

Install RSAT Tools (Windows 10,11, Windows Server)

Last Updated: November 3, 2023 by [Robert Allen](#)

In this guide, I'll show you how to install the RSAT tools on Windows 10, Windows 11, and Windows Server. I'll also show you how to install RSAT using PowerShell.

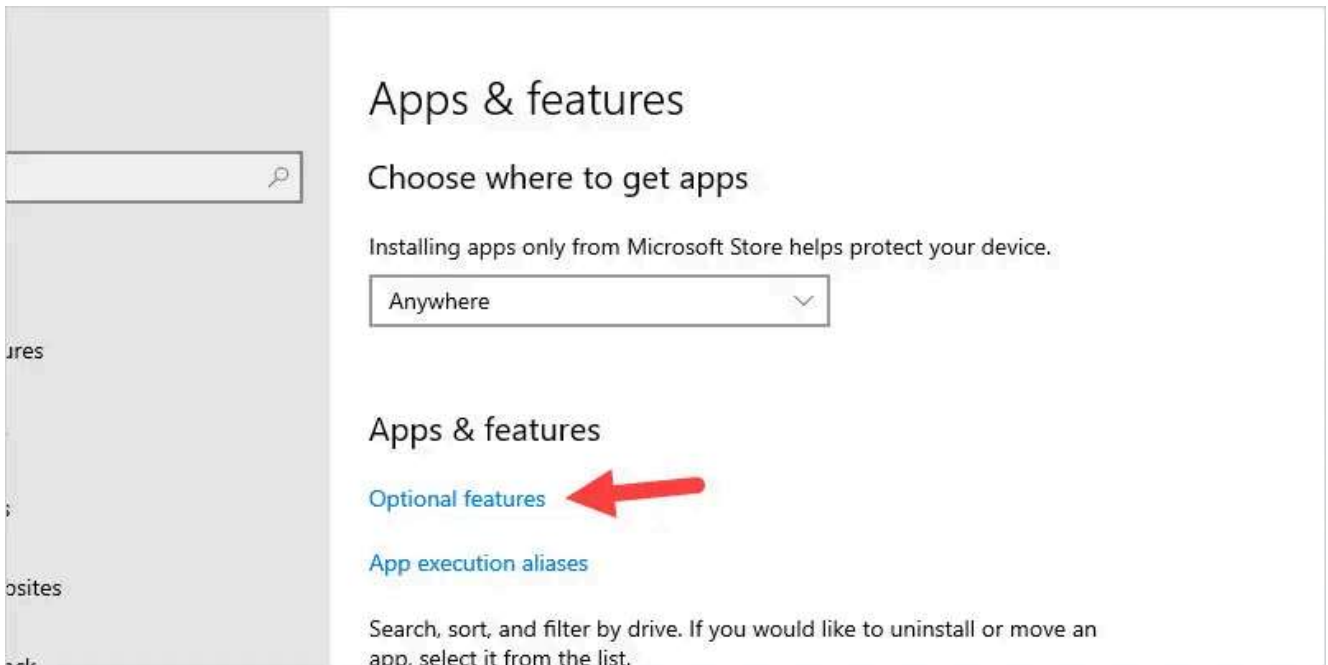
To remotely manage Active Directory, DNS, DHCP, and other Windows features you will need the Remote Server Administration Tools (RSAT) installed.

- [Install RSAT Tools on Windows 10](#)
- [Install RSAT Tools on Windows 11](#)
- [Install RSAT Tools on Windows Server](#)
- [How to Install RSAT using PowerShell](#)

Note: Starting with Windows 10 October 2018 Update, the RSAT tools no longer need to be downloaded. They are now included with the Windows build and just need to be installed. RSAT tools are only supported on Windows Pro and Enterprise versions of Windows 10 and 11.

