

Cours Windows WSUS

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Qu'est-ce que WSUS ?

WSUS (Windows Server Update Services) est un outil de gestion des mises à jour développé par Microsoft. Il permet de déployer et de gérer les mises à jour pour les systèmes d'exploitation Windows et d'autres produits Microsoft au sein d'un réseau.

Objectifs principaux :

- Centraliser la gestion des mises à jour.
- Réduire la bande passante en téléchargeant les mises à jour une seule fois pour l'ensemble du réseau.
- Garantir la conformité et la sécurité des systèmes en déployant des correctifs critiques.

Fonctionnement de WSUS :

1. Le serveur WSUS télécharge les mises à jour depuis Microsoft Update.
2. Les administrateurs approuvent ou refusent les mises à jour via la console WSUS.
3. Les clients Windows se connectent au serveur WSUS pour récupérer les mises à jour approuvées.

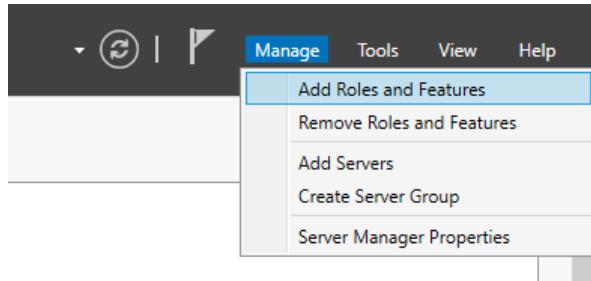
Avantages de WSUS :

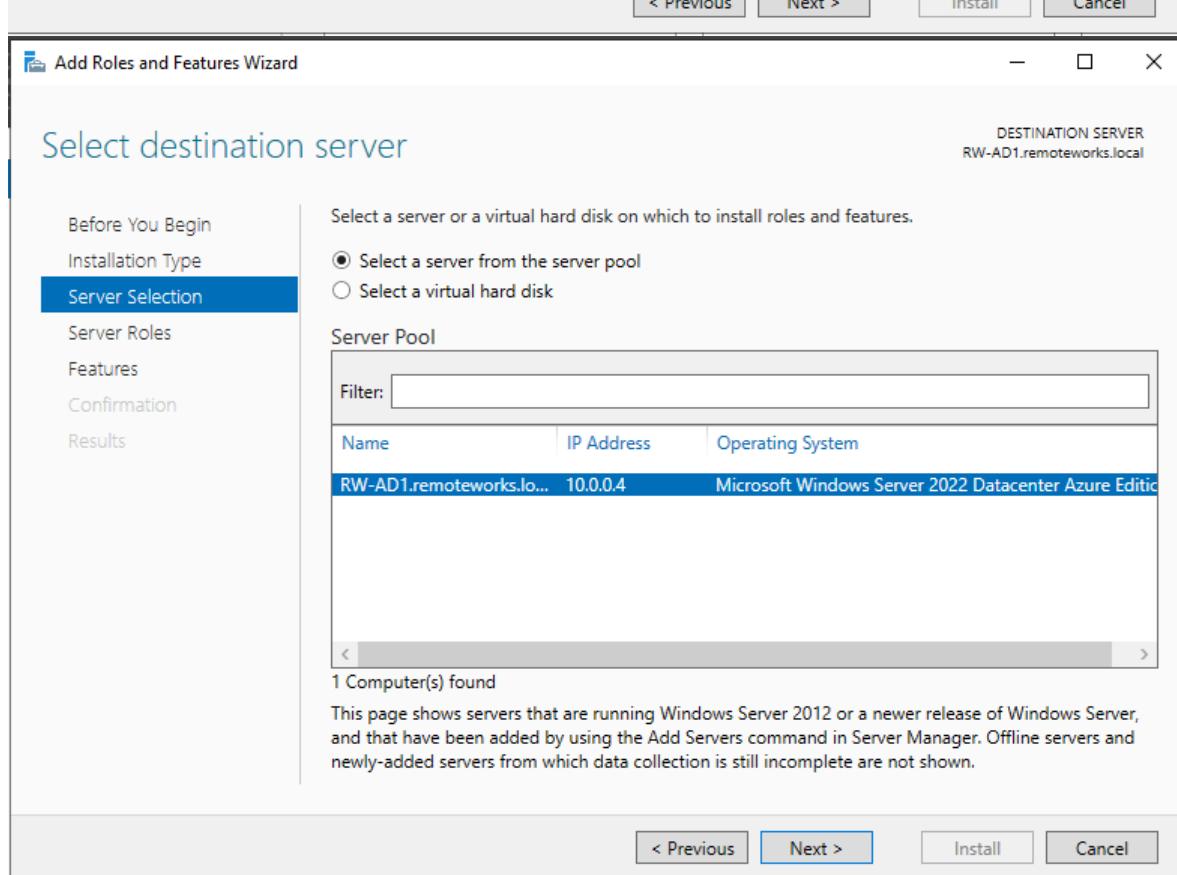
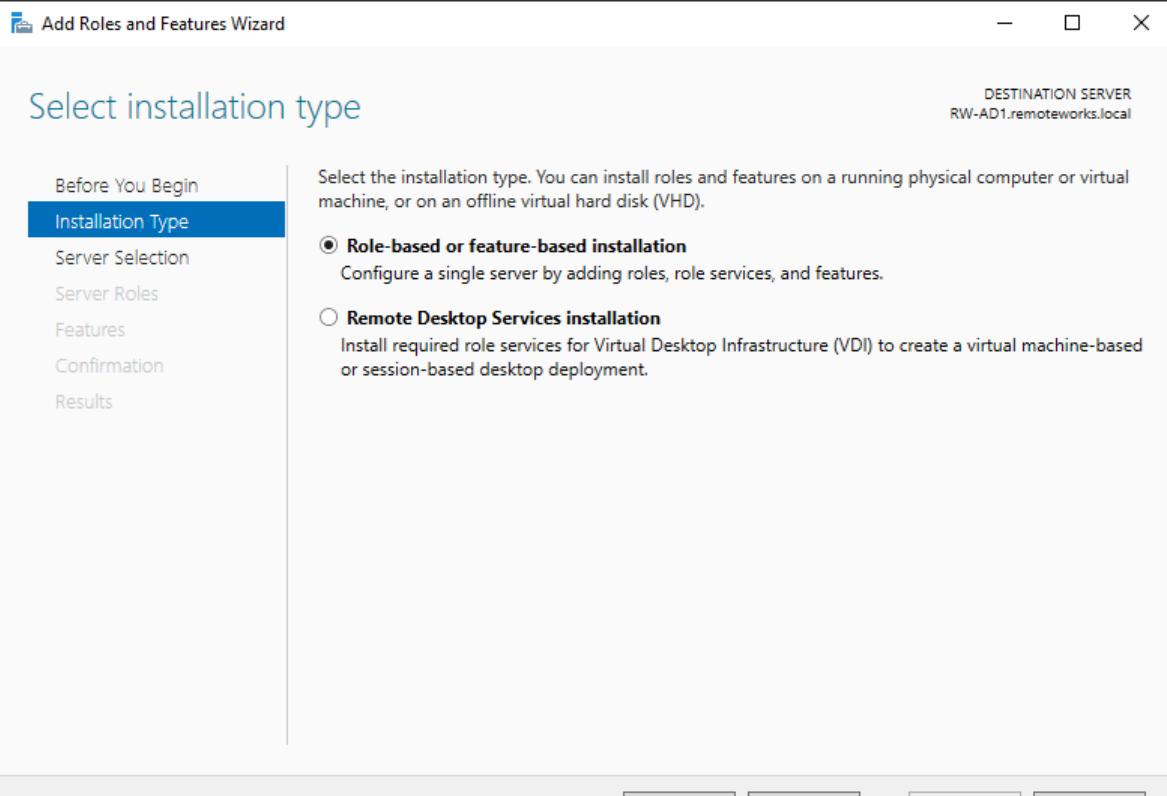
- **Contrôle total** sur les mises à jour déployées.
- **Réduction des interruptions** grâce à une planification adaptée.
- **Optimisation des ressources réseau.**
- **Conformité** aux exigences de sécurité de l'organisation.

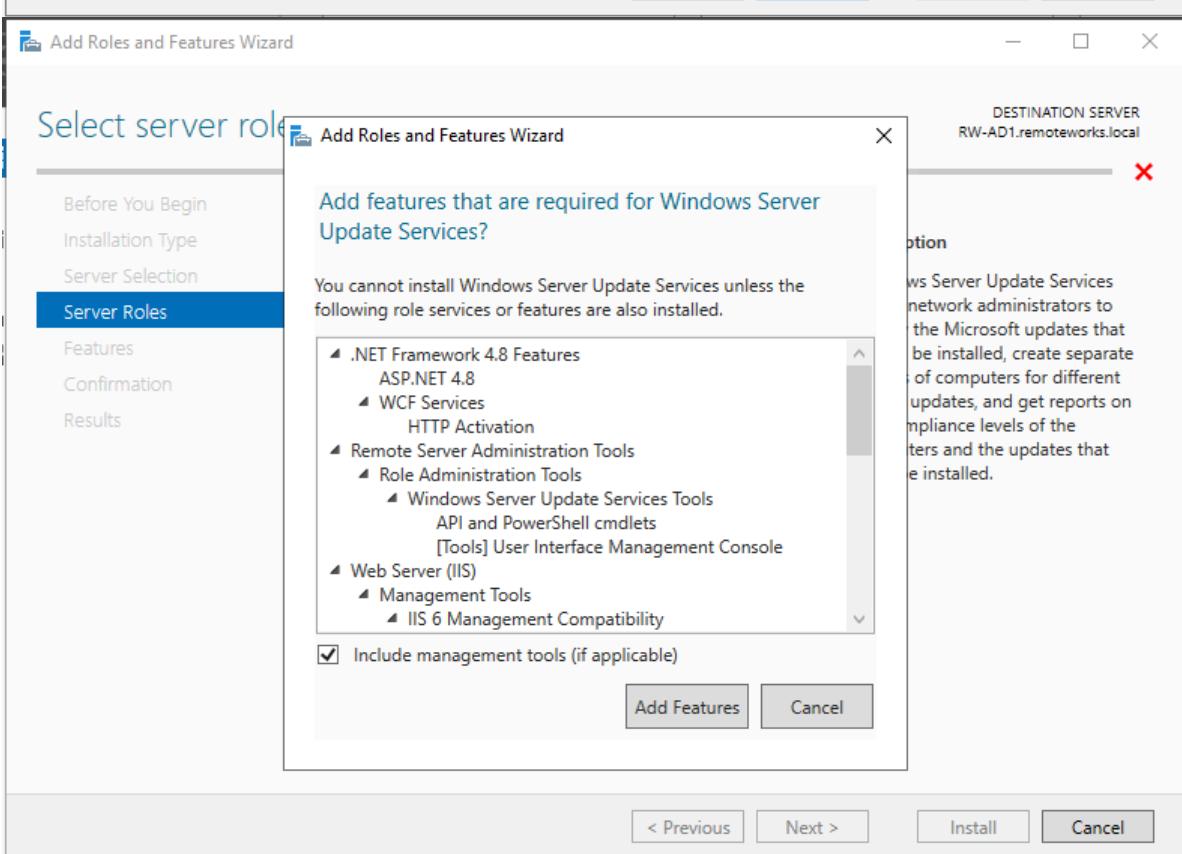
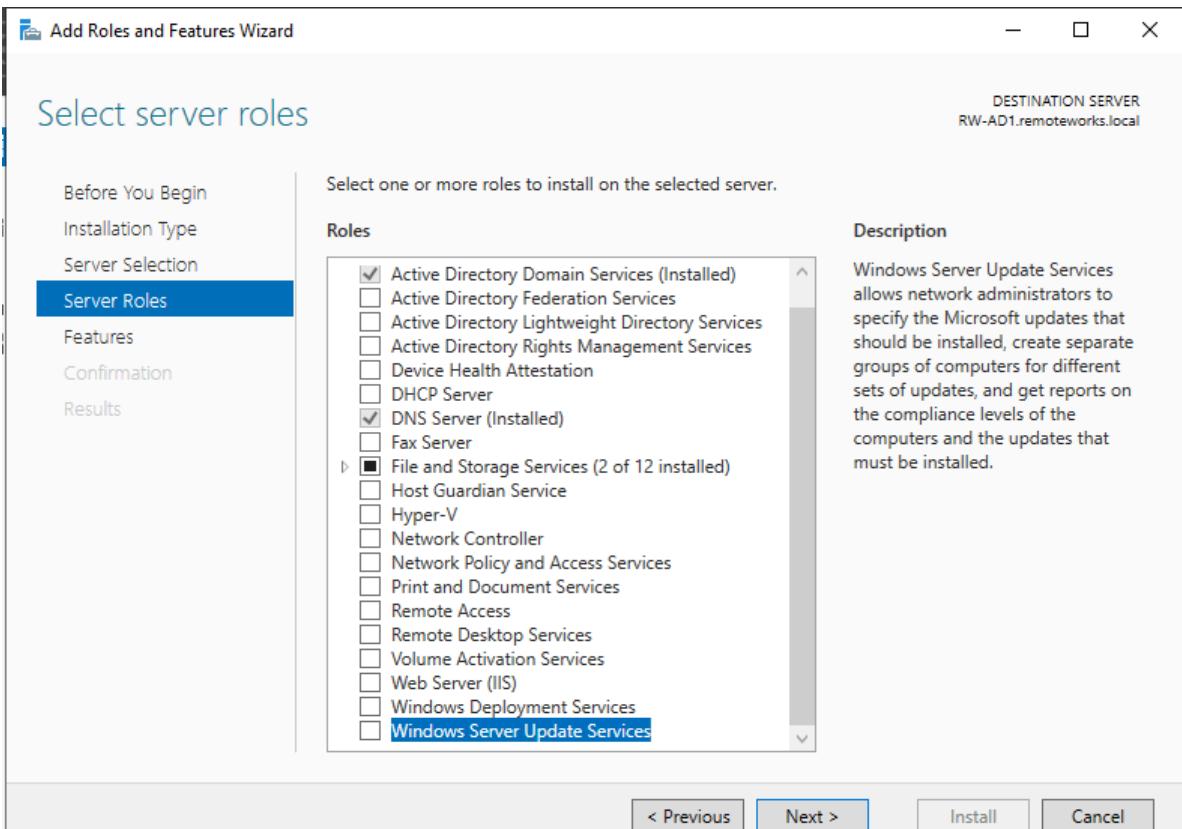
Installation de WSUS

C'est un rôle de windows server. Nous allons donc l'installer comme tel.

