

Windows - DHCP

Serveur d'adressage dynamique.

- [DHCP - Installation \(GUI\)](#)

DHCP - Installation (GUI)



Difficulté : Novice

Notions : DHCP, rôle windows, réseau.

I. Introduction

Cette procédure à pour but de décrire la mise en place d'un serveur DHCP sous windows.

Info : Pour les notions théoriques sur le DHCP, se référer à [Réseau - Protocole DHCP](#)

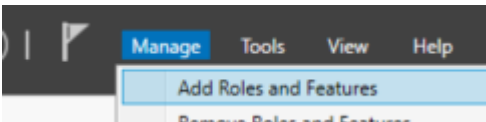
Prérequis matériels	
Core	GUI
• 1 vcpu • 2Gb RAM • 25Gb dd • 1 IP Fixe	• 1 à 2 vcpu • 2 à 4Gb RAM • 60Gb dd • 1 IP Fixe

II. Installation

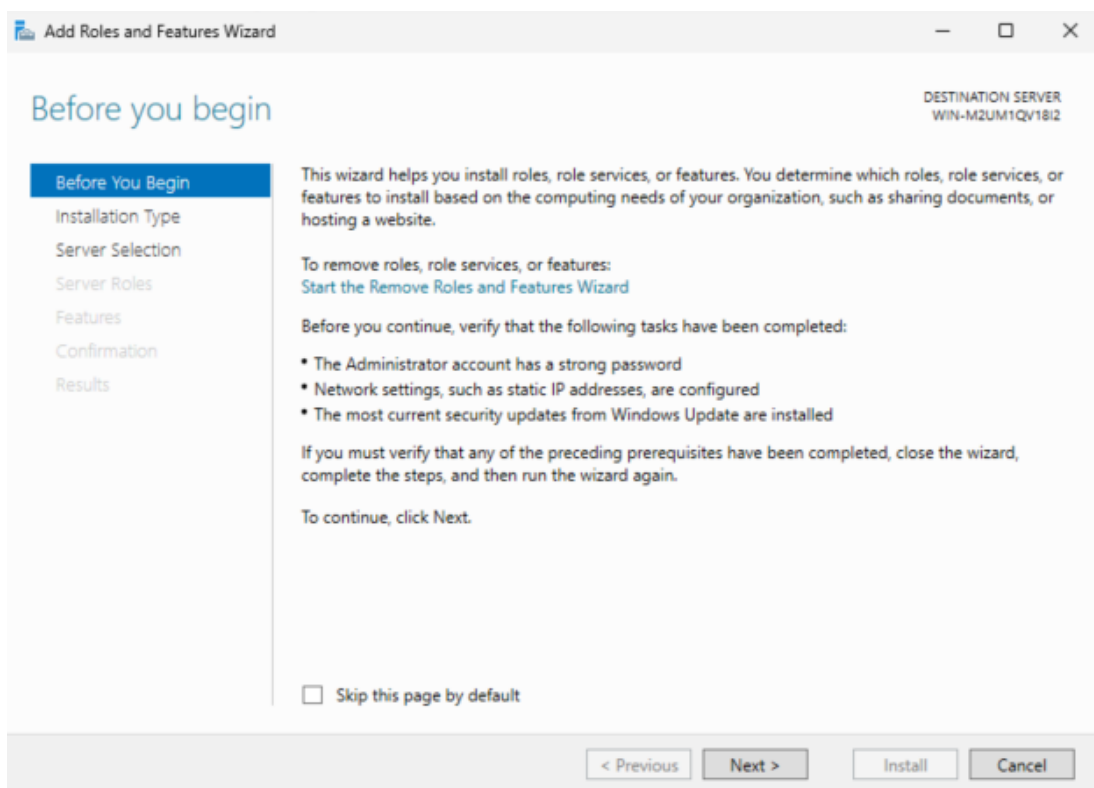
Lancer le server manager



Cliquer sur '**Manage --> Add Roles and Features**'



Sur la première page, faire '**Next**'.



Sélectionner '**Role-based or feature-based installation**' puis faire '**Next**'.

Add Roles and Features Wizard

Select installation type

DESTINATION SERVER
WIN-M2UM1QV18I2

- Before You Begin
- Installation Type**
- Server Selection
- Server Roles
- Features
- Confirmation
- Results

Select the installation type. You can install roles and features on a running physical computer or virtual machine, or on an offline virtual hard disk (VHD).

☒ **Role-based or feature-based installation**
Configure a single server by adding roles, role services, and features.

☐ **Remote Desktop Services installation**
Install required role services for Virtual Desktop Infrastructure (VDI) to create a virtual machine-based or session-based desktop deployment.

< Previous Next > Install Cancel

Sélectionner le serveur sur lequel installer le rôle puis faire '**Next**'.