Install RSAT Tools on Windows 10

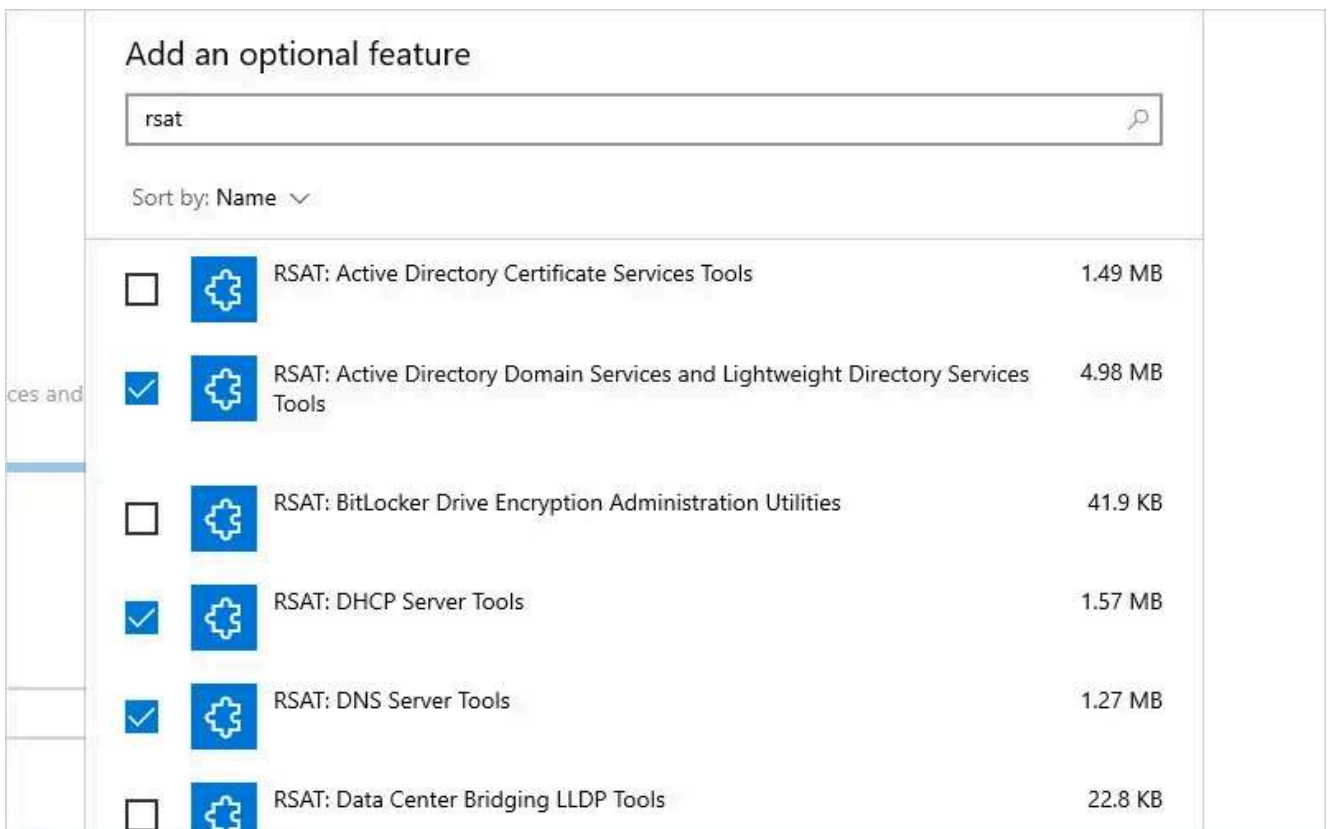
1. Open Apps & features and click on "Optional features"



2. Click on Add a feature.

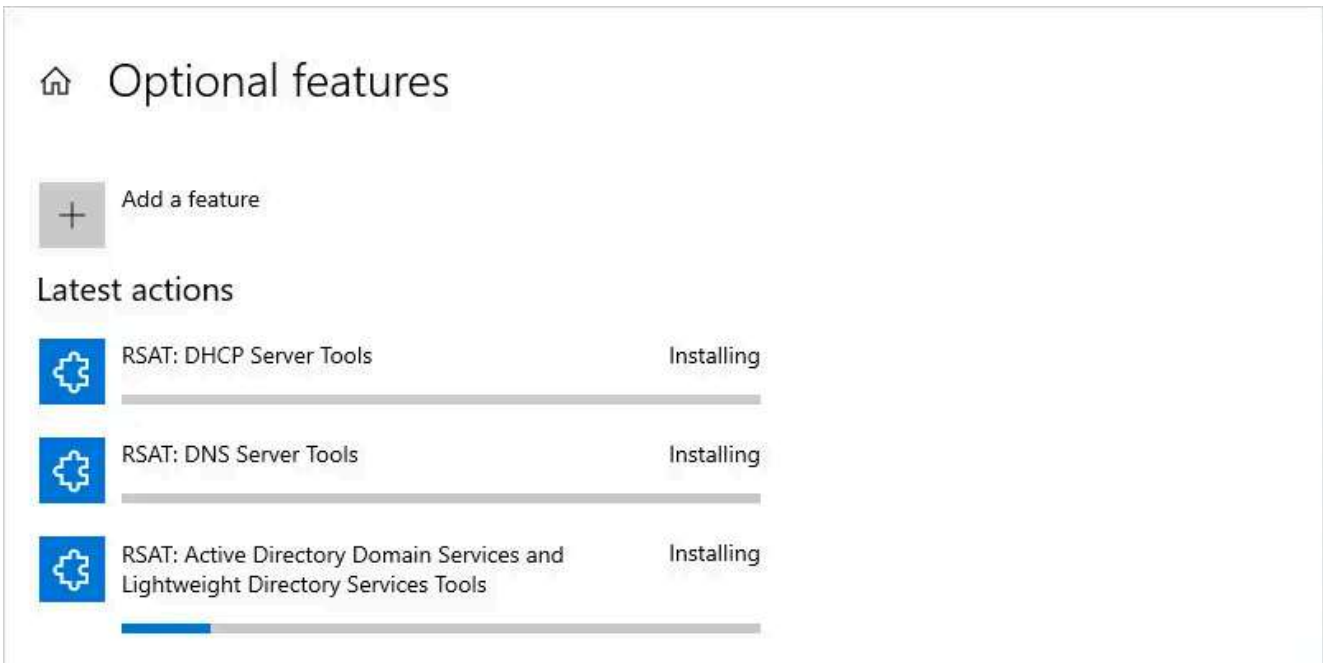
3. Type rsat and then select the RSAT tools you want to install.