Dans le Server Manager

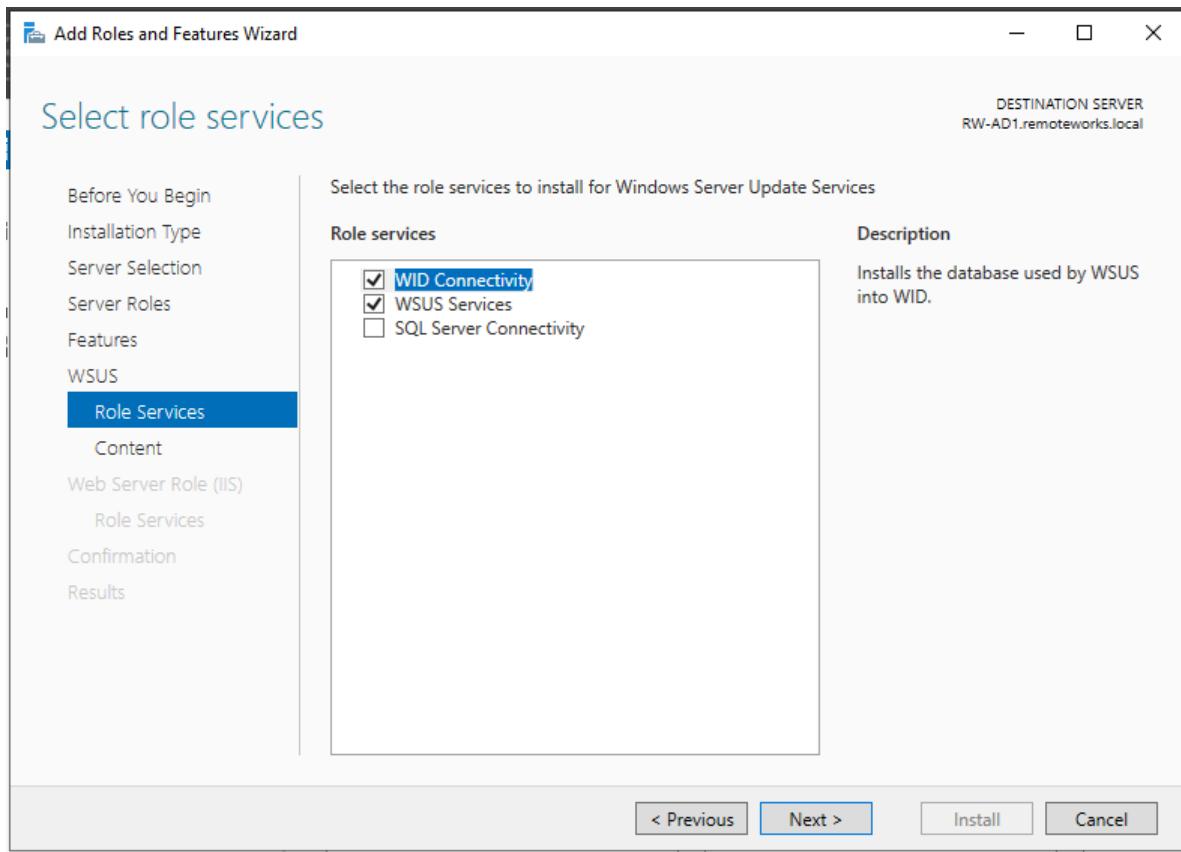






Next

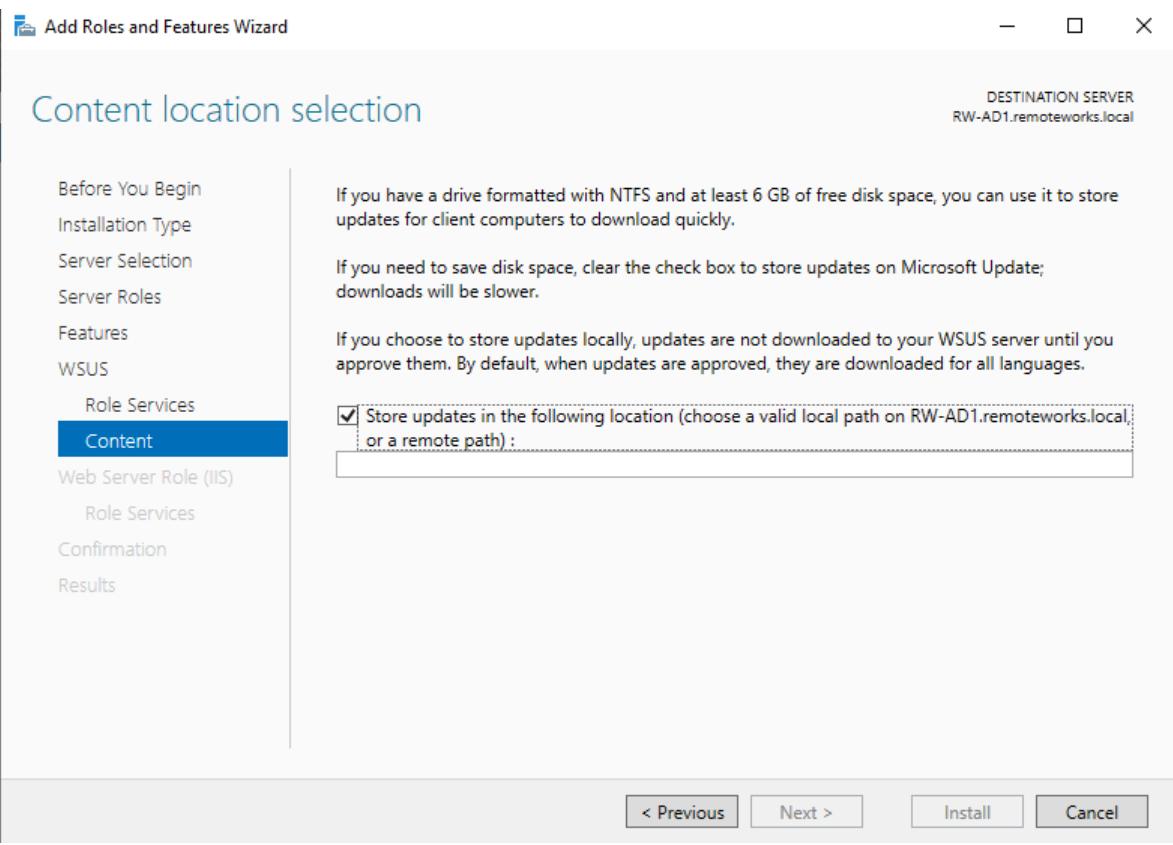
Puis Next



Note

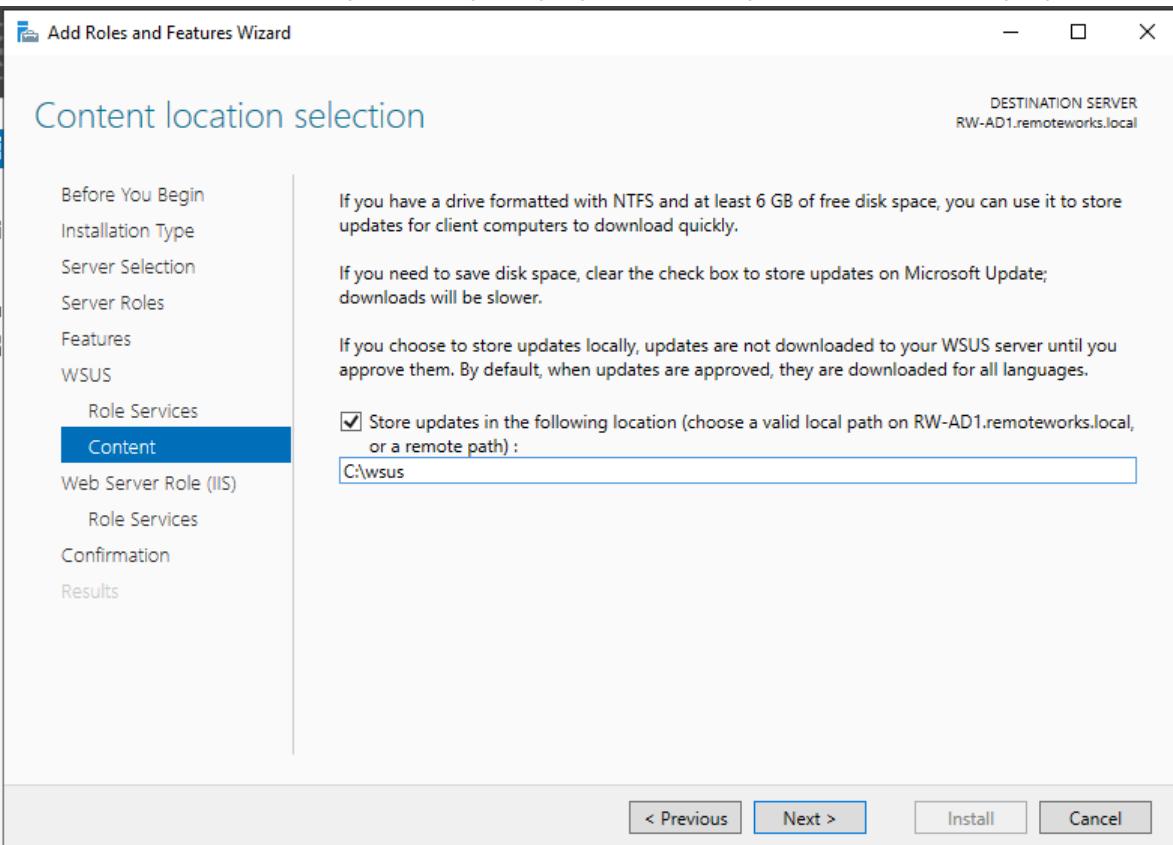
Pourquoi utiliser MSSQL avec WSUS ?

- **Gestion des grandes infrastructures :**
MSSQL est plus performant pour les environnements avec un grand nombre de clients (plus de 10 000 appareils), car il offre une meilleure capacité de traitement et de gestion des données.
 - **Fonctionnalités avancées :**
Avec MSSQL, les administrateurs peuvent bénéficier de fonctionnalités avancées comme des rapports personnalisés, des sauvegardes plus flexibles, et une meilleure surveillance des performances.
 - **Centralisation des bases de données :**
Permet de regrouper plusieurs bases de données WSUS sur un serveur SQL unique, facilitant ainsi la gestion et la maintenance.
 - **Évolutivité :**
MSSQL permet de gérer des bases de données de grande taille, ce qui est essentiel pour les organisations en croissance.
- Scénarios recommandés pour MSSQL :**
- Lorsque l'organisation a déjà une instance MSSQL installée et optimisée.
 - Pour des réseaux étendus avec de nombreux sites et clients.
 - Si des fonctionnalités de reporting avancées sont nécessaires.

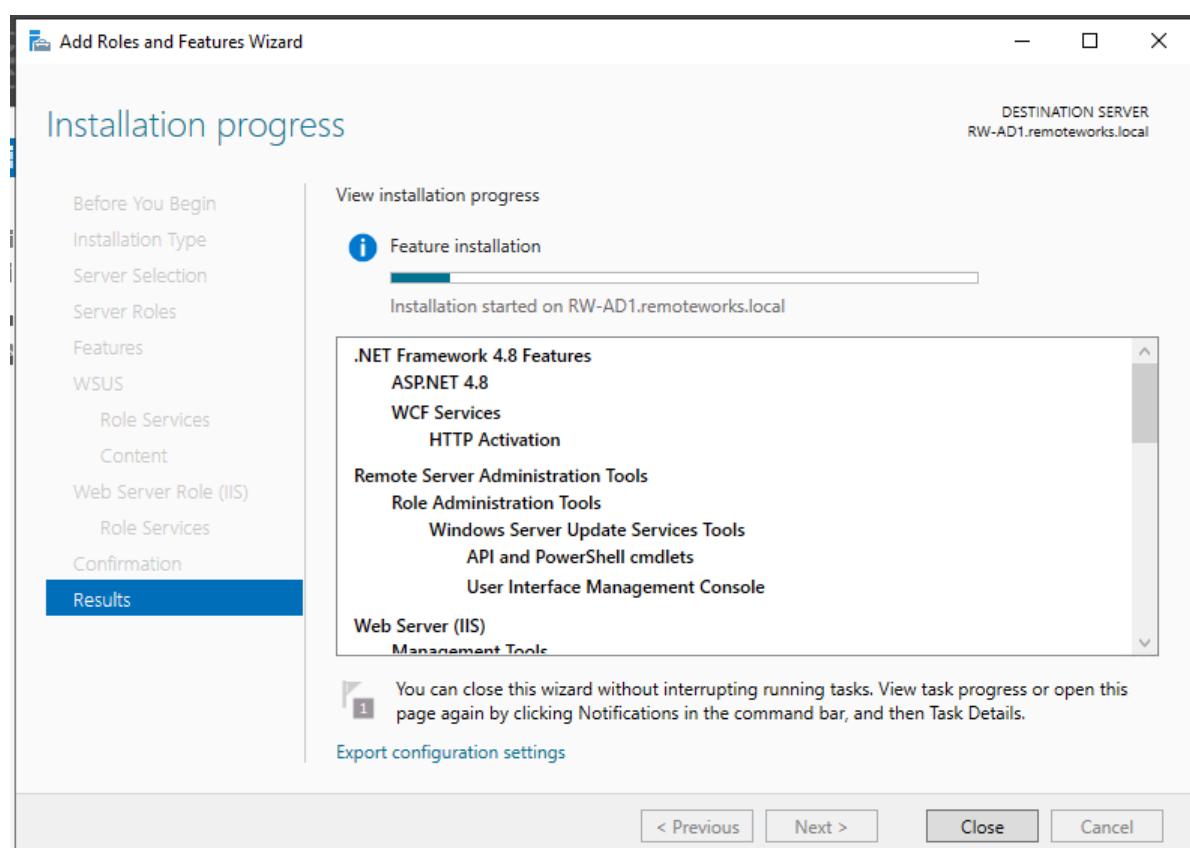
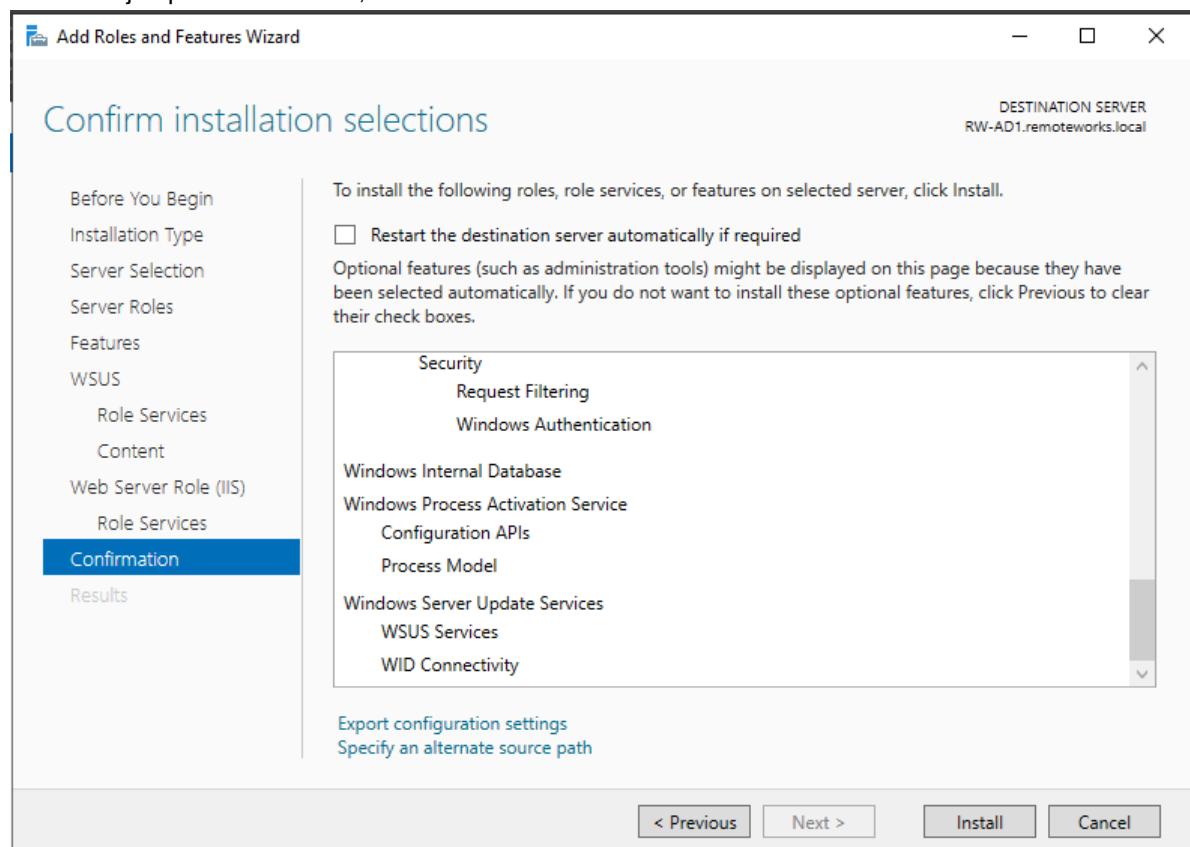


Je vais créer un dossier WSUS à la racine de c:\ puis le saisir dans le champs. C'est dans ce dossier que seront stocké les fichiers nécessaires.

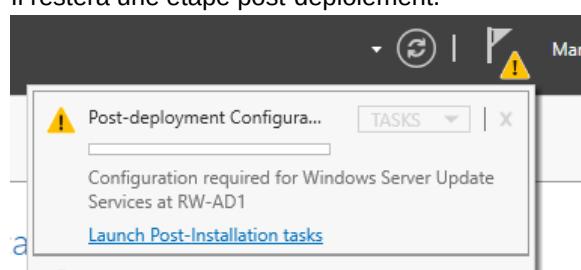
Idéalement mettez les sur une partition spécifique pour éviter les problèmes liés à un disque plein.



Puis Next jusqu'à la fin et enfin, Install.

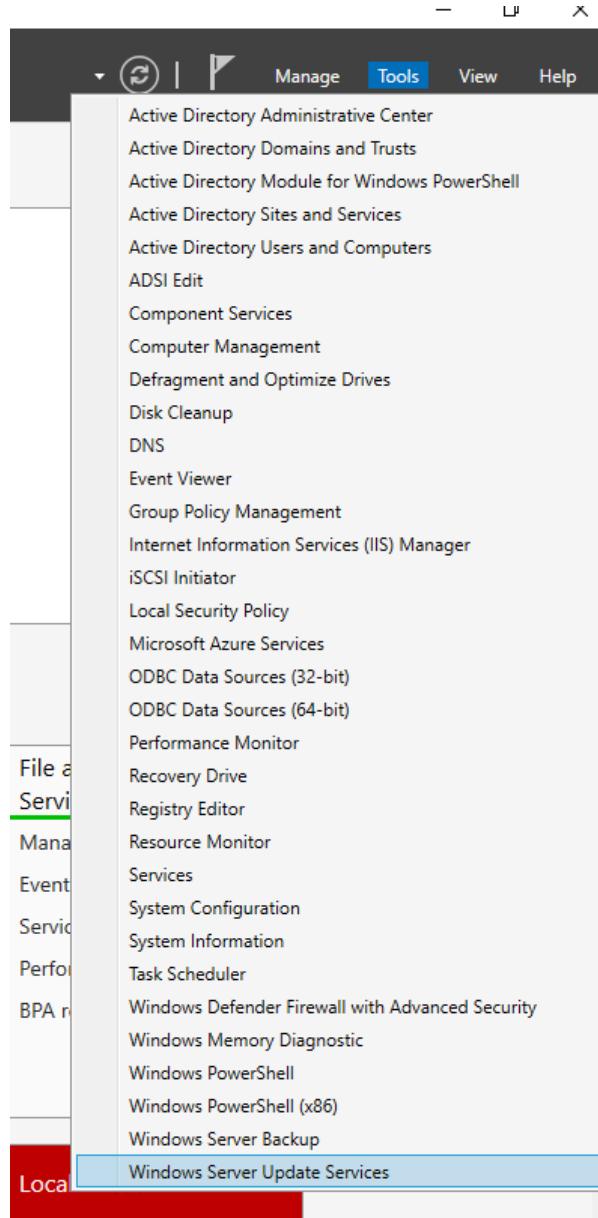


Il restera une étape post-déploiement.