Add Roles and Features Wizard

Select destination server

DESTINATION SERVER
WIN-M2UM1QV18I2

- Before You Begin
- Installation Type
- Server Selection**
- Server Roles
- Features
- Confirmation
- Results

Select a server or a virtual hard disk on which to install roles and features.

☒ Select a server from the server pool

☐ Select a virtual hard disk

Server Pool

Filter:

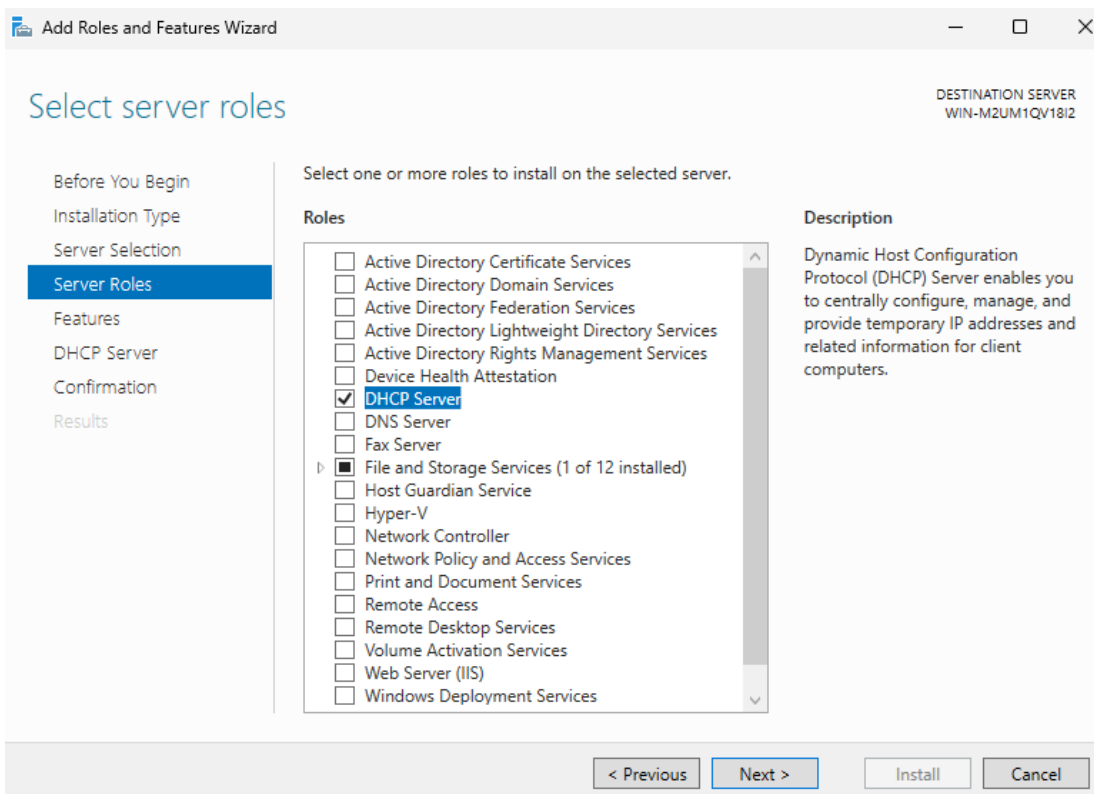
Name	IP Address	Operating System
WIN-M2UM1QV18I2	169.254.163.67	Microsoft Windows Server 2025 Datacenter