In this example, I'll install the Active Directory, DHCP, and DNS tools.

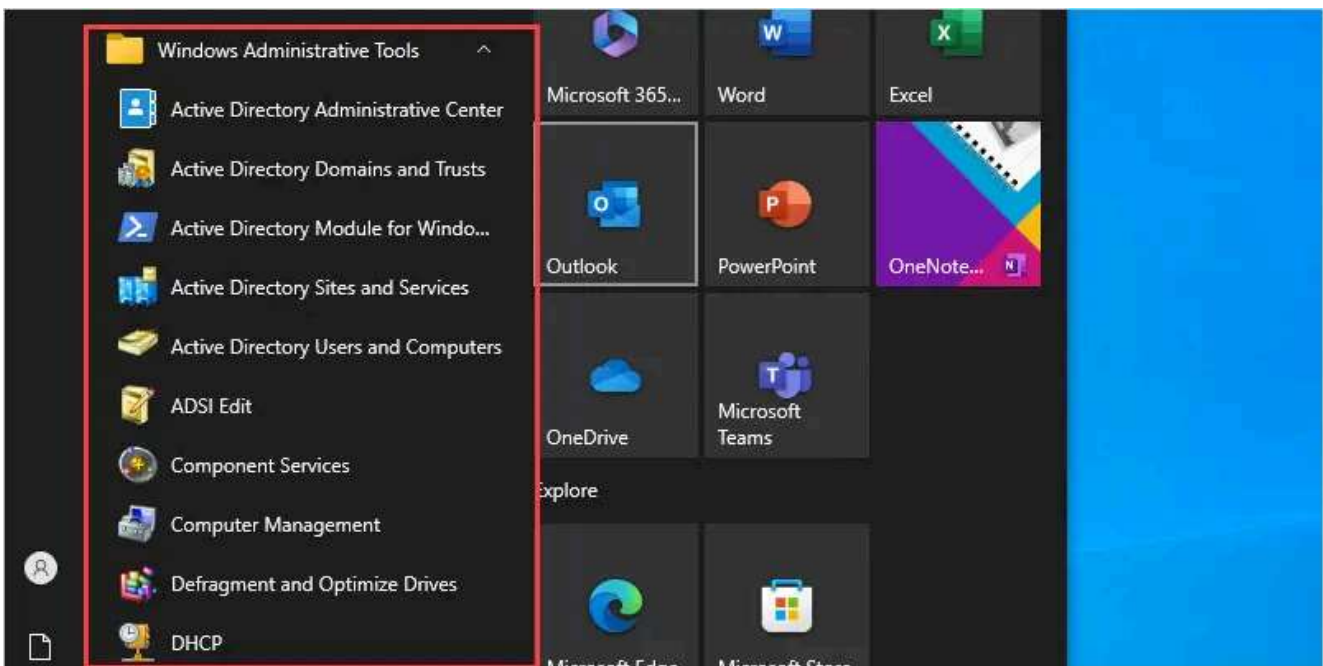


4. Click install to start the installation.

When the installation is complete the status will say installed.