C'est en théorie pas obligatoire, mais j'aime bien passer un petit reboot!

Configuration WSUS



 Windows Server Update Services Configuration Wizard:RW-AD1

 Before You Begin

Things you should do before starting this wizard

Before You Begin

 Before you begin:

- 1. Is the server firewall configured to allow clients to access the server?
- 2. Can this computer connect to the upstream server (such as Microsoft Update)?
- 3. Do you have user credentials for the proxy server, if needed?

Microsoft Update Improvement Program

Choose Upstream Server

Specify Proxy Server

Choose Languages

Choose Products

Choose Classifications

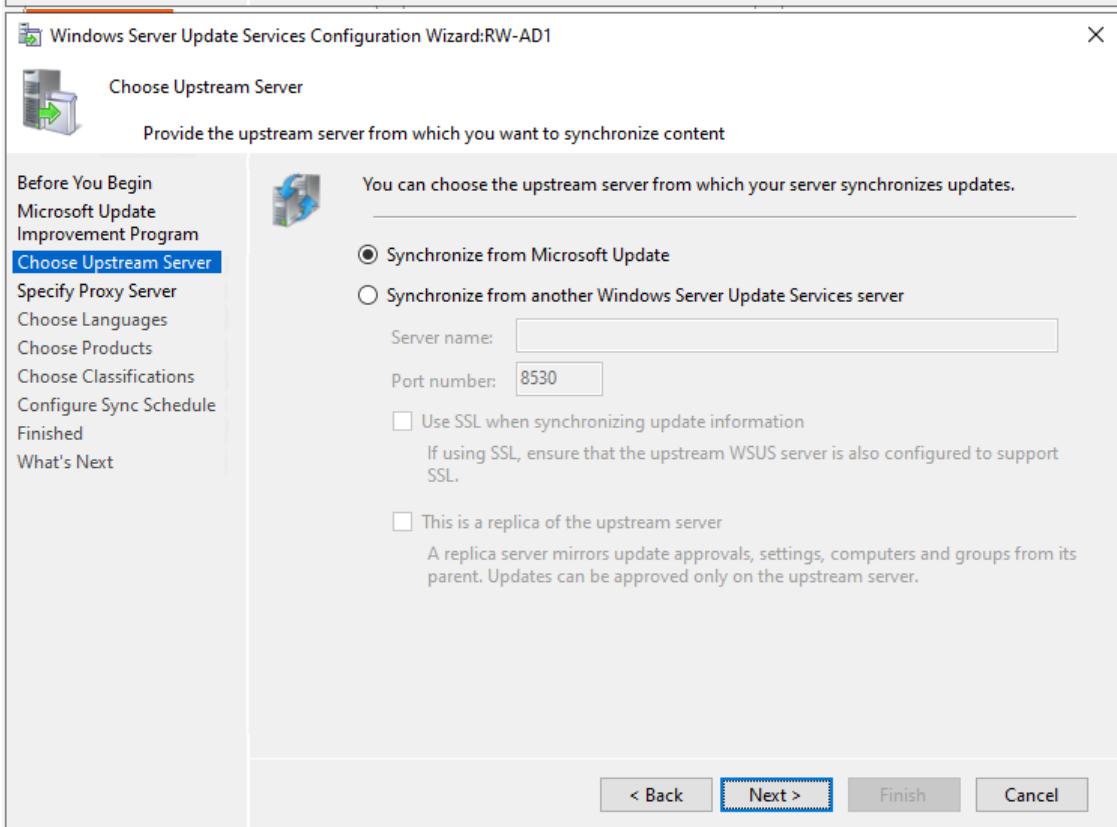
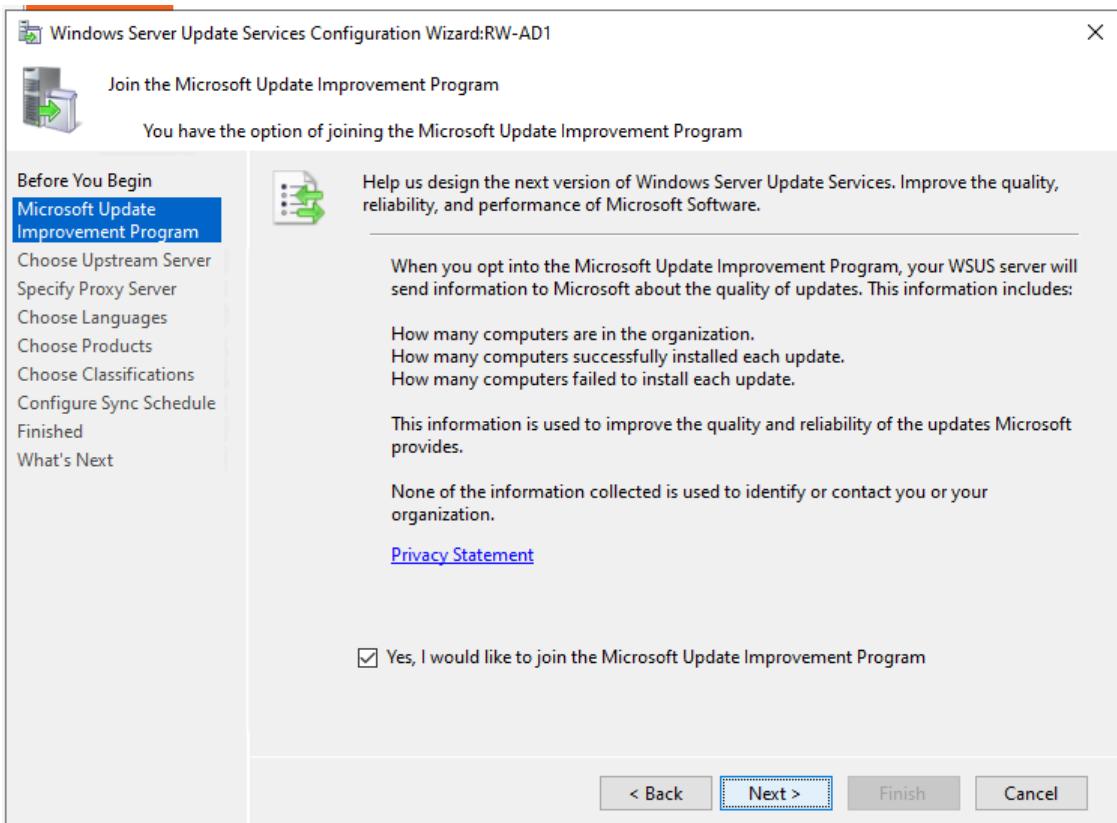
Configure Sync Schedule

Finished

What's Next

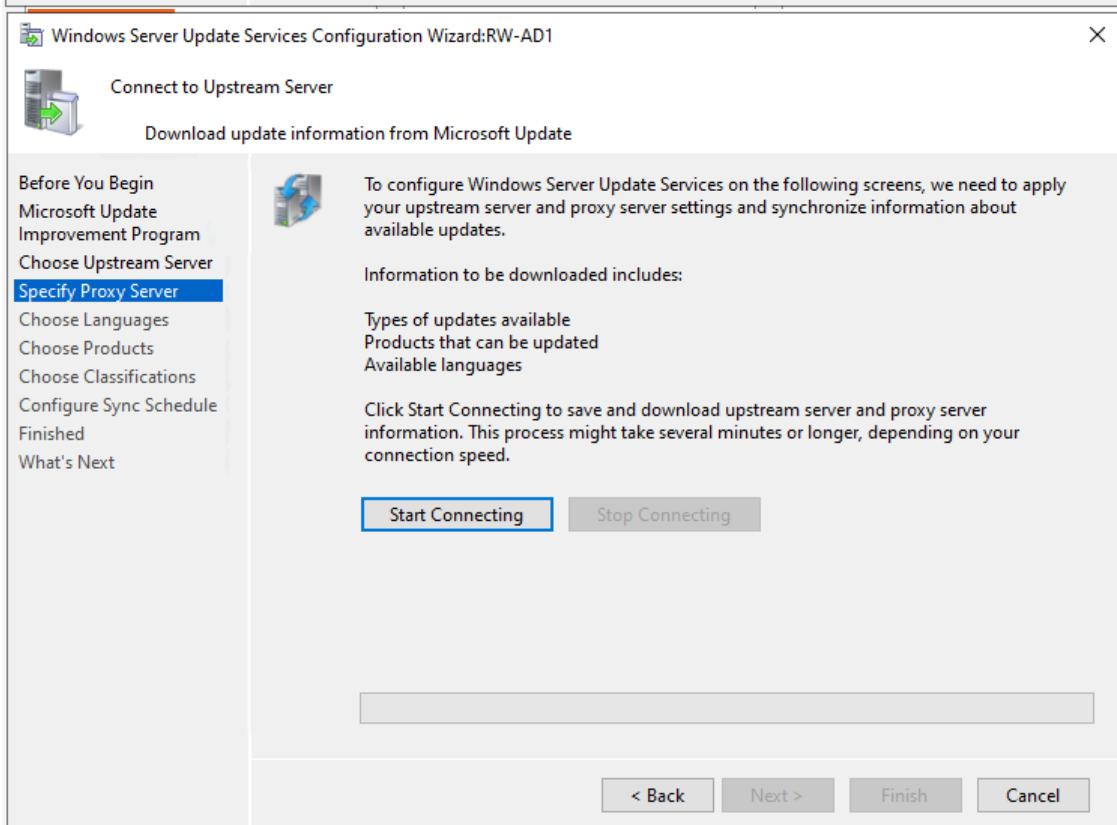
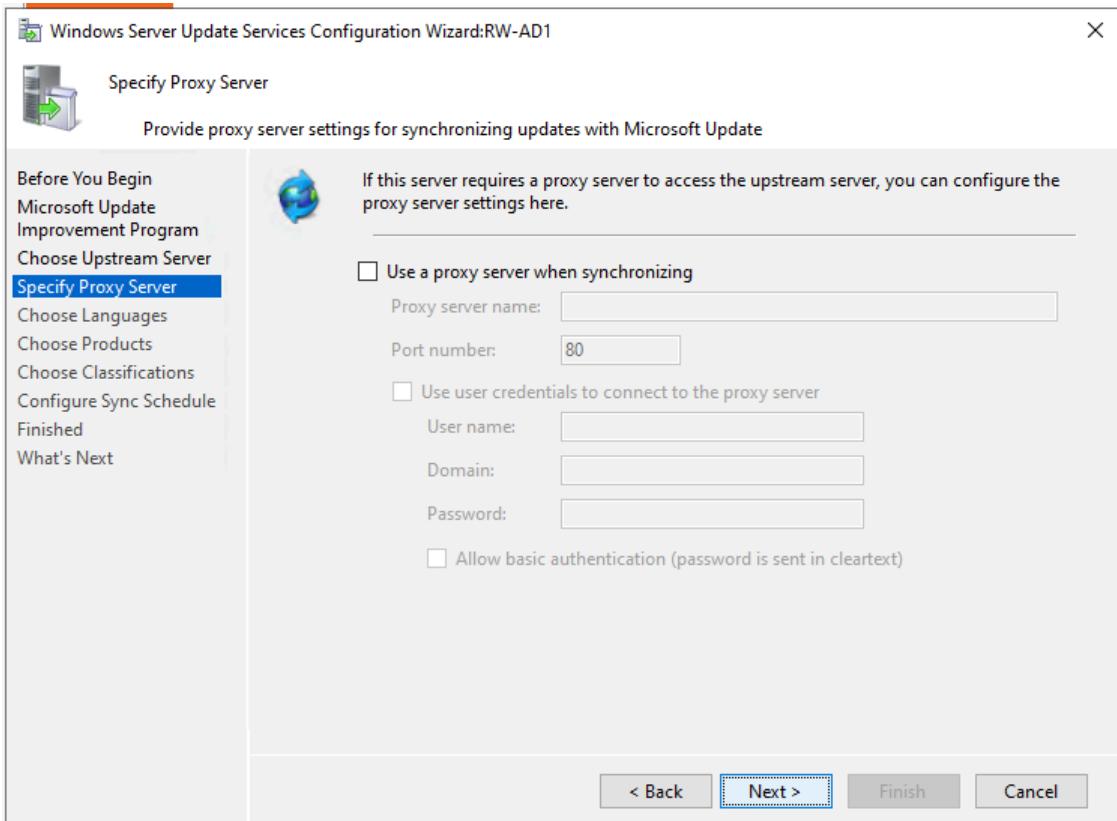
To run this wizard again, launch the WSUS Administration Snap-in and go to Options

< Back Next > Finish Cancel

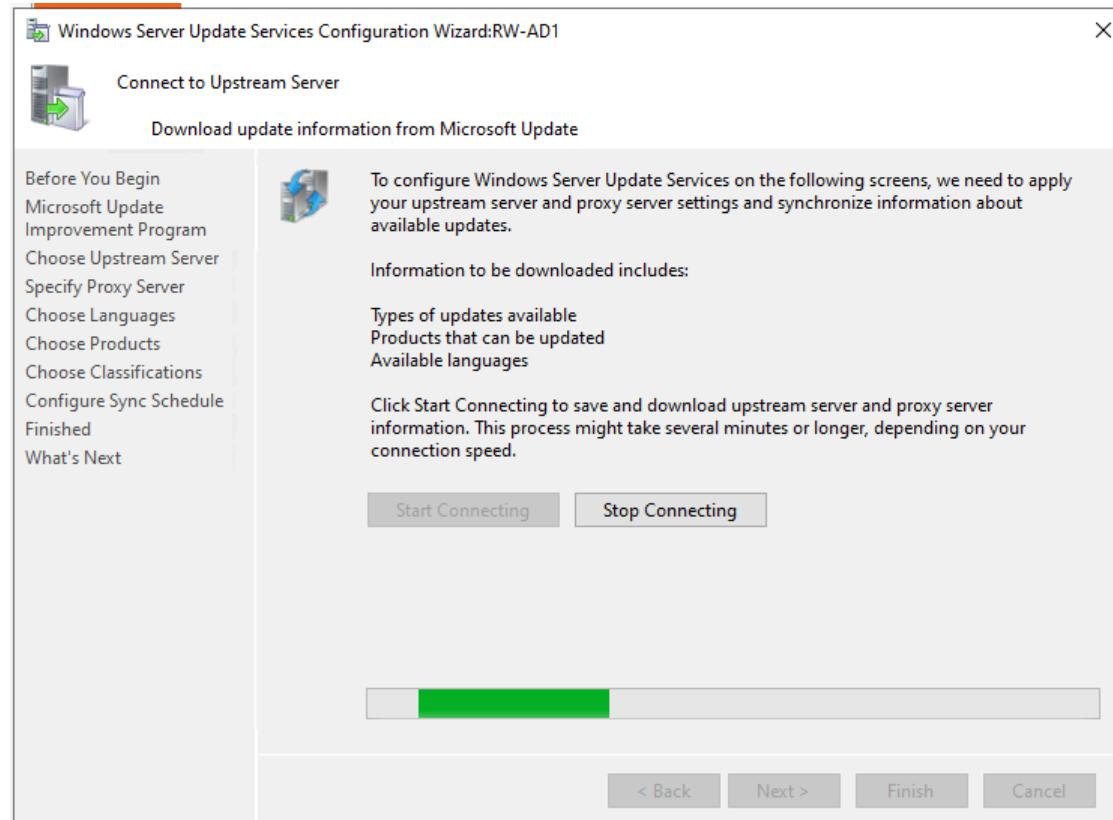


Note

Il est possible de choisir de se synchroniser avec un autre WSUS plutôt que le serveur officiel. Cela permet d'avoir plusieurs WSUS sur un réseau



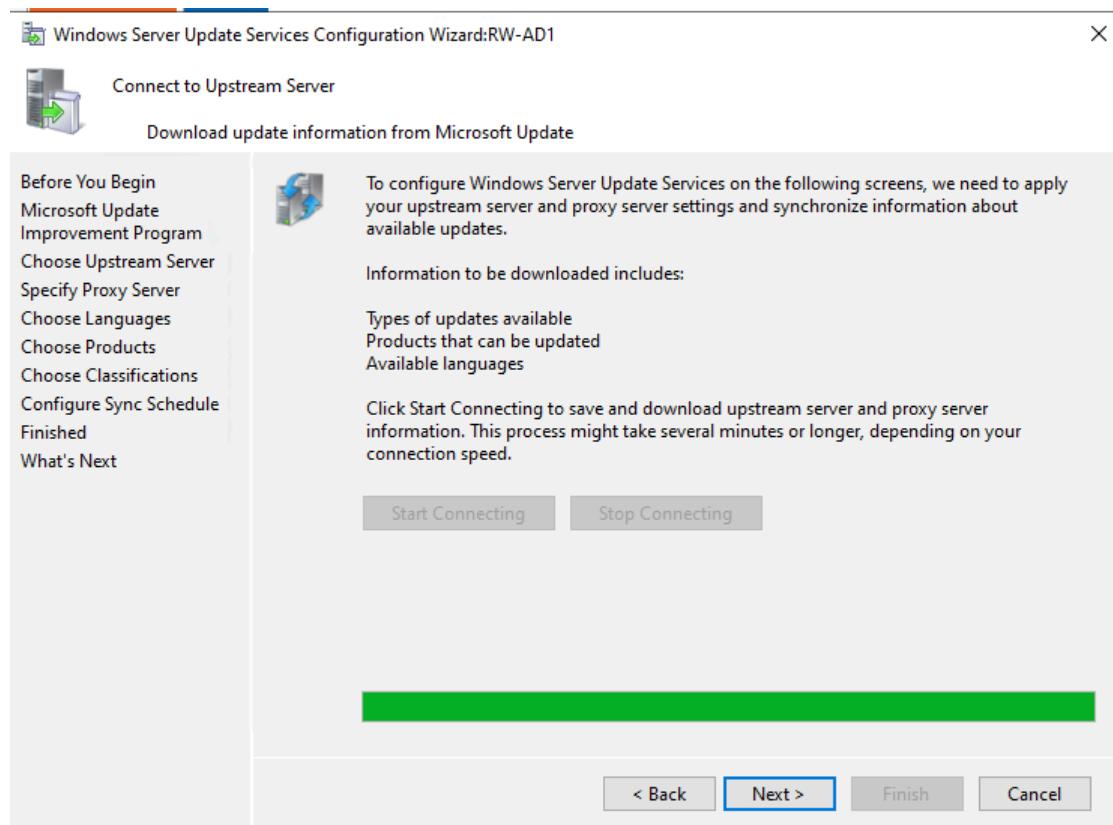
On click sur Start Connecting!