1 Computer(s) found

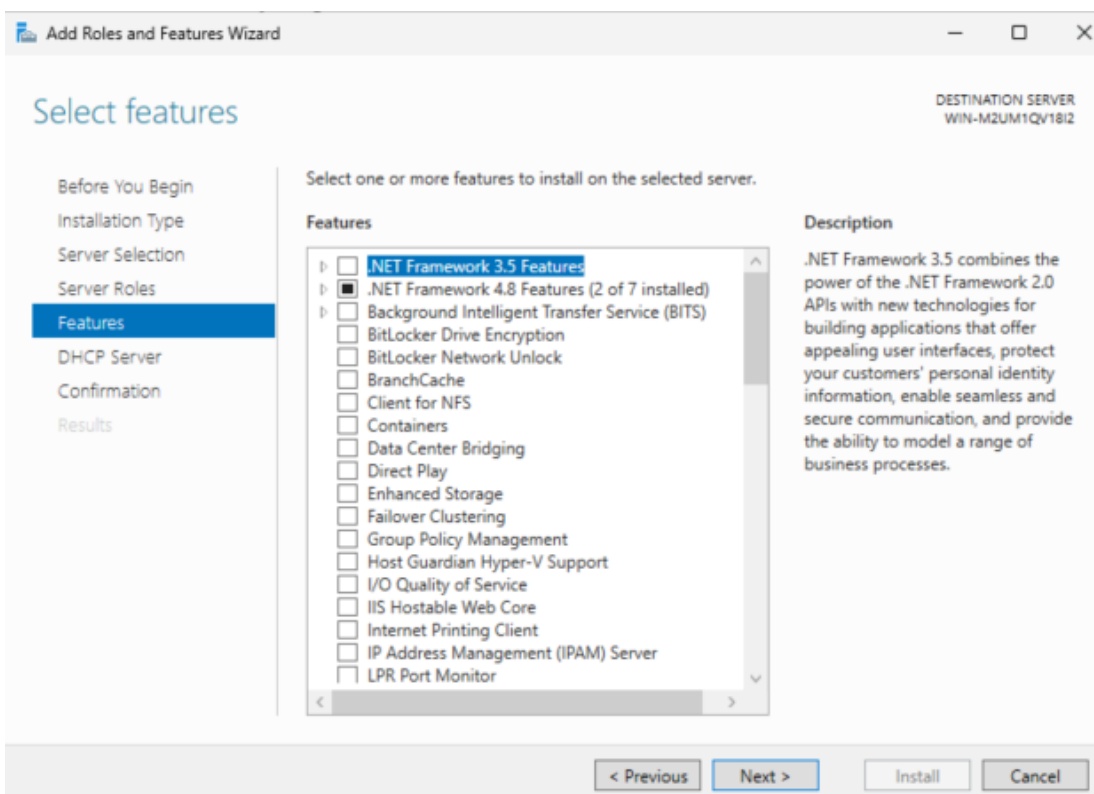
This page shows servers that are running Windows Server 2012 or a newer release of Windows Server, and that have been added by using the Add Servers command in Server Manager. Offline servers and newly-added servers from which data collection is still incomplete are not shown.

< Previous Next > Install Cancel

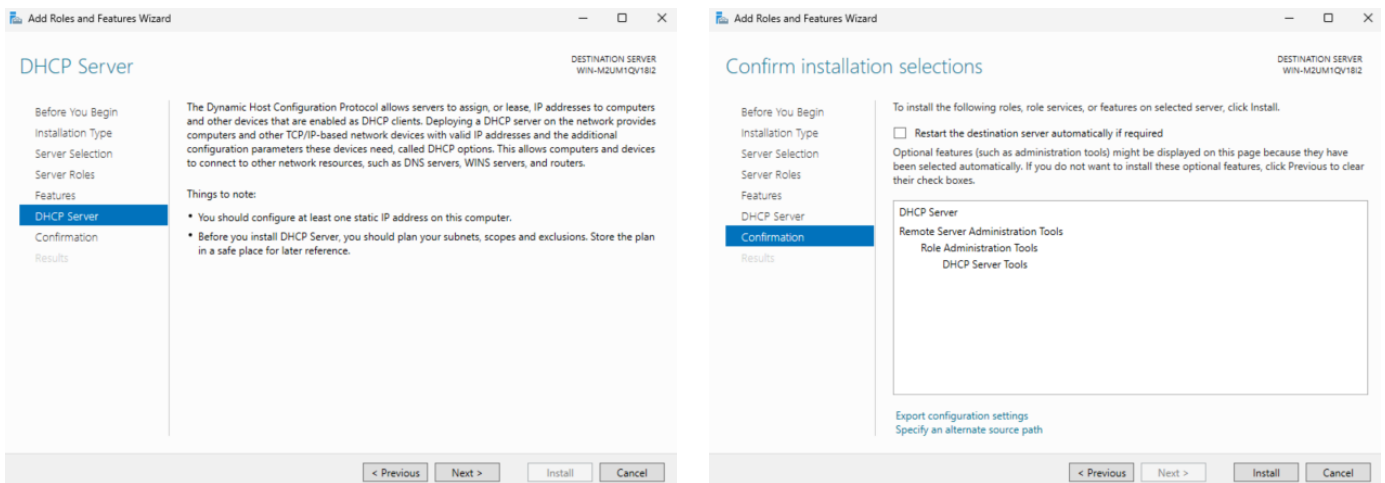
Cocher le rôle DHCP puis faire '**Next**'.