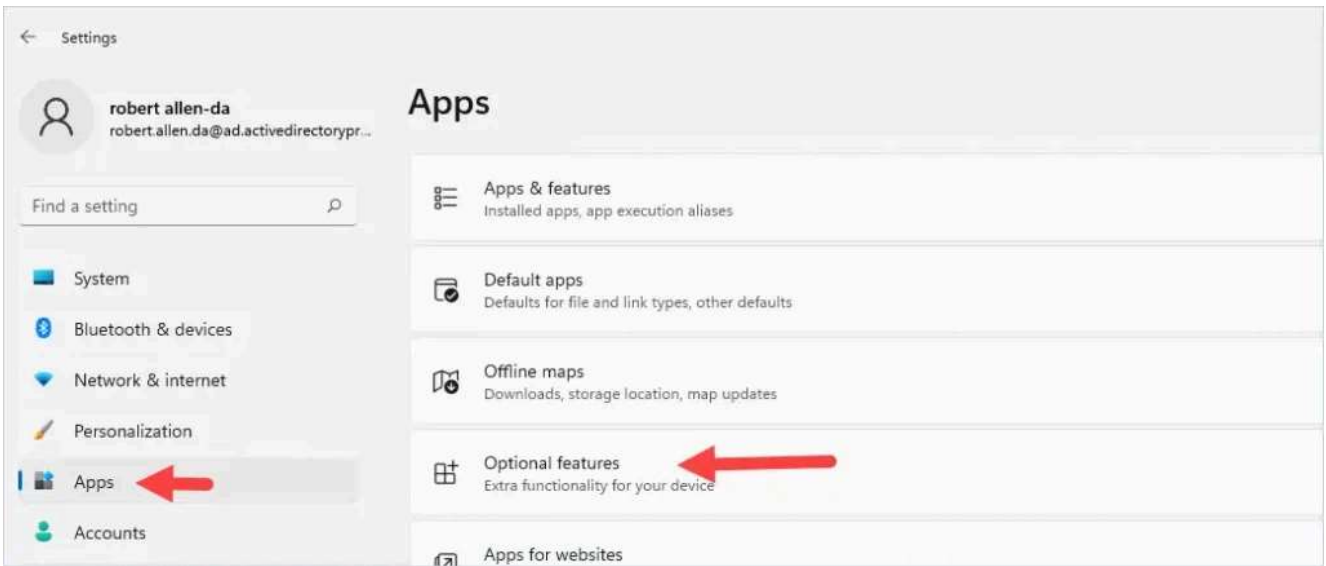
You can now navigate to the start -> Windows Administrative Tools to open one of the RSAT tools.



Install RSAT on Windows 11

On Windows 11 go to settings and then Apps.

Click on Optional Features.

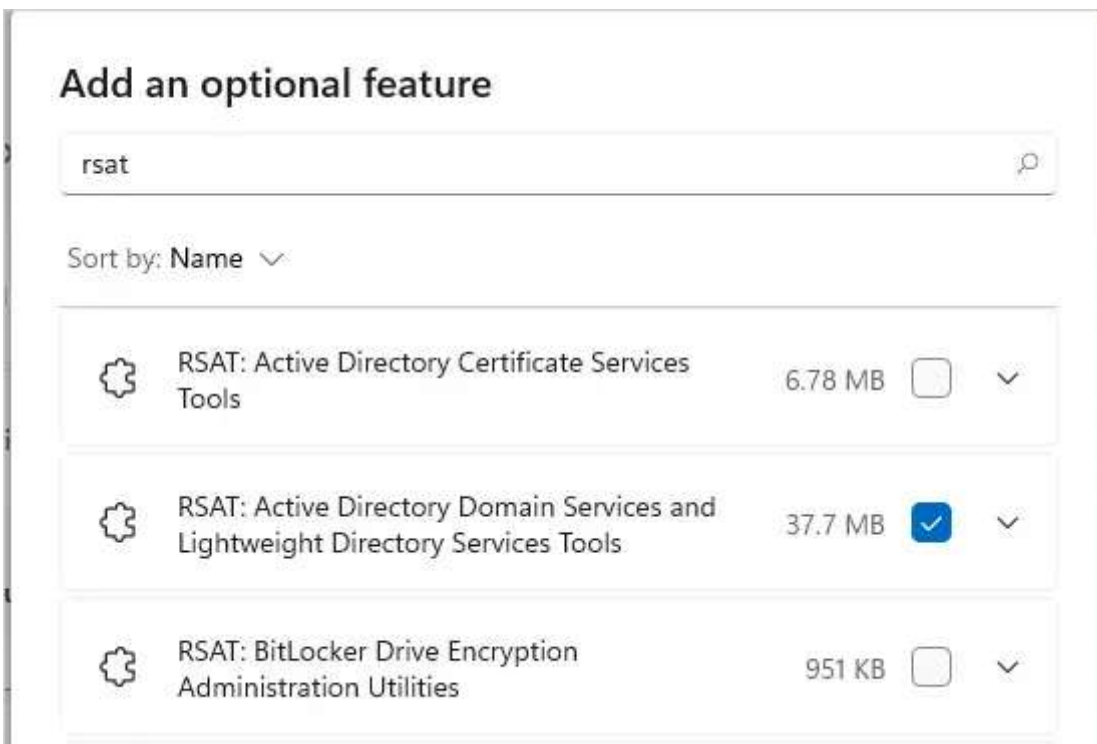


Click on the View Features button.