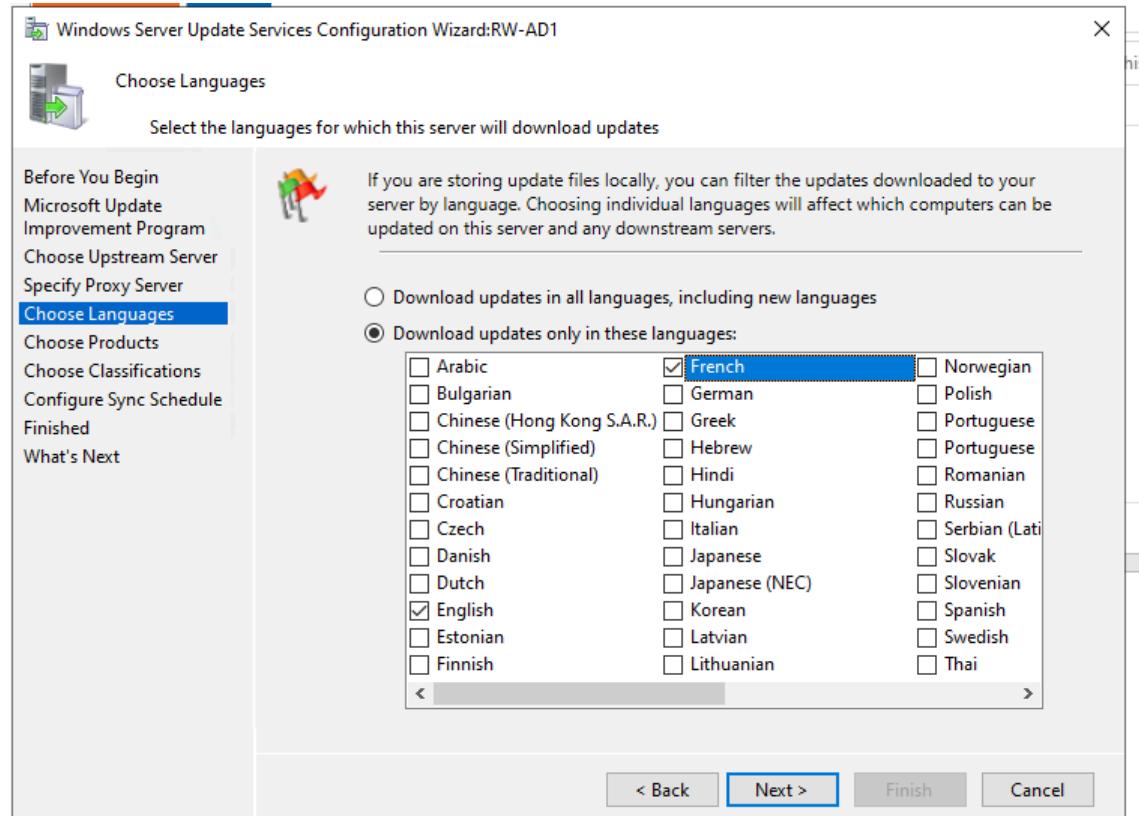
⚠ Warning

Cette opération est LONNNNGUE.

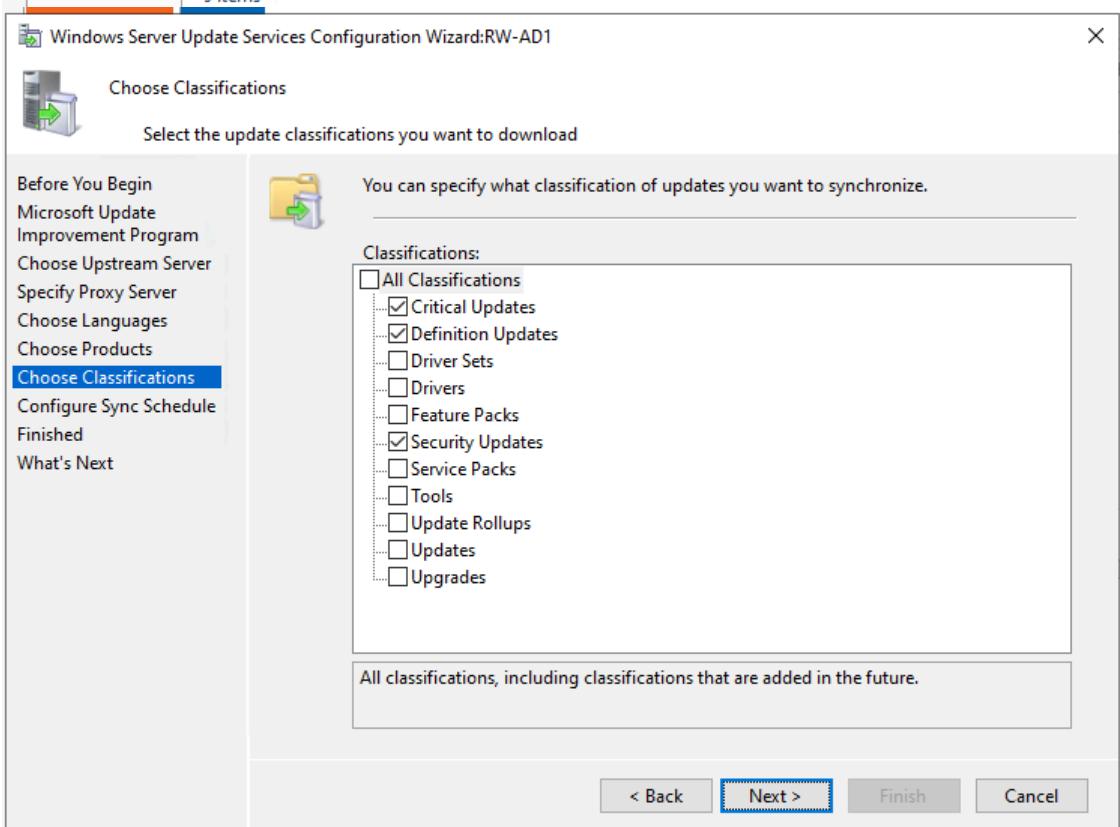
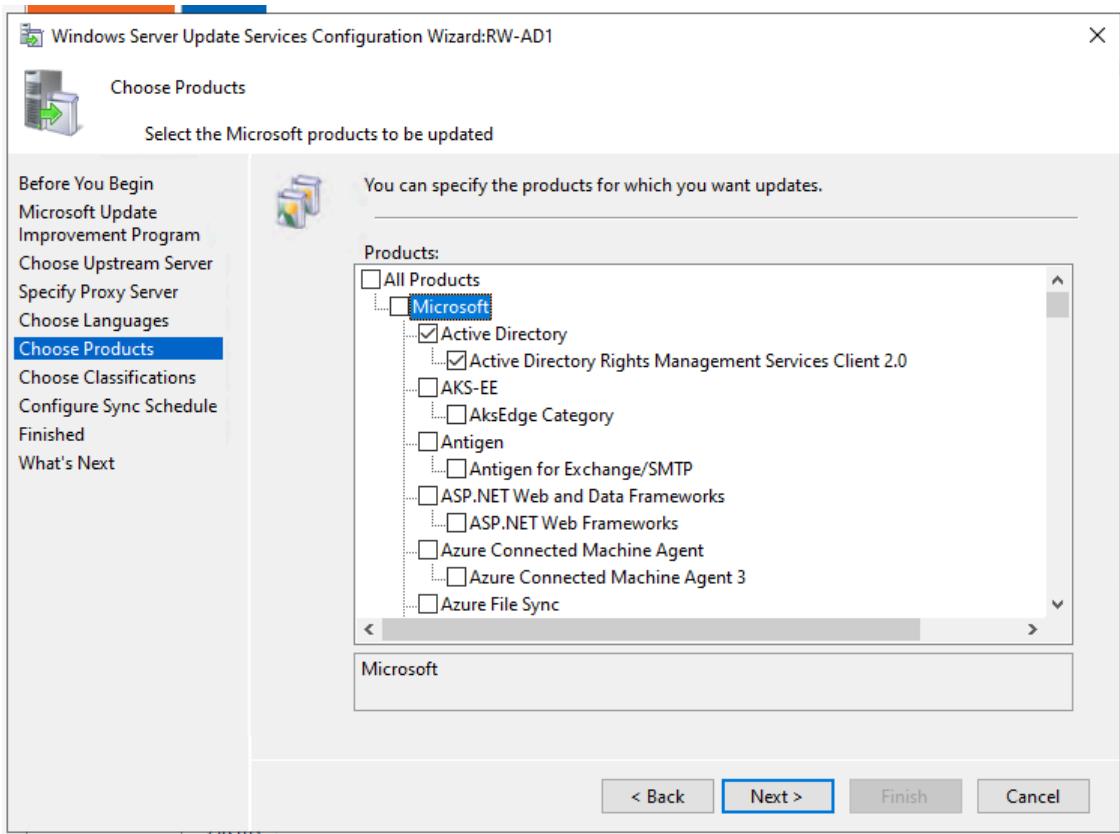
Vous avez le temps de prendre un café voir plus.

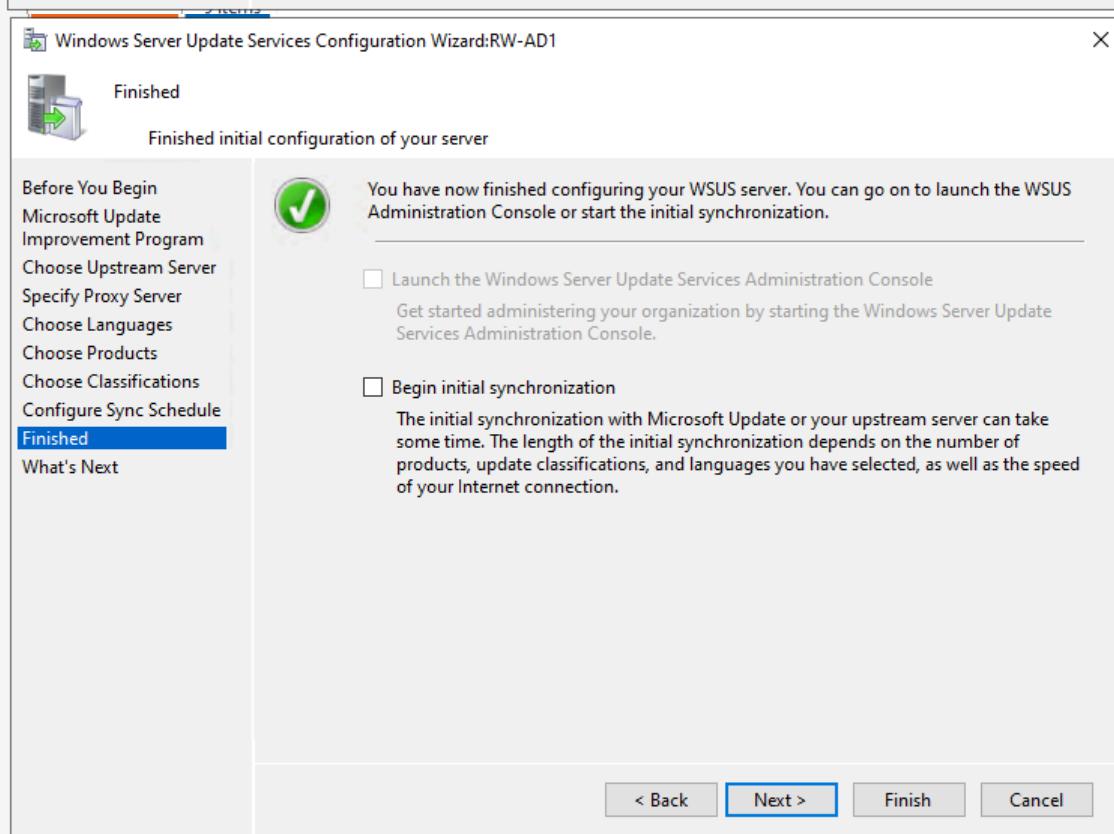
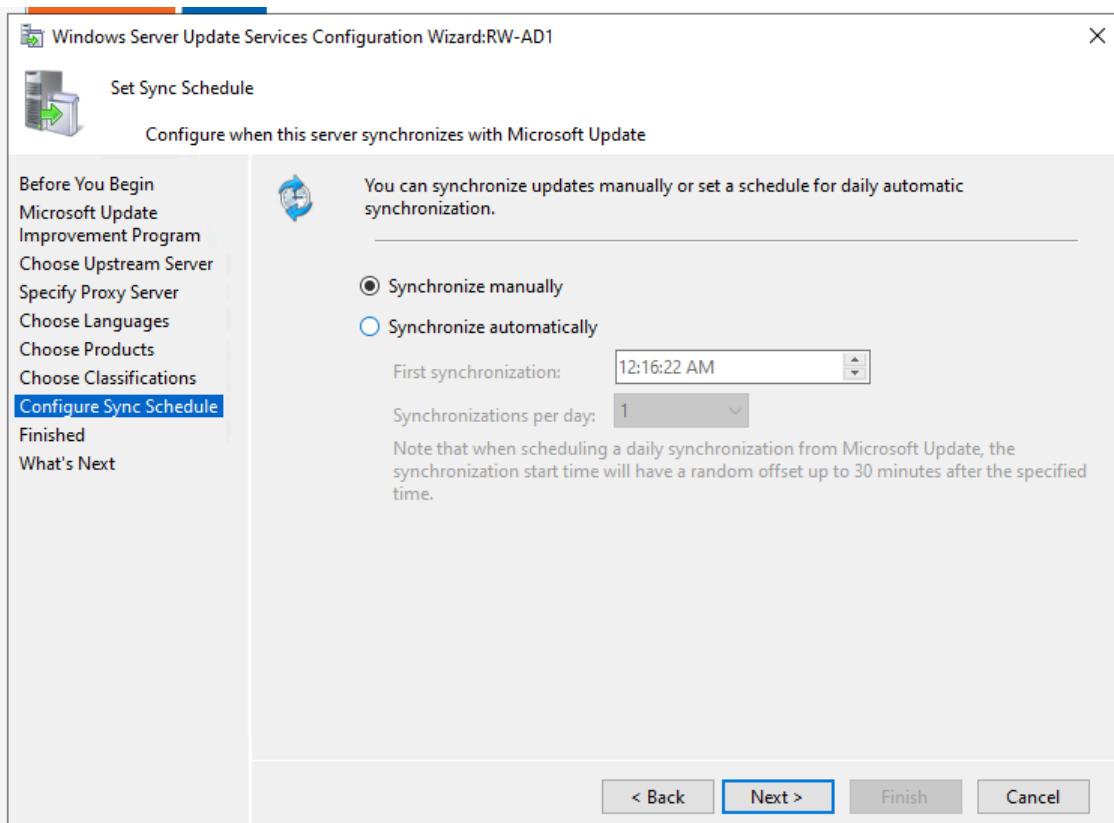