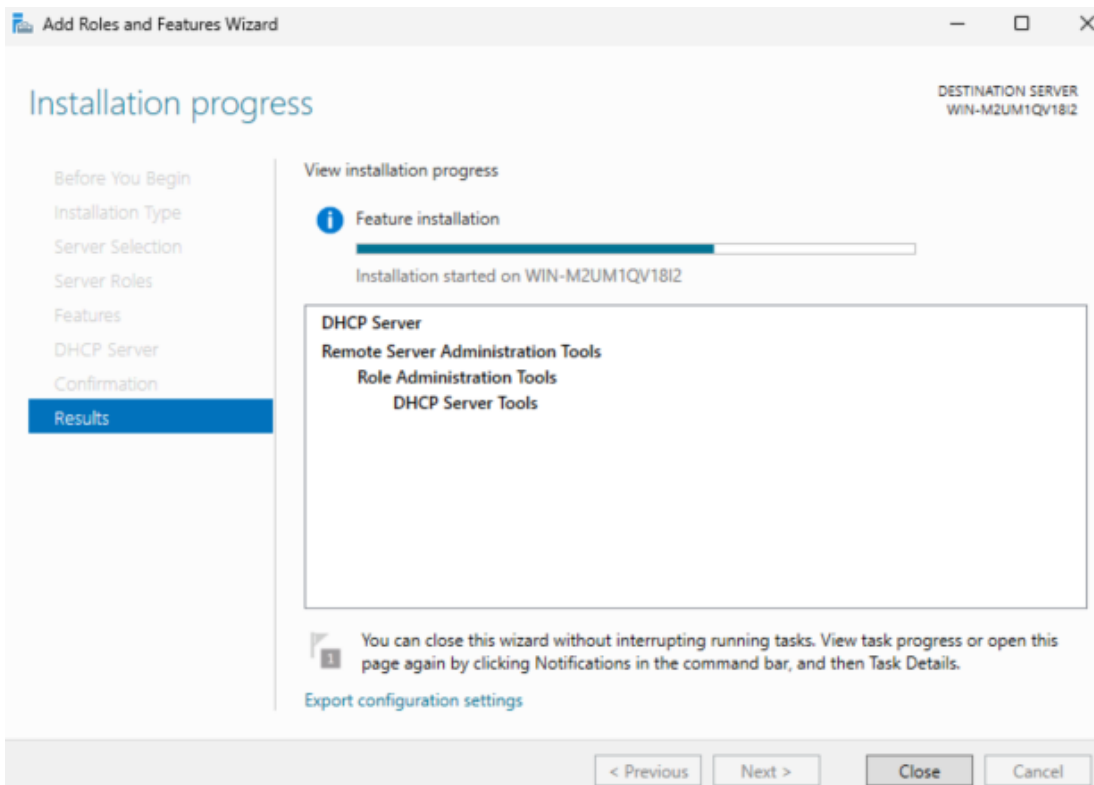
Pas de feature nécessaire, ignorer cette étape et faire '**Next**'.



Les étapes suivantes sont juste un récapitulatif, faire '**Next**'. Puis '**Install**'.

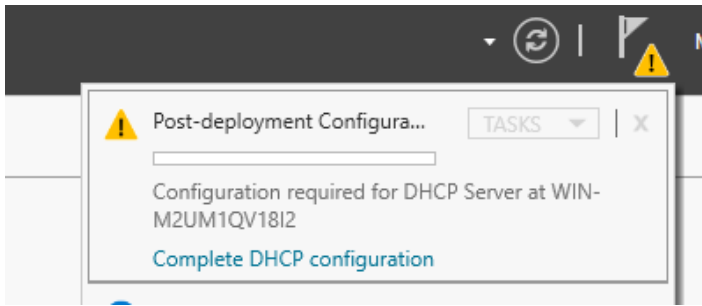


Attendre la fin de l'installation.

