within the last 24 hours after the
SYSVOL has been shared. Failing SYSVOL replication problems may cause
Group Policy problems.
..... KOLEA passed test FrsEvent
Starting test: DFSREvent
..... KOLEA passed test DFSREvent
Starting test: SysVolCheck
..... KOLEA passed test SysVolCheck
Starting test: KccEvent
A warning event occurred. EventID: 0x80000603
Time Generated: 05/02/2020 08:31:46
Event String:
Active Directory Domain Services could not disable the software-base
disk write cache on the following hard disk.
A warning event occurred. EventID: 0x80000B46
Time Generated: 05/02/2020 08:31:58

```

Aucune erreur mais apparition de quelques warning.