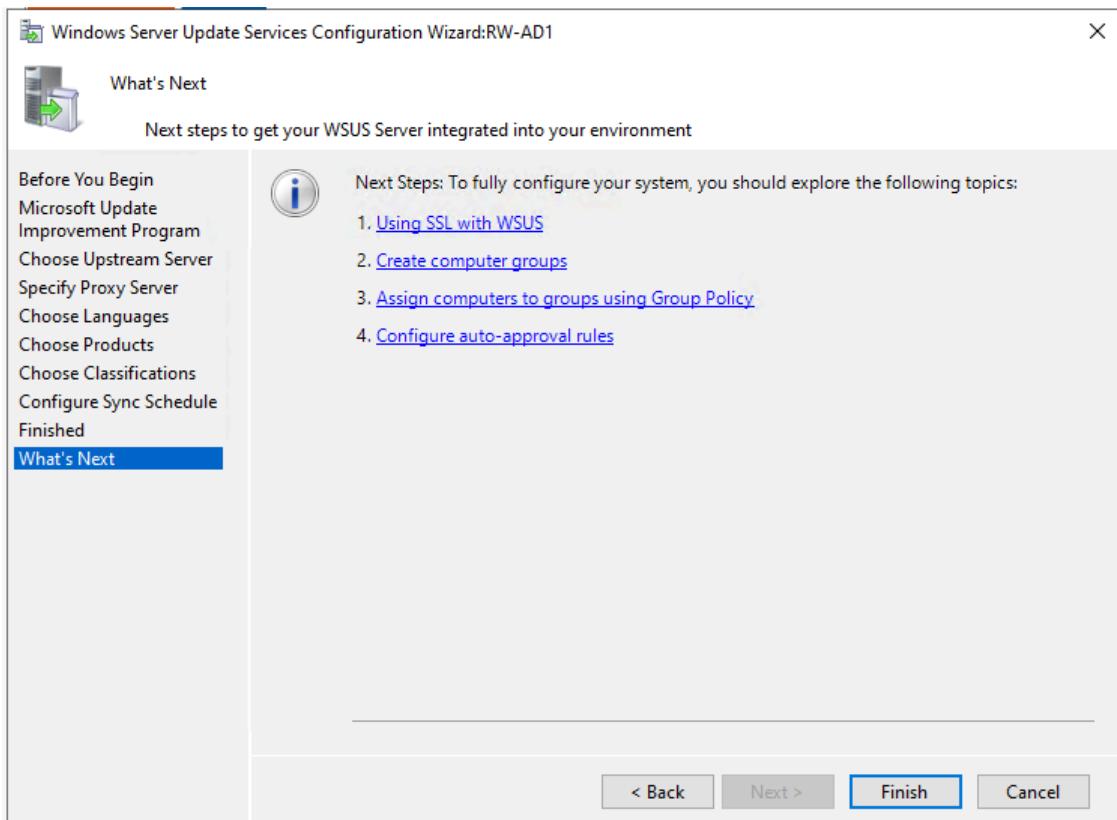
Choisissez les langues que vous voulez mettre à jour.



Les produits dont vous voulez les mises à jour







Interface de gestion

The screenshot shows the Windows Server Update Services Management Console. The left navigation pane shows 'Update Services' expanded, with 'RW-AD1' selected. Under 'RW-AD1', 'Updates', 'Computers', 'Downstream Servers', 'Synchronizations', 'Reports', and 'Options' are listed. The central pane is titled 'Update Services' and contains the 'Windows Server Update Services' section, which includes a note about deploying updates and connecting to remote servers. Below this is the 'Servers Administered from This Console' section, specifically for 'RW-AD1'. It displays 'RW-AD1 Computer Status' and 'RW-AD1 Update Status' with the following data:

Status Category	Count
Computers with errors	0
Computers needing updates	0
Computers installed/not applicable	0
Updates with errors	0
Updates needed by computers	0
Updates installed/not applicable	0

The right pane is titled 'Actions' and lists options: 'Update Services' (selected), 'Connect to Server...', 'View', 'New Window from Here', 'Refresh', and 'Help'.

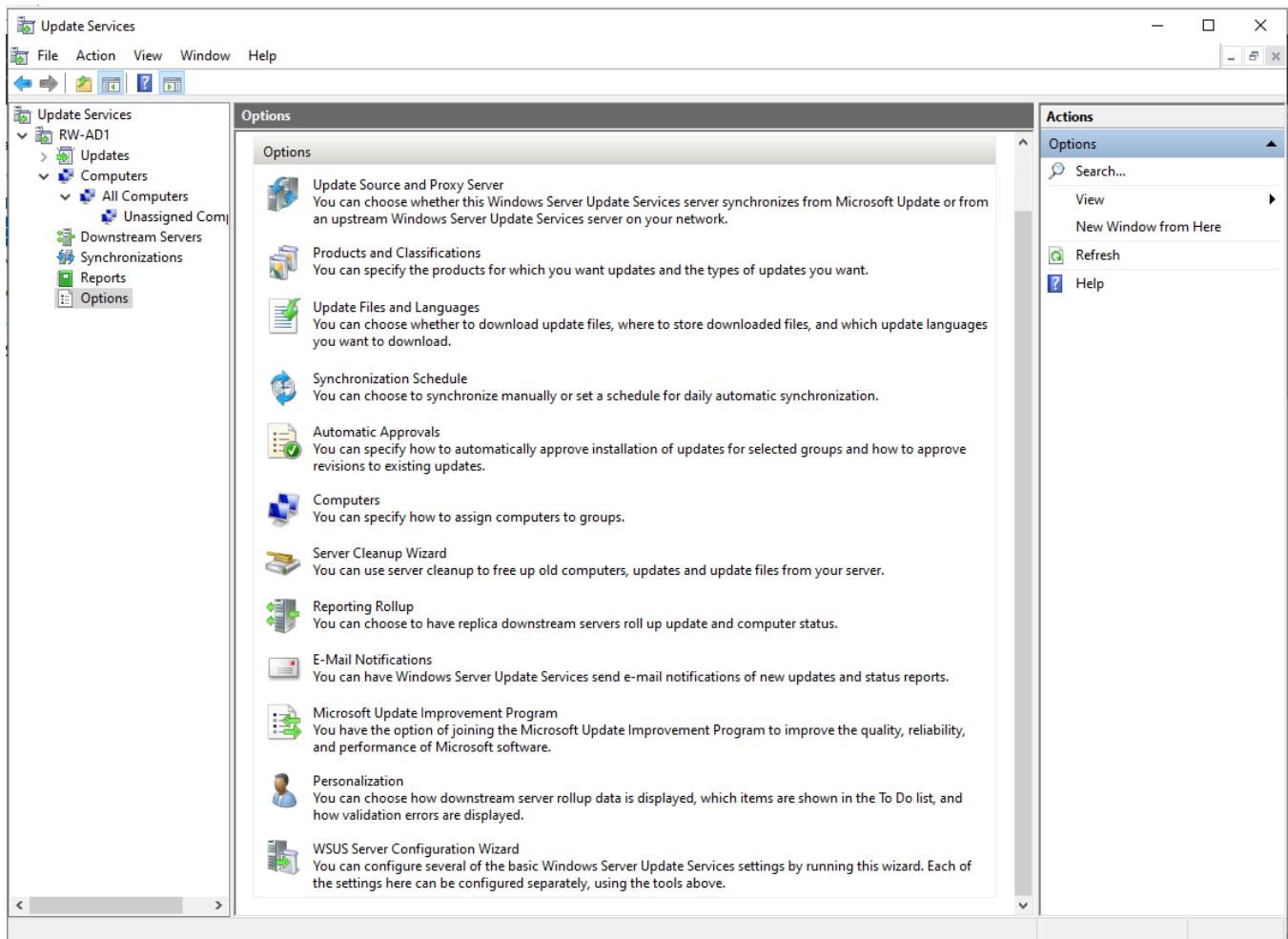
The screenshot shows the Windows Update Services console. The left navigation pane is open, showing 'Update Services' and 'RW-AD1'. Under 'RW-AD1', 'Updates' is expanded, showing 'All Updates', 'Critical Updates', 'Security Updates', 'WSUS Updates', and 'Upgrades'. Other sections like 'Computers', 'Downstream Servers', 'Synchronizations', 'Reports', and 'Options' are also listed. The main central area is titled 'RW-AD1' and contains the following information:

- To Do:** A warning message: "To be able to view available updates, you first need to synchronize your server. By default, critical and security updates for Windows will be synchronized in all languages. However, before synchronizing you can select the products and languages you want on the [Options](#) page."
- Overview:**
 - Computer Status:** 0 Computers with errors, 0 Computers needing updates, 0 Computers installed/not applicable.
 - Synchronization Status:** Status: Synchronizing: 0% (highlighted with a red circle), Last synchronization: 1/2/2025 3:07 PM, Last synchronization result: [Succeeded](#).
- Update Status:** 0 Updates with errors, 0 Updates needed by computers, 0 Updates installed/not applicable.
- Download Status:** Updates needing files: 0
- Server Statistics:** Unapproved updates: 0, Approved updates: 0, Declined updates: 0, Computers: 0, Computer groups: 0.
- Connection:** Type: Local/SSL, Port: 8530, User role: Administrator, Server version: 10.0.20348.2849.
- Resources:** Links to WSUS Home Page, WSUS Community, and WSUS Technical Overview.

The right-hand Actions pane lists options: Search..., Remove from Console, Import Updates..., View, New Window from Here, Refresh, and Help.

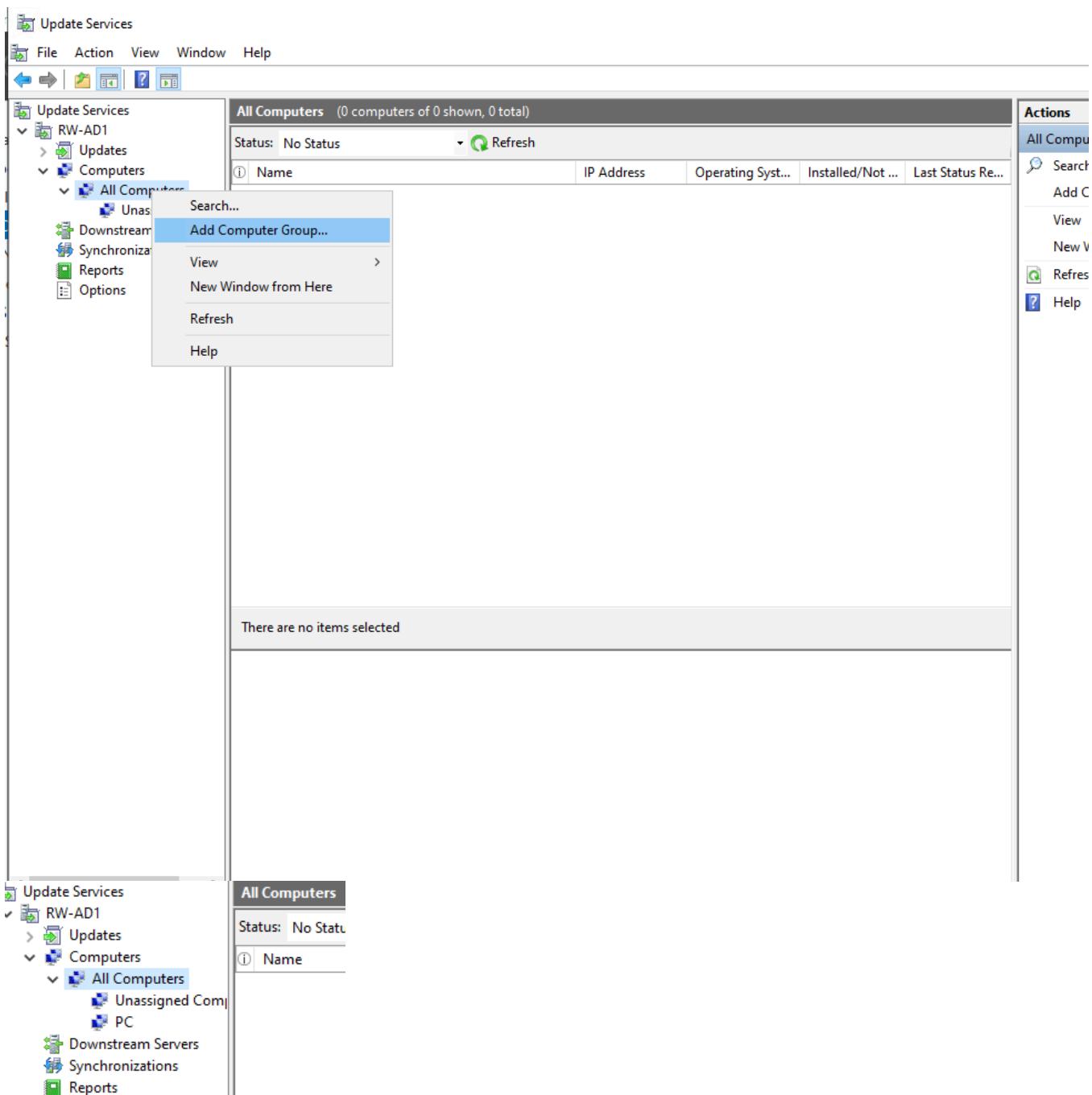
Vous pouvez lancer une nouvelle synchronisation

This screenshot is identical to the one above, showing the 'RW-AD1' Overview page in the Update Services console. The 'Synchronization Status' section is highlighted with a red circle around the 'Synchronizing: 0%' status and the 'Stop Synchronization' link.



Ajouter et gérer des machines

Créer un groupe



Créer un dossier

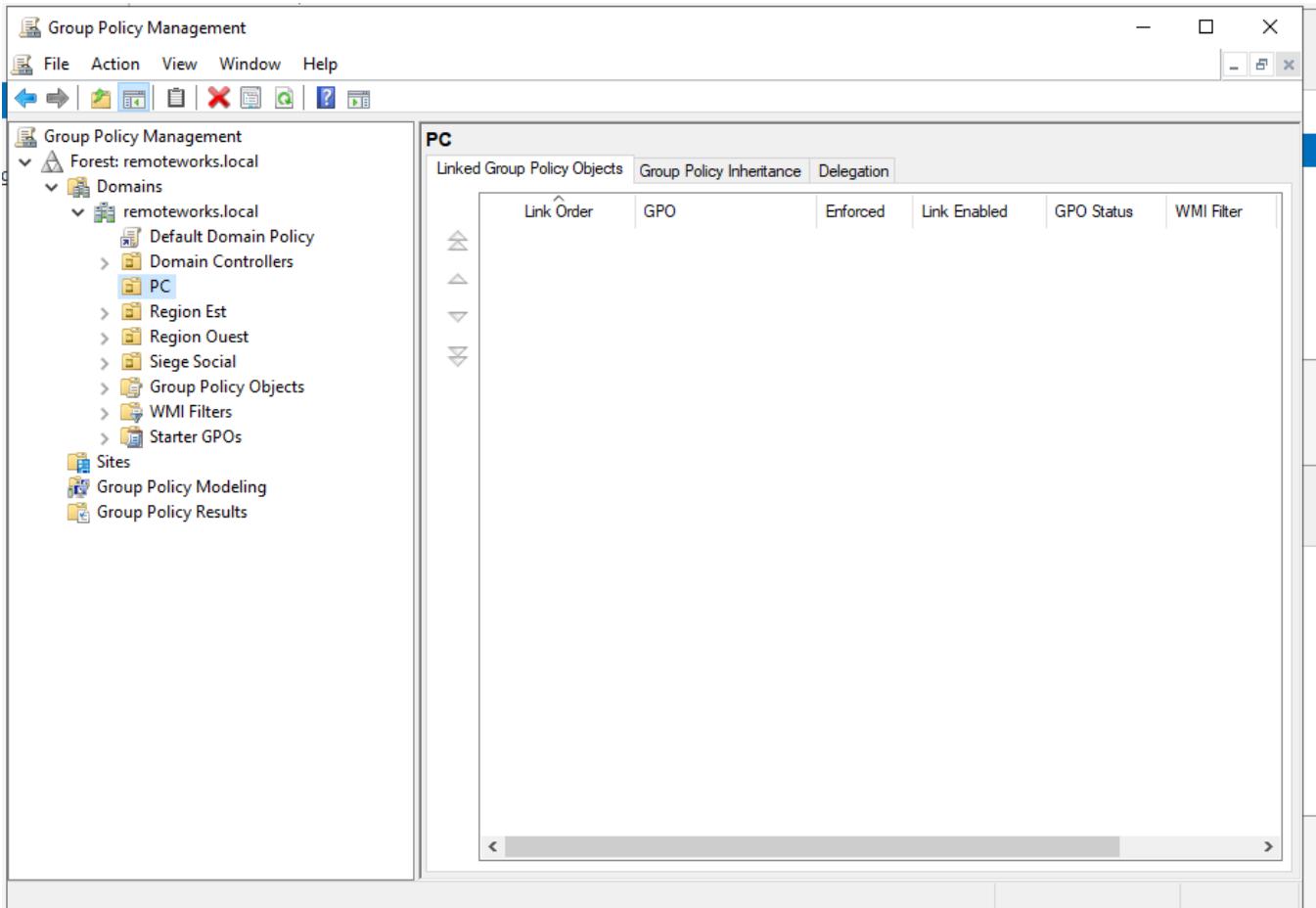
Je crée un dossier dans notre console Active Directory Users and computers et j'y ajoute mon windows 10.