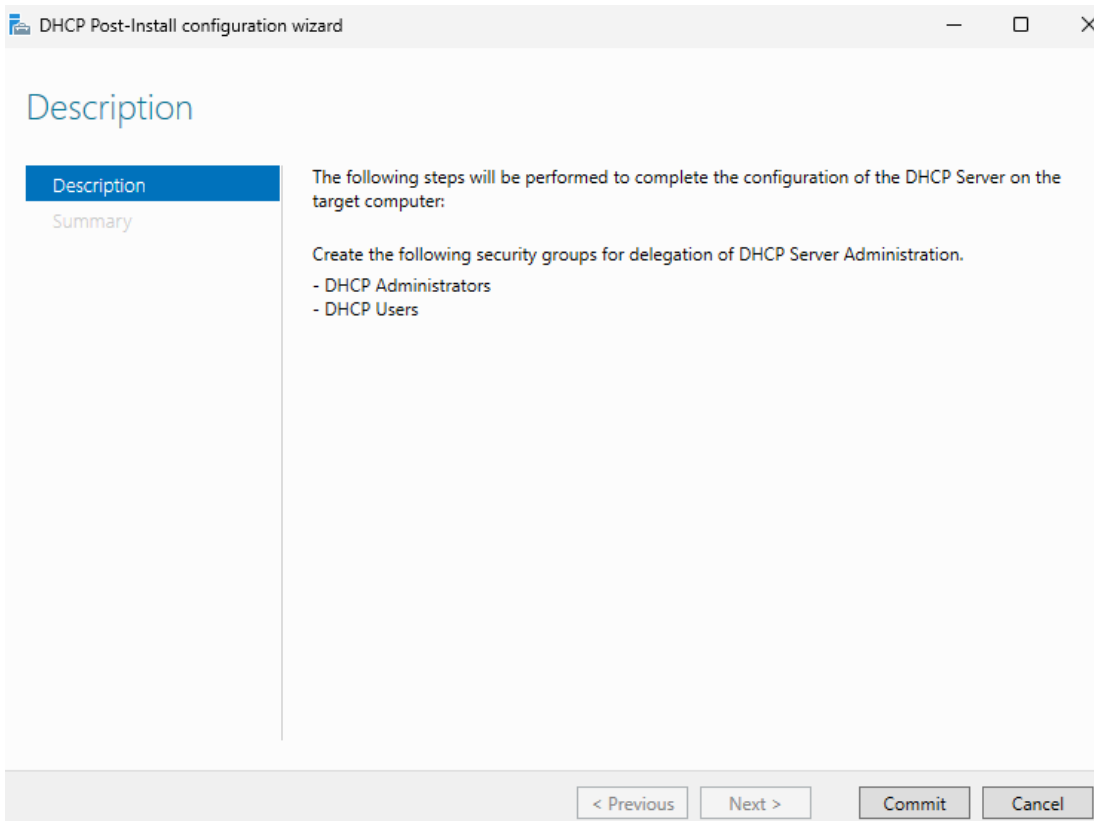


A la fin du processus, il faudra activer le serveur DHCP.

Dans le serveur manager, cliquer le le drapeau en haut à droite et lancer l'assistant en cliquant sur '**Complete DHCP configuration**'.



Sur l'assistant, cliquer simplement sur '**commit**'.

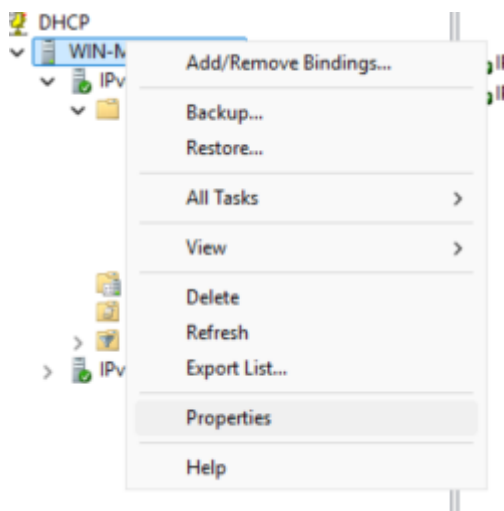


Puis faire '**Close**'.

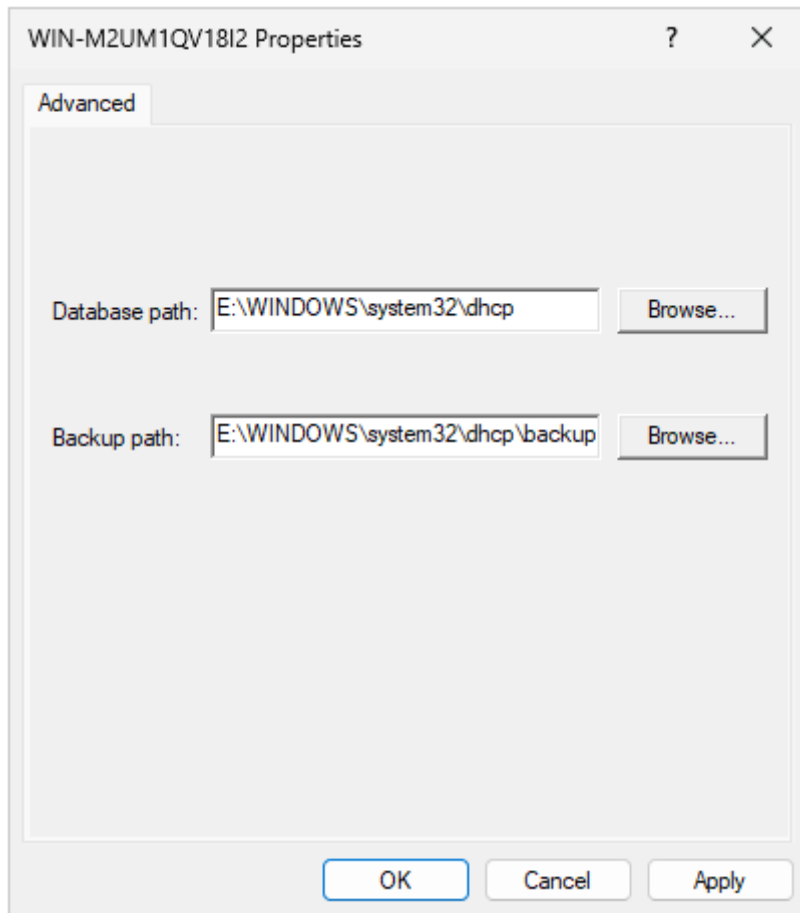
Optionnel - Bonne pratique

Comme tout rôle, il est conseillé de séparer le système des data du rôle.