The screenshot shows the Windows Server Management Console window titled "Active Directory Users and Computers". The left pane displays a tree view of the directory structure under "Active Directory Users and Computers" and "remoteWorks.local". The right pane is a table view with columns "Name", "Type", and "Description". A single row is present, showing "RW-Client" as a "Computer".

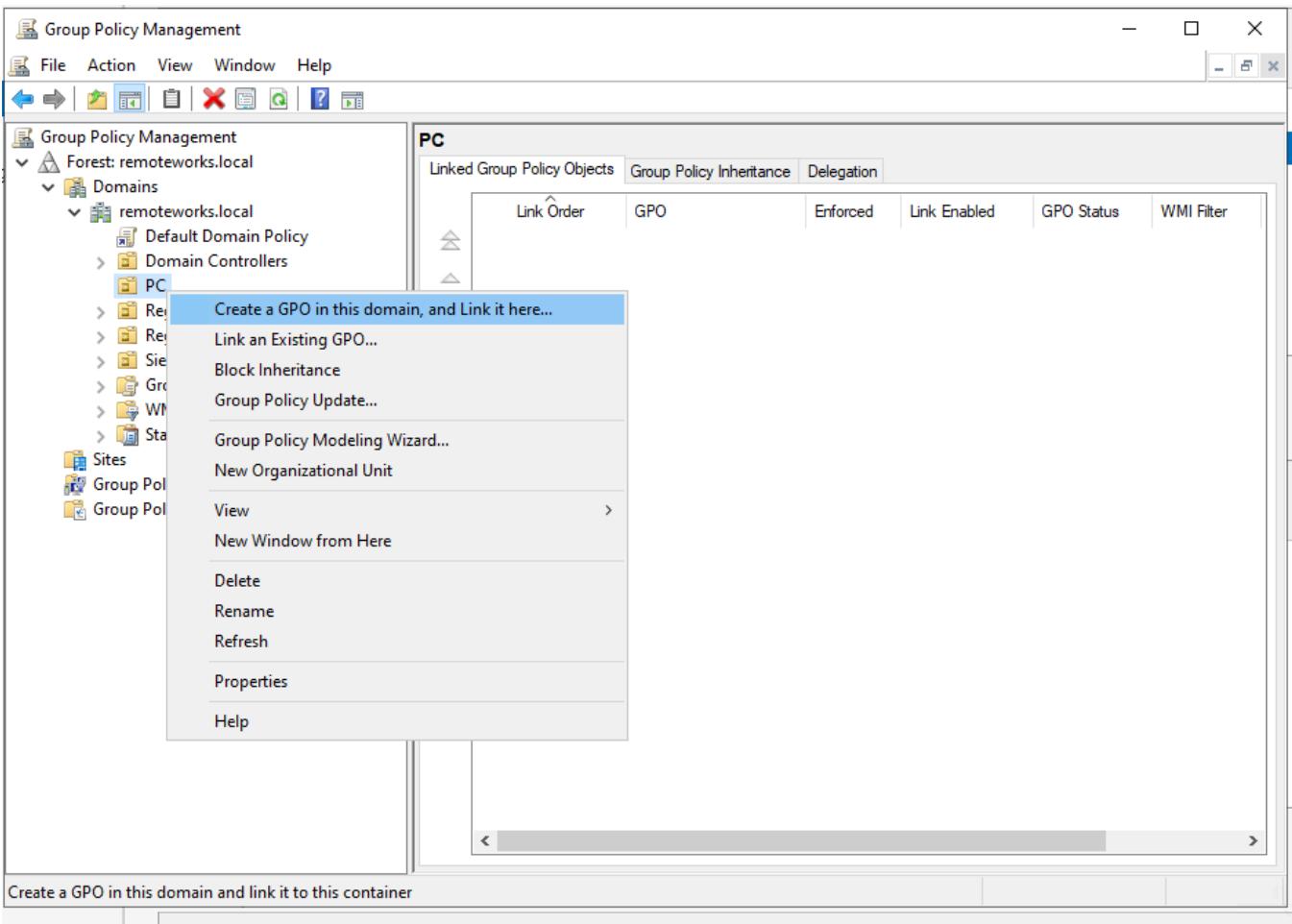
Name	Type	Description
RW-Client	Computer	

Créer une GPO

Je vais dans l'interface des GPO



Je crée une GPO



et je l'édite

Group Policy Management

File Action View Window Help

WSUS

Scope Details Settings Delegation

Links

Display links in this location: remoteworks.local

The following sites, domains, and OUs are linked to this GPO:

Location	Enforced	Link Enabled	Path
remoteworks.local	No	Yes	remoteworks.local/PC

Filtering

This GPO can only apply to the following groups, users, and computers:

- Authenticated Users

Add... Remove Properties

WMI Filtering

This GPO is linked to the following WMI filter:

<none> Open

Open the GPO editor

Group Policy Management Editor

File Action View Help

WSUS [RW-AD1.REMOTEWORKS.LOCAL] Policy

Computer Configuration (Red arrow)

- Policies
 - Software Settings
 - Windows Settings
 - Administrative Templates: Policy definition (Red arrow)
 - Control Panel
 - Network
 - Printers
 - Server
 - Start Menu and Taskbar
 - System
- Windows Components (Red arrow)
 - ActiveX Installer Service
 - Add features to Windows 10
 - App Package Deployment
 - App Privacy
 - App runtime
 - Application Compatibility
 - AutoPlay Policies
 - Biometrics
 - BitLocker Drive Encryption
 - Camera
 - Cloud Content

Windows Components

Windows Update

Setting
Windows Customer Experience Improvement Program
Windows Defender SmartScreen
Windows Error Reporting
Windows Hello for Business
Windows Ink Workspace
Windows Installer
Windows Logon Options
Windows Media Digital Rights Management
Windows Media Player
Windows Messenger
Windows Mobility Center
Windows PowerShell
Windows Reliability Analysis
Windows Remote Management (WinRM)
Windows Remote Shell
Windows Sandbox
Windows Security
Windows Update (Blue highlight)
Work Folders

Extended Standard

Nous allons ensuite modifier la GPO "Specify intranet Microsoft update service location".

Windows	update computers on your network.		
Windows	This setting lets you specify a server on your network to function as an internal update service. The Automatic Updates client will search this service for updates that apply to the computers on your network.		
Windows	To use this setting, you must set two server name values: the server from which the Automatic Updates client detects and downloads updates, and the server to which updated		
Windows			
All Settings			
Work Fold			
rences			

On spécifie les paramètres

The screenshot shows the 'Group Policy Management Editor' window with the path 'Specify intranet Microsoft update service location'. The 'Enabled' radio button is selected. The 'Supported on:' field specifies 'At least Windows XP Professional Service Pack 1 or Windows 2000 Service Pack 3, excluding Windows RT'. The 'Set the intranet update service for detecting updates:' field contains 'http://rw-ad1.remoteworks.local:8530'. The 'Help' pane provides detailed information about the setting, stating it specifies an intranet server to host updates from Microsoft Update and can be used to automatically update computers on the network. It also notes that the setting allows specifying a server on the network to function as an internal update service, with the client searching for updates that apply to the network. The 'OK', 'Cancel', and 'Apply' buttons are visible at the bottom right.

Notre URL est le nom du serveur dans le domaine, ici rw-ad1.remoteworks.local et on spécifie le port à savoir 8530.

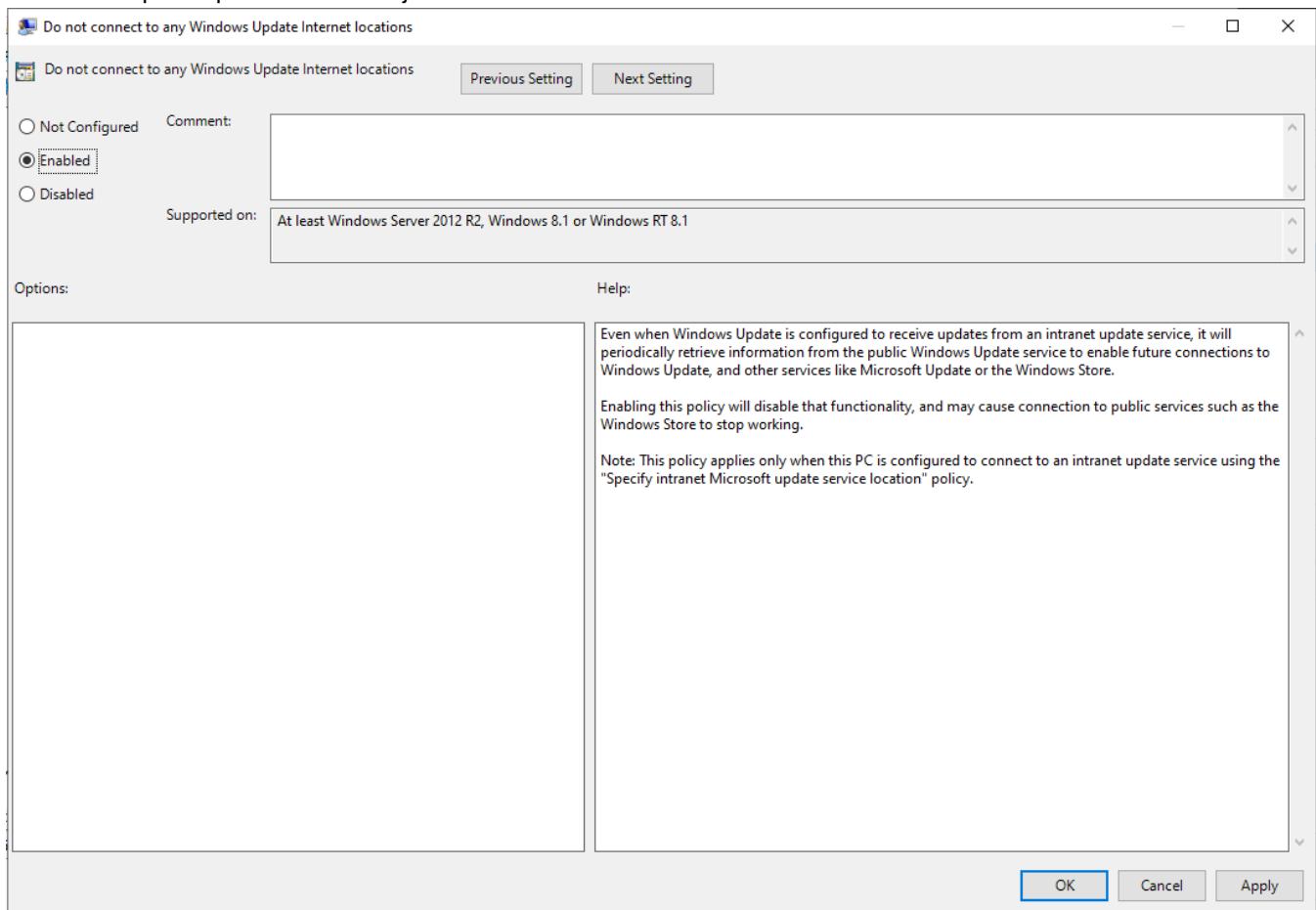
Ce qui donne `http://rw-ad1.remoteworks.local:8530`.

Ensuite on va ajouter la GPO Configure Automatic Update

The screenshot shows the 'Configure Automatic Updates' dialog box. At the top left is the title bar 'Configure Automatic Updates'. Below it are two tabs: 'Configure Automatic Updates' (selected) and 'Previous Setting' / 'Next Setting'. The main area has three radio button options: 'Not Configured' (unchecked), 'Enabled' (checked), and 'Disabled' (unchecked). To the right of 'Enabled' is a 'Comment' field with an empty text box. Below these is a 'Supported on:' label followed by a scrollable list box containing 'Windows XP Professional Service Pack 1 or At least Windows 2000 Service Pack 3' and 'Option 7 only supported on servers at least Windows Server 2016 edition'. Underneath this is a 'Options:' section with a dropdown menu set to '3 - Auto download and notify for install'. A note below says 'The following settings are only required and applicable if 4 is selected.' It includes a checkbox for 'Install during automatic maintenance' and dropdown menus for 'Scheduled install day' (set to '0 - Every day') and 'Scheduled install time' (set to '03:00'). A note states: 'If you have selected "4 - Auto download and schedule the install" for your scheduled install day and specified a schedule, you also have the option to limit updating to a weekly, bi-weekly or monthly occurrence, using the options below:'. Below this are several checkboxes: 'Every week' (checked), 'First week of the month' (unchecked), 'Second week of the month' (unchecked), 'Third week of the month' (unchecked), 'Fourth week of the month' (unchecked), and 'Install updates for other Microsoft products' (unchecked). To the right of the options section is a 'Help:' panel. It describes the selected policy as 'Specifies whether this computer will receive security updates and other important downloads through the Windows automatic updating service.' It notes: 'Note: This policy does not apply to Windows RT.' It explains the setting: 'This setting lets you specify whether automatic updates are enabled on this computer. If the service is enabled, you must select one of the four options in the Group Policy Setting:'. It lists three options: '2 = Notify before downloading and installing any updates.', 'When Windows finds updates that apply to this computer, users will be notified that updates are ready to be downloaded. After going to Windows Update, users can download and install any available updates.', and '3 = (Default setting) Download the updates automatically and notify when they are ready to be installed.' It describes this as: 'Windows finds updates that apply to the computer and downloads them in the background (the user is not notified or interrupted during this process). When the downloads are complete, users will be notified that they are ready to install. After going to Windows Update, users can install them.' Finally, it lists '4 = Automatically download updates and install them on the schedule specified below.' It notes: 'When "Automatic" is selected as the scheduled install time, Windows will automatically check, download, and install updates. The device will reboot as per Windows default settings unless configured by group policy. (Applies to Windows 10, version 1809 and higher)' and 'Specify the schedule using the options in the Group Policy Setting. For version 1709 and above, there is an additional choice of limiting updating to a weekly, bi-weekly, or monthly occurrence. If no schedule is specified, the default schedule for all installations will be every day at 3:00 AM. If any updates require a'.

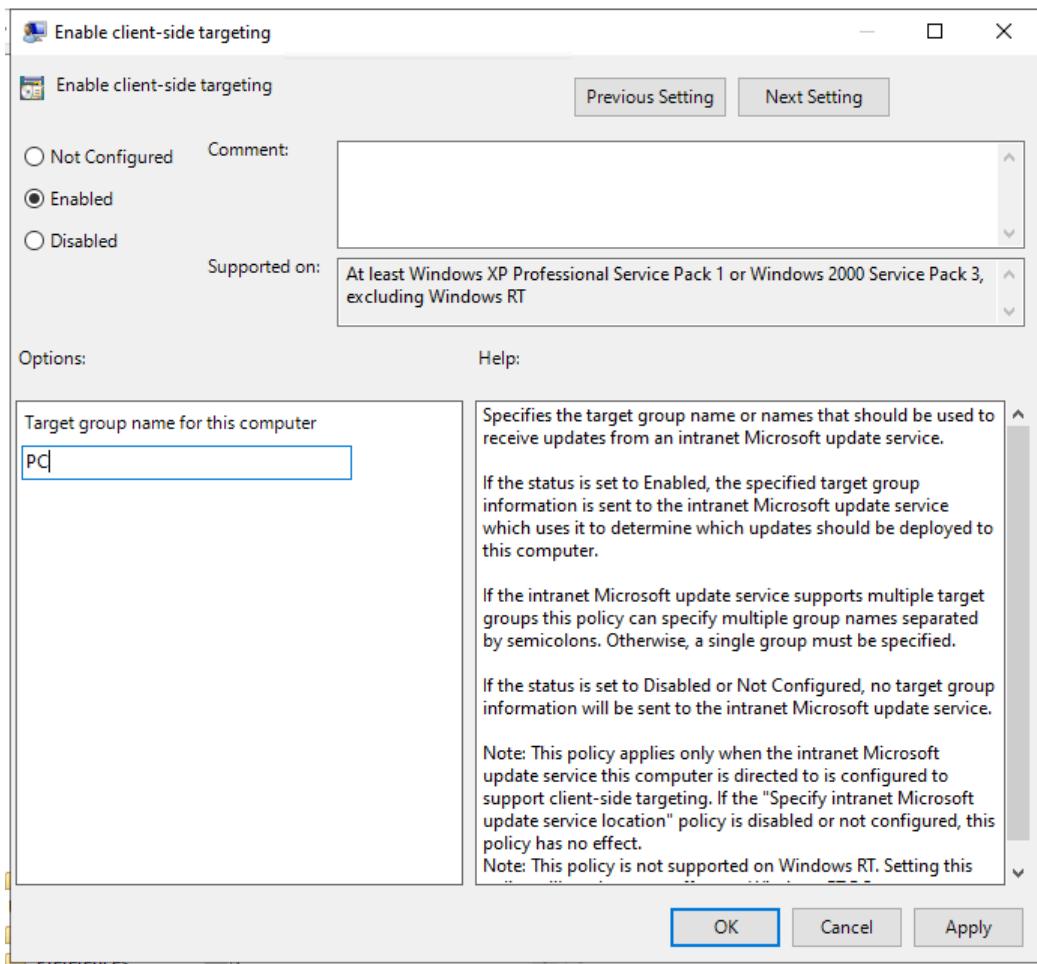
On choisit les paramètres qu'on souhaite au niveau de la récurrence.

On peut également rajouter la GPO "Do not connect to any windows update internet locations" si on souhaite que la machine ne passe pas des mises à jour en autonomie.



Vous pouvez ajouter d'autres GPO à votre guise.

Cependant, une dernière étape importante. Enable Client-side targeting, qui va autoriser notre client à spécifier le groupe auquel il appartient et s'inscrire aux mises à jour dans le bon groupe. On spécifie au passage le nom du groupe.



Check le client

Il est possible qu'il y ai besoin d'un gpupdate /force et d'un reboot.

```
C:\Users\youenn>gpresult /R
Microsoft (R) Windows (R) Operating System Group Policy Result tool v2.0
© Microsoft Corporation. All rights reserved.

Created on 1/2/2025 at 9:28:34 PM

RSOP data for RW-Client\youenn on RW-Client : Logging Mode
-----
OS Configuration: Member Workstation
OS Version: 10.0.19045
Site Name: Default-First-Site-Name
Roaming Profile: N/A
Local Profile: C:\Users\youenn
Connected over a slow link?: No

COMPUTER SETTINGS
-----
CN=RW-Client,OU=PC,DC=remoteworks,DC=local
Last time Group Policy was applied: 1/2/2025 at 9:25:25 PM
Group Policy was applied from: RW-AD1.remoteworks.local
Group Policy slow link threshold: 500 kbps
Domain Name: REMOTWORKS
Domain Type: Windows 2008 or later

Applied Group Policy Objects
-----
WSUS
Default Domain Policy
```

The screenshot shows the Windows Update section of the Settings app. On the left, there's a sidebar with links like Home, Find a setting, Update & Security, Windows Update (which is selected), Delivery Optimization, Windows Security, Files backup, Troubleshoot, Recovery, Activation, Find my device, For developers, and Windows Insider Program. The main area is titled "Windows Update" and shows a message "Updates available" with a last checked time of "Today, 3:09 PM". It lists several updates:

- Security Intelligence Update for Microsoft Defender Antivirus - KB2267602 (Version 1.421.1151.0) - Current Channel (Broad)
Status: Pending install
- Windows Malicious Software Removal Tool x64 - v5.130 (KB890830)
Status: Pending install
- 2024-11 Cumulative Update for .NET Framework 3.5, 4.8 and 4.8.1 for Windows 10 Version 22H2 for x64 (KB5046542)
Status: Pending install
- 2024-05 Update for Windows 10 Version 22H2 for x64-based Systems (KB5001716)
Status: Pending install
- 2023-10 Update for Windows 10 Version 22H2 for x64-based Systems (KB4023057)
Status: Pending install
- Microsoft .NET Framework 4.8.1 for Windows 10 Version 22H2 for x64 (KB5011048)
Status: Pending install

At the bottom, there's a note about automatic updates and a "Install now" button. A "Get the latest updates as soon as they're available" link is also present.

Le poste va finir par apparaître dans la console Update Service

The screenshot shows the "Unassigned Computers" list in the Update Service console. There is 1 computer shown out of 1 total. The table has columns: Name, IP Address, Operating Syst..., Installed/Not ..., and Last Status Re... . One row is visible for "rw-client.remoteworks.local" with IP "10.0.0.6", OS "Windows 10 Pro", and status "0% Not yet reported".

Unassigned Computers (1 computers of 1 shown, 1 total)				
Status:	Any	Refresh		
Name	IP Address	Operating Syst...	Installed/Not ...	Last Status Re...
rw-client.remoteworks.local	10.0.0.6	Windows 10 Pro	0%	Not yet reported

Gestion des mises à jours

Note

Lors d'une première installation il est possible que l'affichage de nouvelles mise à jours peut prendre plusieurs heures. WSUS n'est pas un outil "rapide".

Update Services

File Action View Window Help

All Updates (1439 updates of 1439 shown, 1439 total)

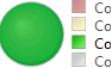
Approval: Unapproved Status: Any Refresh

Title	Classification	Install...	Approval
Update for Windows 10 Version 1607 (KB3199986)	Critical Updates	100%	Not approved
2020-11 Cumulative Update for Windows 10 Version 1703 for x...	Security Updates	0%	Not approved
2020-11 Cumulative Update for Windows 10 Version 1903 for x...	Security Updates	0%	Not approved
Feature update to Windows 10 (business editions), version 190...	Upgrades	0%	Not approved
Feature update to Windows 10 (consumer editions), version 20...	Upgrades	0%	Not approved
Feature update to Windows 10 (business editions), version 20H...	Upgrades	0%	Not approved
2020-12 Cumulative Update for Windows 10 Version 1903 for x...	Security Updates	0%	Not approved
2020-12 Servicing Stack Update for Windows 10 Version 2004 f...	Security Updates	0%	Not approved
2020-12 Cumulative Update for Windows 10 Version 1703 for x...	Security Updates	0%	Not approved
Feature update to Windows 10 (business editions), version 20H...	Upgrades	0%	Not approved
Feature update to Windows 10 (consumer editions), version 20...	Upgrades	0%	Not approved
Feature update to Windows 10 (consumer editions), version 19...	Upgrades	0%	Not approved
Feature update to Windows 10 (business editions), version 200...	Upgrades	0%	Not approved
Feature update to Windows 10 (business editions), version 200...	Upgrades	0%	Not approved
Feature update to Windows 10 (consumer editions), version 20...	Upgrades	0%	Not approved
Feature update to Windows 10 (business editions), version 20H...	Upgrades	0%	Not approved
Feature update to Windows 10 (consumer editions), version 20...	Upgrades	0%	Not approved
Feature update to Windows 10 (consumer editions), version 20...	Upgrades	0%	Not approved
Feature update to Windows 10 (consumer editions), version 20...	Upgrades	0%	Not approved
Update for Windows 10 Version 1607 (KB3199986)			

Information

This update is superseded by another update. Before you decline any superseded update, we recommend that you verify it is no longer needed by any computers. To do so, approve the superseding update first.

Status:



Computers with errors: 0 MSRC severity: Unspecified
 Computers needing this update: 0 MSRC number: None
 Computers installed/not applicable: 1 Release date: Thursday, October 27, 2016
 Computers with no status: 0 KB article numbers: 3199986

Description

Install this update to resolve issues in Windows. For a complete listing of the issues that are included in this update, see the associated Microsoft Knowledge Base article for more information. After you install this item, you may have to restart your computer.

Additional Details

More information:	http://support.microsoft.com/kb/3199986
Removable:	Yes
Restart behavior:	Can request restart
May request user input:	No

On peut voir que cette mise à jour s'est installé toute seule car critique. Installé sur une machine, la seule, donc 100% des machines enregistrées.

Update Services

File Action View Window Help

All Updates (1439 updates of 1439 shown, 1439 total)

Approval: Unapproved Status: Any Refresh

Title	Classification	Installed	Not Applicable	Approval
Update for Windows 10 Version 1607 (KB3199986)	Critical Updates	100%	0%	Not approved
2020-11 Cumulative Update for Windows 10 Version 1703 for x64-based Systems (KB4586...)	Security Updates	0%	Not approved	
2020-11 Cumulative Update for Windows 10 Version 1903 for x64-based Systems (KB4586...)	Security Updates	0%	Not approved	
Feature update to Windows 10 (business editions), version 1909, en-gb arm64	Upgrades	0%	Not approved	
Feature update to Windows 10 (consumer editions), version 20H2, en-gb x86	Upgrades	0%	Not approved	
Feature update to Windows 10 (business editions), version 20H2, en-gb x64	Upgrades	0%	Not approved	
2020-12 Cumulative Update for Windows 10 Version 1903 for x86-based Systems (KB4592...)	Security Updates	0%	Not approved	
2020-12 Servicing Stack Update for Windows 10 Version 2004 for x86-based Systems (KB4592...)	Security Updates	0%	Not approved	
2020-12 Cumulative Update for Windows 10 Version 1703 for x86-based Systems (KB4592...)	Security Updates	0%	Not approved	
Feature update to Windows 10 (business editions), version 20H2, fr-fr x64	Upgrades	0%	Not approved	
Feature update to Windows 10 (consumer editions), version 2004, en-us x64	Upgrades	0%	Not approved	
Feature update to Windows 10 (consumer editions), version 2004, en-us x86	Upgrades	0%	Not approved	
Feature update to Windows 10 (consumer editions), version 1909, fr-ca x86	Upgrades	0%	Not approved	
Feature update to Windows 10 (business editions), version 2004, fr-fr x64	Upgrades	0%	Not approved	
Feature update to Windows 10 (business editions), version 2004, en-gb x86	Upgrades	0%	Not approved	
Feature update to Windows 10 (consumer editions), version 2004, fr-ca x64	Upgrades	0%	Not approved	
Feature update to Windows 10 (consumer editions), version 2004, fr-fr x64	Upgrades	0%	Not approved	
Feature update to Windows 10 (consumer editions), version 2004, en-gb x64	Upgrades	0%	Not approved	
Feature update to Windows 10 (consumer editions), version 20H2, en-gb x64	Upgrades	0%	Not approved	
Feature update to Windows 10 (consumer editions), version 20H2, en-us x64	Upgrades	0%	Not approved	
2020-11 Servicing Stack Update for Windows 10 Version 20H2 for x64-based Systems (KB4...	Security Updates	0%	Not approved	
2020-11 Cumulative Update for Windows 10 Version 1703 for x86-based Systems (KB4586...)	Security Updates	0%	Not approved	

Update for Windows 10 Version 1607 (KB3199986)

(i) This update is superseded by another update. Before you decline any superseded update, we recommend that you verify it is no longer needed by any computers. To do so, approve the superseding update first.

Status: Computers with errors: 0 MSRC severity: Unspecified
 Computers needing this update: 0 MSRC number: None
 Computers installed/not applicable: 1 Release date: Thursday, October 27, 2016
 Computers with no status: 0 KB article numbers: 3199986

Description

Install this update to resolve issues in Windows. For a complete listing of the issues that are included in this update, see the associated Microsoft Knowledge Base article for more information. After you install this item, you may have to restart your computer.

Additional Details

More information: <http://support.microsoft.com/kb/3199986>
 Removable: Yes
 Restart behavior: Can request restart
 May request user input: No
 Must be installed exclusively: Yes

Actions

- All Updates
- Search...
- New Update View...
- View
- New Window from Here
- Refresh
- Help
- Update**
- Approve...
- Decline
- Group By
- Revision History
- File Information
- Status Report
- Help

Il est possible de choisir une autre m&j non appliquée et de la valider

2020-12 Cumulative Update for Windows 10 Version 1903 for x86-based Systems (KB4592449)

Approve... Decline Group By Revision History File Information Status Report Help

Title	Classification	Installed	Not Applicable	Approval
2020-12 Servicing Stack Update for Windows 10 Version 2004	Security Updates	0%	Not approved	
2020-12 Cumulative Update for Windows 10 Version 1703 for x86-based Systems (KB4586...)	Security Updates	0%	Not approved	
Feature update to Windows 10 (business editions), version 20H2, en-gb x64	Upgrades	0%	Not approved	
Feature update to Windows 10 (consumer editions), version 20H2, en-gb x64	Upgrades	0%	Not approved	
Feature update to Windows 10 (consumer editions), version 20H2, en-gb x86	Upgrades	0%	Not approved	
Feature update to Windows 10 (business editions), version 2004, en-gb x64	Upgrades	0%	Not approved	
Feature update to Windows 10 (consumer editions), version 2004, en-gb x86	Upgrades	0%	Not approved	
Feature update to Windows 10 (business editions), version 2004, fr-ca x64	Upgrades	0%	Not approved	
Feature update to Windows 10 (business editions), version 2004, fr-fr x64	Upgrades	0%	Not approved	
Feature update to Windows 10 (consumer editions), version 2004, fr-fr x86	Upgrades	0%	Not approved	
Feature update to Windows 10 (consumer editions), version 2004, en-gb x64	Upgrades	0%	Not approved	
Feature update to Windows 10 (consumer editions), version 20H2, en-gb x64	Upgrades	0%	Not approved	
Feature update to Windows 10 (consumer editions), version 20H2, en-us x64	Upgrades	0%	Not approved	
2020-11 Servicing Stack Update for Windows 10 Version 20H2 for x64-based Systems (KB4...	Security Updates	0%	Not approved	
2020-11 Cumulative Update for Windows 10 Version 1703 for x86-based Systems (KB4586...)	Security Updates	0%	Not approved	
2020-12 Cumulative Update for Windows 10 Version 1903 for x86-based Systems (KB4592449)	Upgrades	0%	Not approved	

(i) This update supersedes another update. Before you decline any superseded update, we recommend that you verify it is no longer needed by any computers. To do so, approve the superseding update first.

Status: Computers with errors: 0 MSRC severity: Critical
 Computers needing this update: 0 MSRC number: None
 Computers installed/not applicable: 0 Release date: Tuesday, December 8, 2020
 Computers with no status: 1 KB article numbers: 4592449

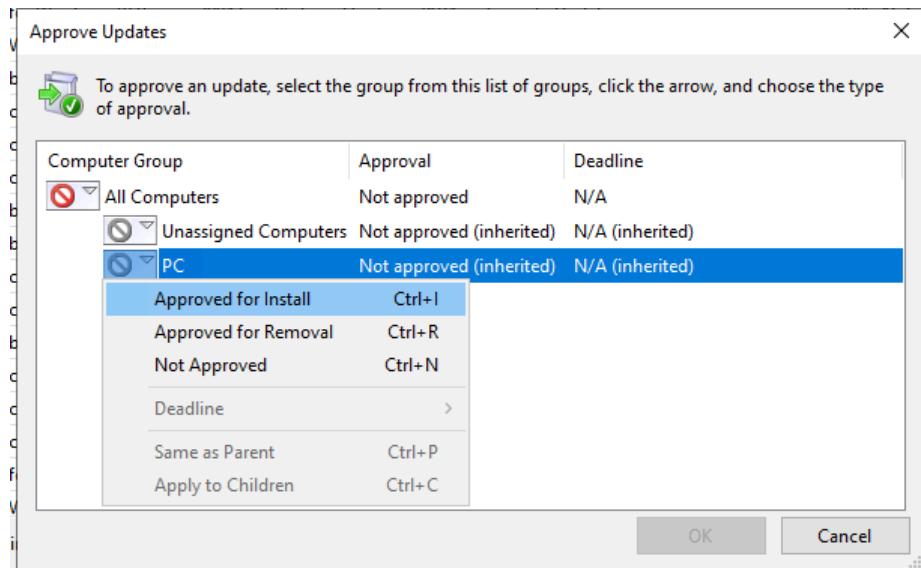
Description

Install this update to resolve issues in Windows. For a complete listing of the issues that are included in this update, see the associated Microsoft Knowledge Base article for more information. After you install this item, you may have to restart your computer.

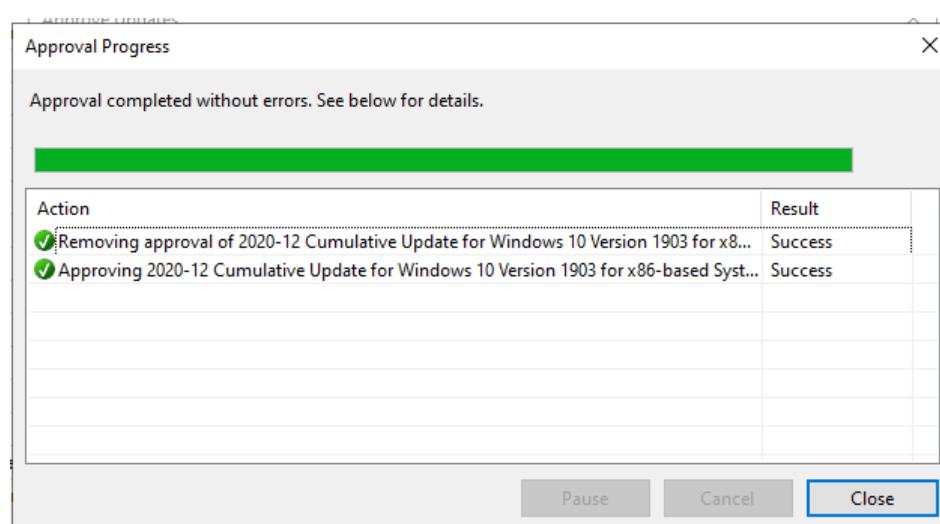
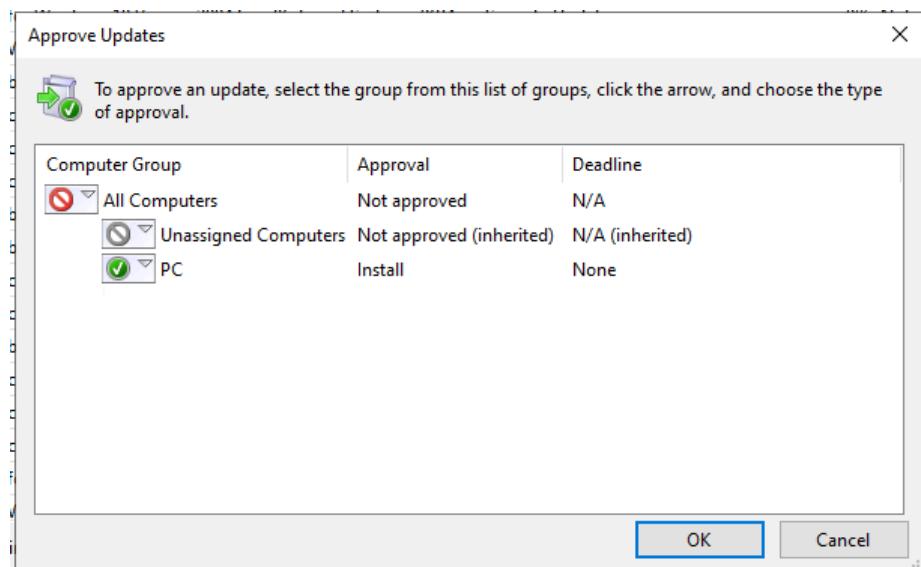
Additional Details

More information: <https://support.microsoft.com/help/4592449>
 Removable: Yes
 Restart behavior: Can request restart
 May request user input: No
 Must be installed exclusively: No

La M&J suivante par exemple est applicable à une machine, nous allons l'approver.