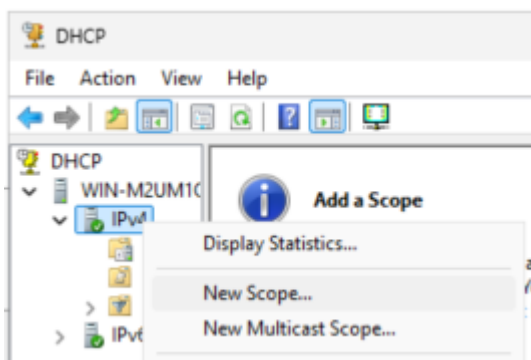
Pour cela, faire un clic droit sur le serveur, puis '**Properties**'.



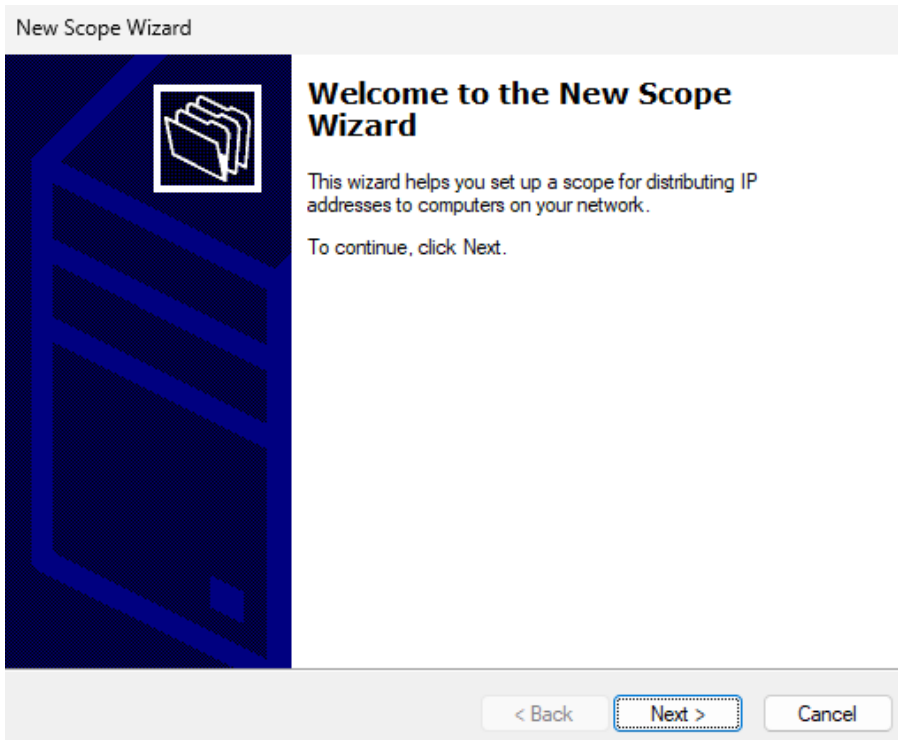
Sélectionner le chemin où seront stockés la base de données des adresses et les sauvegardes. Puis faire '**Apply**' et '**OK**'.