Il est possible de l'approver seulement pour certains groupes. Notez qu'il est possible de demander son retrait sur les machines ou de ne pas les approuver. Nous, on valide!



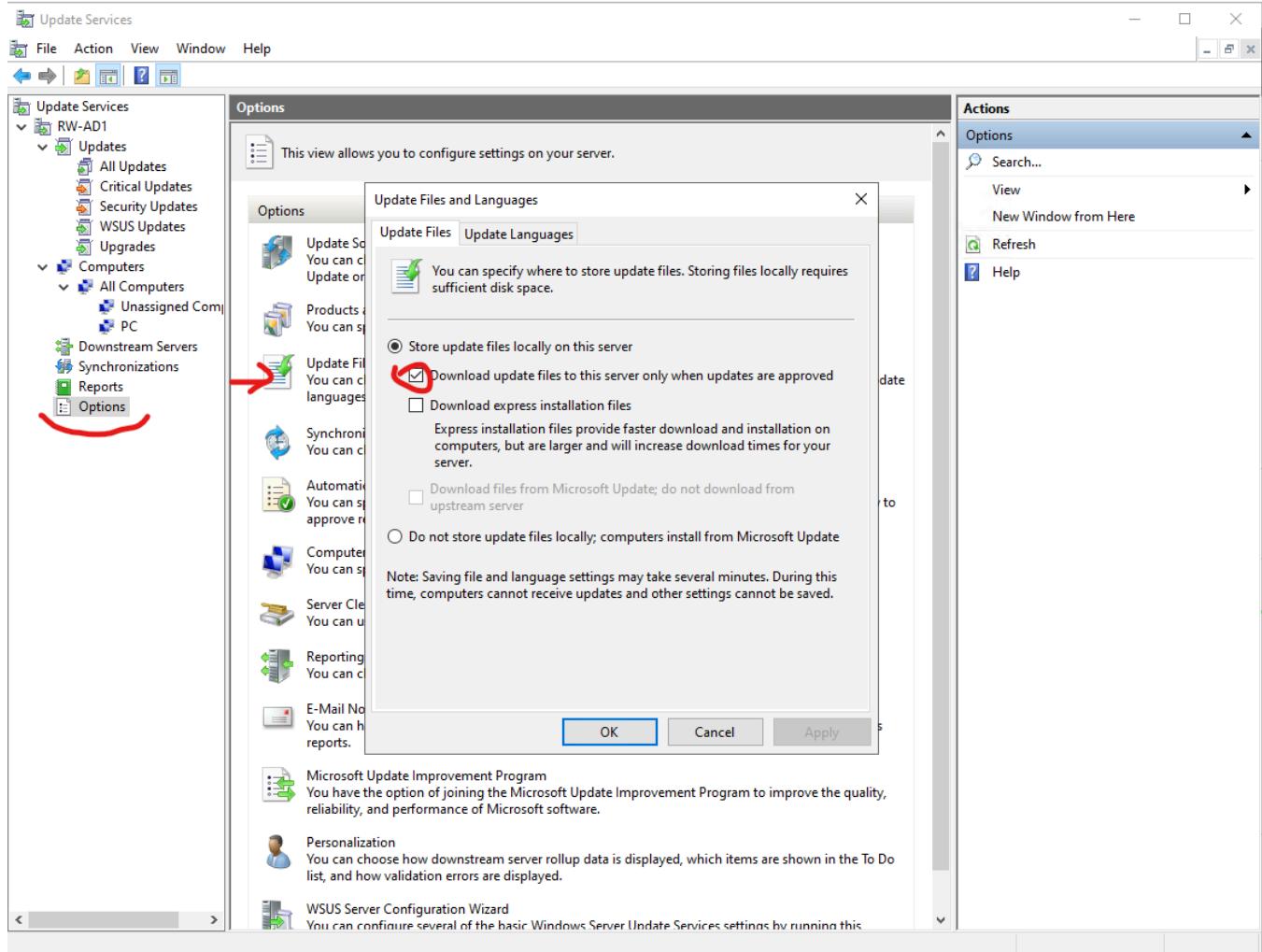
Note

Il est possible d'ajouter des machines qui ne sont pas dans le domaine (WORKGROUP) sur un WSUS. Cela implique des logiciels tier ou de manipuler les tables de registres des clients windows. Nous ne verrons pas ceci dans ce cours.

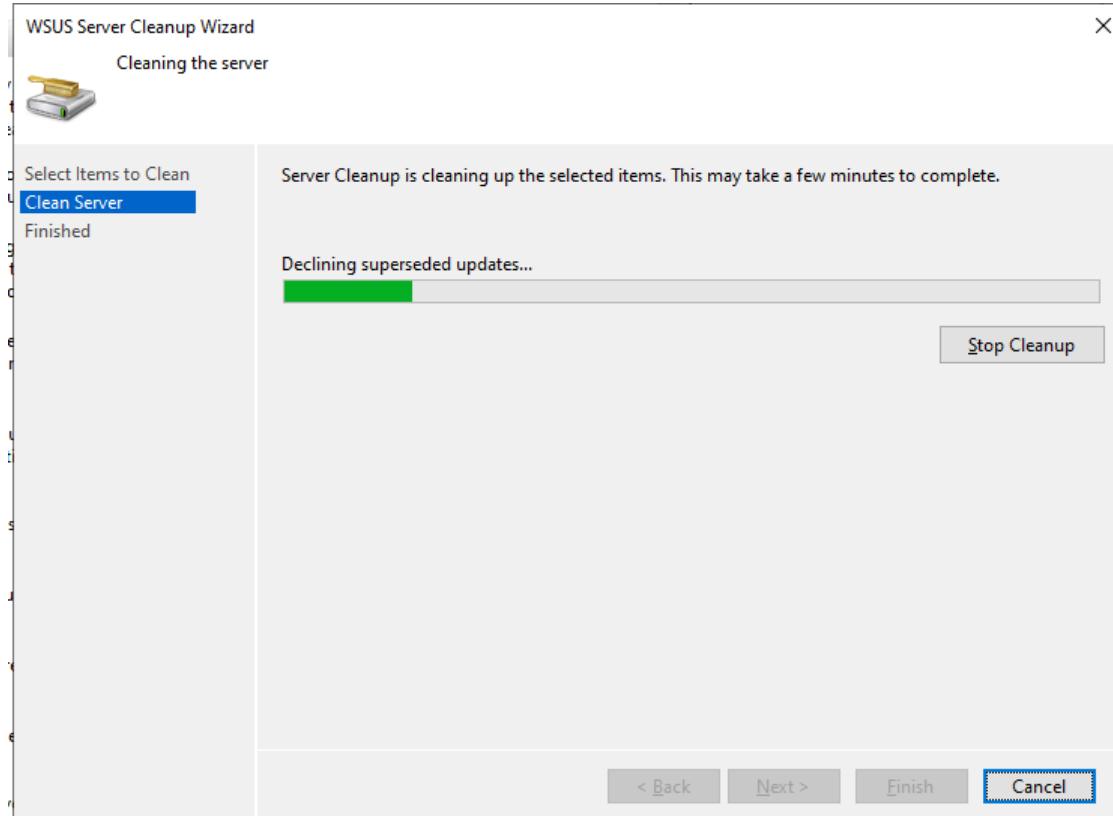
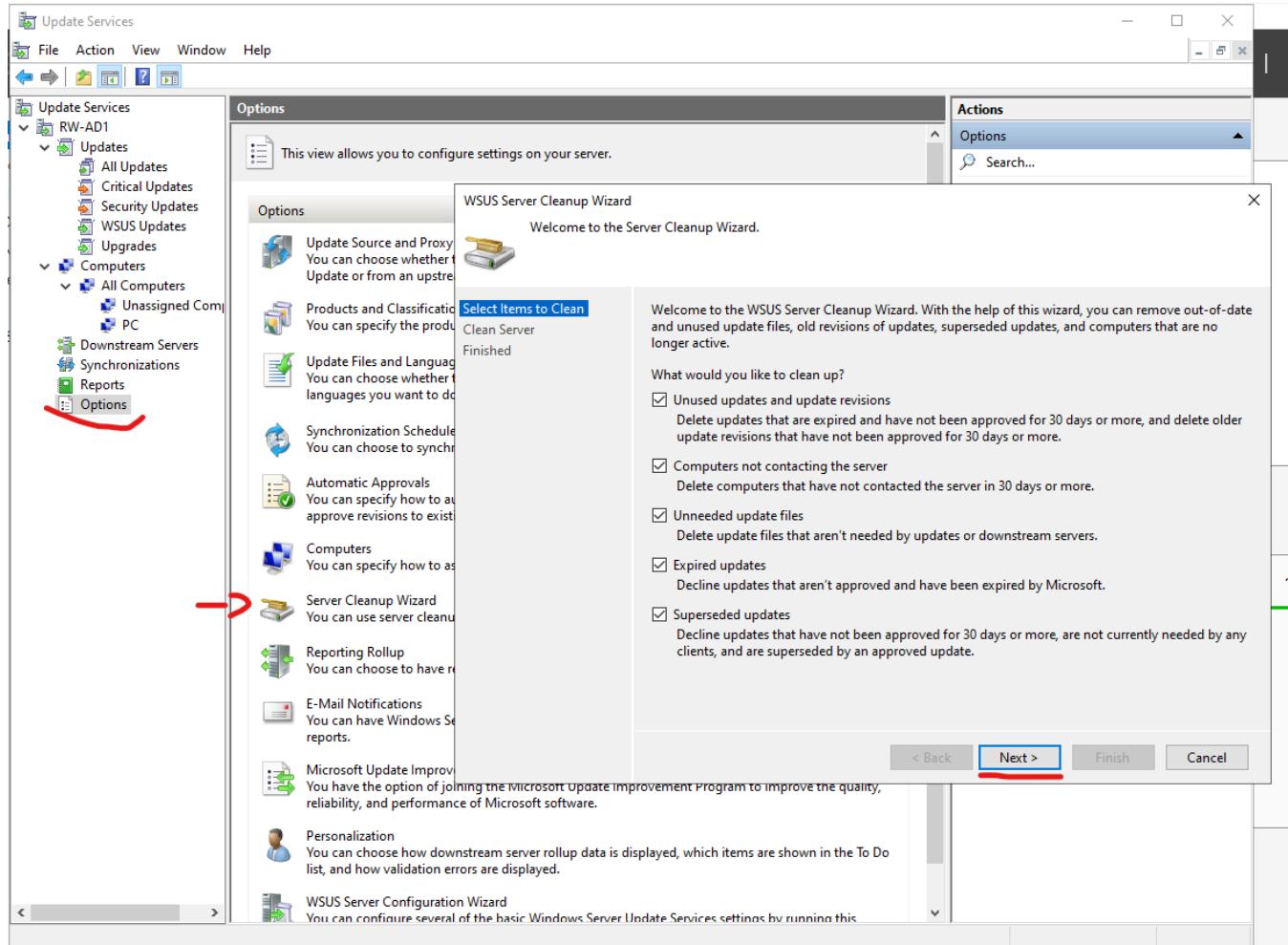
Maintenance WSUS

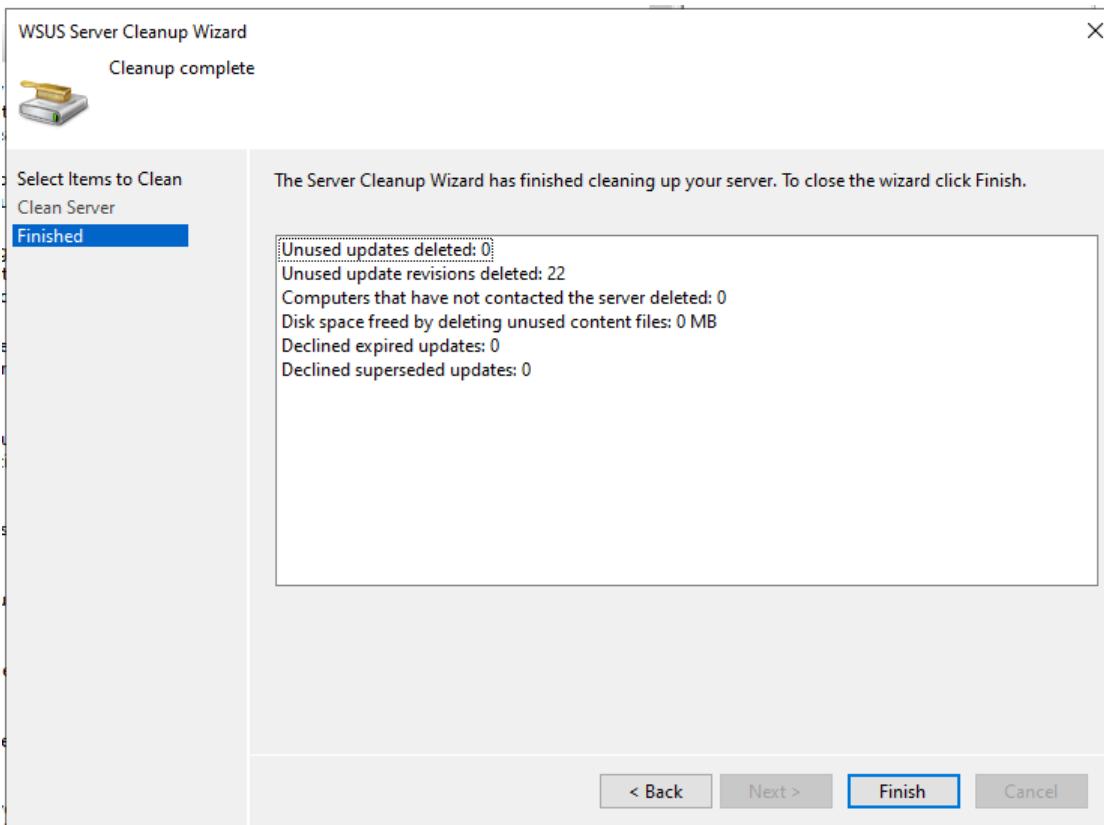
Il est à noter que par défaut les mises à jours ne sont téléchargé qu'une fois que la mise à jour a été approuvé.

Si vous cochez la case Download Update File to this Server Only when Updates are Approved, vous ne téléchargerez les mises à jour que lorsque vous les aurez approuvées.



Il y a un assistant pour nettoyer les mises à jours ainsi que les machines selon différents critères:





Il est également possible de faire tout cela via des scripts que Microsoft fournit directement.

https://learn.microsoft.com/en-us/troubleshoot/mem/configmgr/update-management/decline-superseded-updates?WT.mc_id=AZ-MVP-5004580

Il existe aussi des packages de script qu'on peut retrouver sur Powershellgallery.com

Par exemple:

<https://www.powershellgallery.com/packages/Wsus-Maintenance/>

Ce package de script vous permettra d'automatiser plus facilement la maintenance de votre WSUS.

Sécurisation du trafic

Il est possible de configurer un certificat SSL pour sécuriser les trafics entre vos serveurs WSUS et les machines clientes du dit serveur.

Il est possible de le faire avec des certificats auto-signés et 2IS.

Il est également possible d'utiliser le service ADCS.

Les alternatives à WSUS

Microsoft Endpoint Configuration manager (anciennement SCCM)

Microsoft Intune (lié à Office 365)

Azure Update Management (ne gère que les serveurs)

Windows Autopatch (lié à Office 365)

Ou autre, exemple Tranquil IT et son WAPT qui gère aussi les M&J Windows.

Toutes ces alternatives nécessitent des licences supplémentaires.