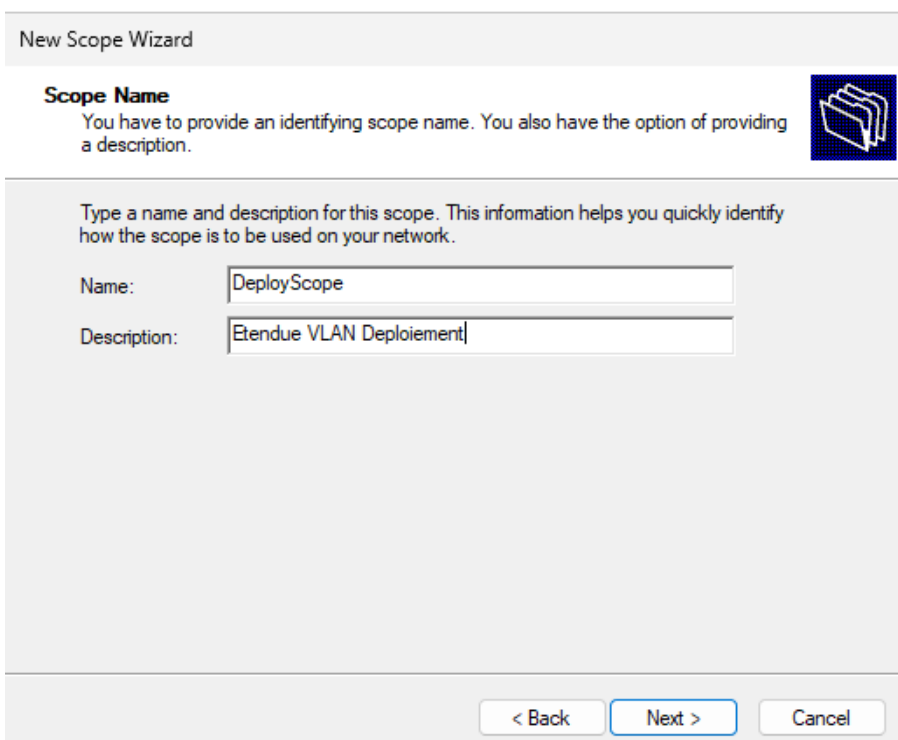
Déplier la section du serveur puis faire un clic droit sur '**IPv4**' et '**New scope**'



l'assistant de création d'étendue démarre, faire '**Next**'.



Entrer un nom et une description pour le scope. Puis faire '**Next**'.

The image shows the 'New Scope Wizard' window at the 'Scope Name' step. The title bar says 'New Scope Wizard'. On the left, it says 'Scope Name' and 'You have to provide an identifying scope name. You also have the option of providing a description.' To the right is a folder icon. Below this, it says 'Type a name and description for this scope. This information helps you quickly identify how the scope is to be used on your network.' There are two text input fields: 'Name:' with the value 'DeployScope' and 'Description:' with the value 'Etendue VLAN Deploiment'. At the bottom right, there are three buttons: '< Back', 'Next >' (highlighted with a blue border), and 'Cancel'.

Entrer l'ip de début de plage et l'ip de fin de plage, le masque, faire '**Next**'.

New Scope Wizard

Si l'on souhaite ajo

IP Address Range

You define the scope address range by identifying a set of consecutive IP addresses.



Configuration settings for DHCP Server

Enter the range of addresses that the scope distributes.

Start IP address: 192 . 168 . 120 . 10

End IP address: 192 . 168 . 120 . 20

Configuration settings that propagate to DHCP Client

Length: 24

Subnet mask: 255 . 255 . 255 . 0

< Back

Next >

Cancel

Sinon, faire 'Next'.

New Scope Wizard

Add Exclusions and Delay

Exclusions are addresses or a range of addresses that are not distributed by the server. A delay is the time duration by which the server will delay the transmission of a DHCP OFFER message.



Type the IP address range that you want to exclude. If you want to exclude a single address, type an address in Start IP address only.

Start IP address: End IP address:

.

.

Add

Excluded address range:

Remove

Subnet delay in milli second:

0

< Back

Next >

Cancel

Sélectionner la durée du lease. Puis faire 'Next'.

New Scope Wizard

Lease Duration

The lease duration specifies how long a client can use an IP address from this scope.

Lease durations should typically be equal to the average time the computer is connected to the same physical network. For mobile networks that consist mainly of portable computers or dial-up clients, shorter lease durations can be useful. Likewise, for a stable network that consists mainly of desktop computers at fixed locations, longer lease durations are more appropriate.

Set the duration for scope leases when distributed by this server.

Limited to:

Days: Hours: Minutes:

< Back Next > Cancel

Comme il va falloir configurer les autres options de toute façon, laisser le choix par défaut et faire '**Next**'.

New Scope Wizard

Configure DHCP Options

You have to configure the most common DHCP options before clients can use the scope.

When clients obtain an address, they are given DHCP options such as the IP addresses of routers (default gateways), DNS servers, and WINS settings for that scope.

The settings you select here are for this scope and override settings configured in the Server Options folder for this server.

Do you want to configure the DHCP options for this scope now?

☒ Yes, I want to configure these options now

☐ No, I will configure these options later

< Back Next > Cancel

Entrer l'adresse du ou des routeurs puis cliquer sur '**Add**' pour les ajouter à la liste. Une fois terminé, cliquer sur '**Next**'.

New Scope Wizard

Router (Default Gateway)
You can specify the routers, or default gateways, to be distributed by this scope.

To add an IP address for a router used by clients, enter the address below.

IP address:

192.168.201.254

Add Remove Up Down

< Back Next > Cancel

De la même manière, entrer le domaine et les serveurs DNS et faire '**Next**'.

New Scope Wizard

Domain Name and DNS Servers
The Domain Name System (DNS) maps and translates domain names used by clients on your network.

You can specify the parent domain you want the client computers on your network to use for DNS name resolution.

Parent domain: int.mfrstegreve.fr

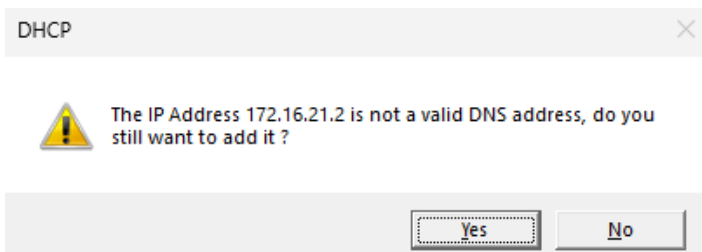
To configure scope clients to use DNS servers on your network, enter the IP addresses for those servers.

Server name:	IP address:
	172.16.21.1
	172.16.21.2

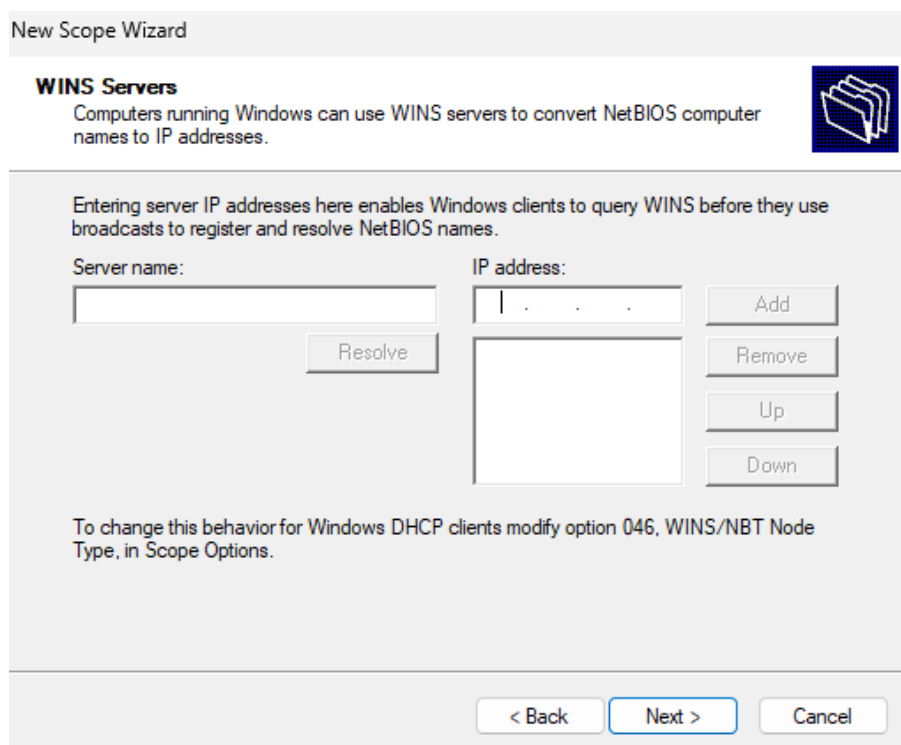
Resolve Add Remove Up Down

< Back Next > Cancel

Note : Le message suivant peut apparaître, si vous êtes certains de ce que vous faites, vous pouvez l'ignorer.



(optionnel) Si il faut ajouter des serveurs WINS, il est possibles de les ajouter à cette étape, puis faire '**Next**'.



Laisser le bouton radio '**Yes, I want to activate this scope now**' coché et faire '**Next**'.

New Scope Wizard

Activate Scope
Clients can obtain address leases only if a scope is activated.



Do you want to activate this scope now?

☒ Yes, I want to activate this scope now

☐ No, I will activate this scope later

< Back Next > Cancel

Cliquer sur '**Finish**'.

New Scope Wizard



Completing the New Scope Wizard

You have successfully completed the New Scope wizard.

To provide high availability for this scope, configure failover for the newly added scope by right clicking on the scope and clicking on configure failover.

To close this wizard, click Finish.

< Back Finish Cancel

Pour terminer, vérifier que le scope est bien créé et que les options sont correctes.

DHCP

FileActionViewHelp

DHCP

WIN-M2UM1QV18I2

IPv4

Scope [192.168.120.0] DeployScope

Address Pool

Address Leases

Reservations

Scope Options

Policies

Server Options

Policies

Filters

IPv6

Contents of DHCP Server

	Status	Description	Failover Relationship
Scope [192.168.120.0] DeployScope	** Active **	Etendue VLAN Deploiement	
Server Options			
Policies			
Filters			