Type in rsat and select the tools you want to install.

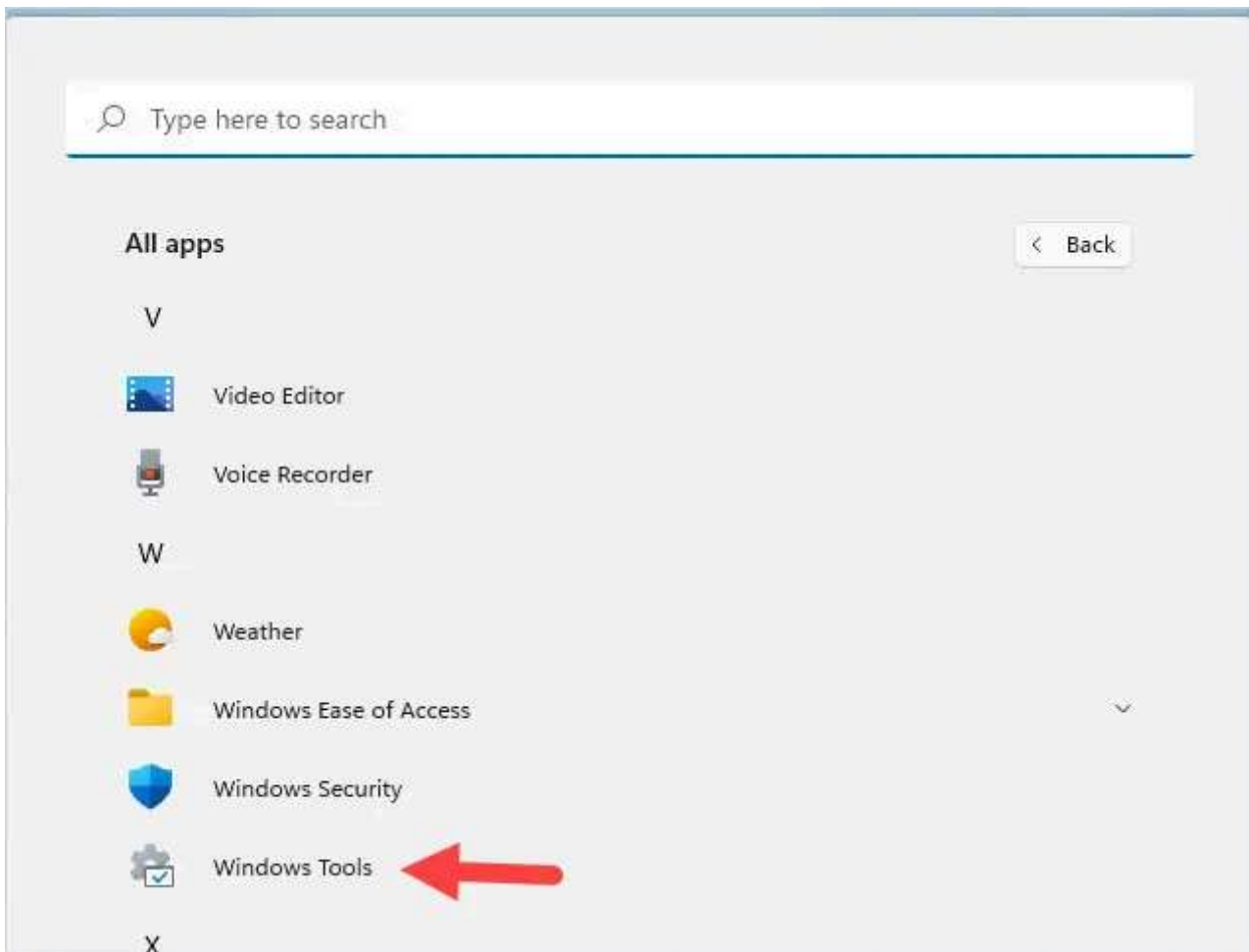
In this example, I'll select the Active Directory Domain Services tool.



Click "Next".

Click "Install".

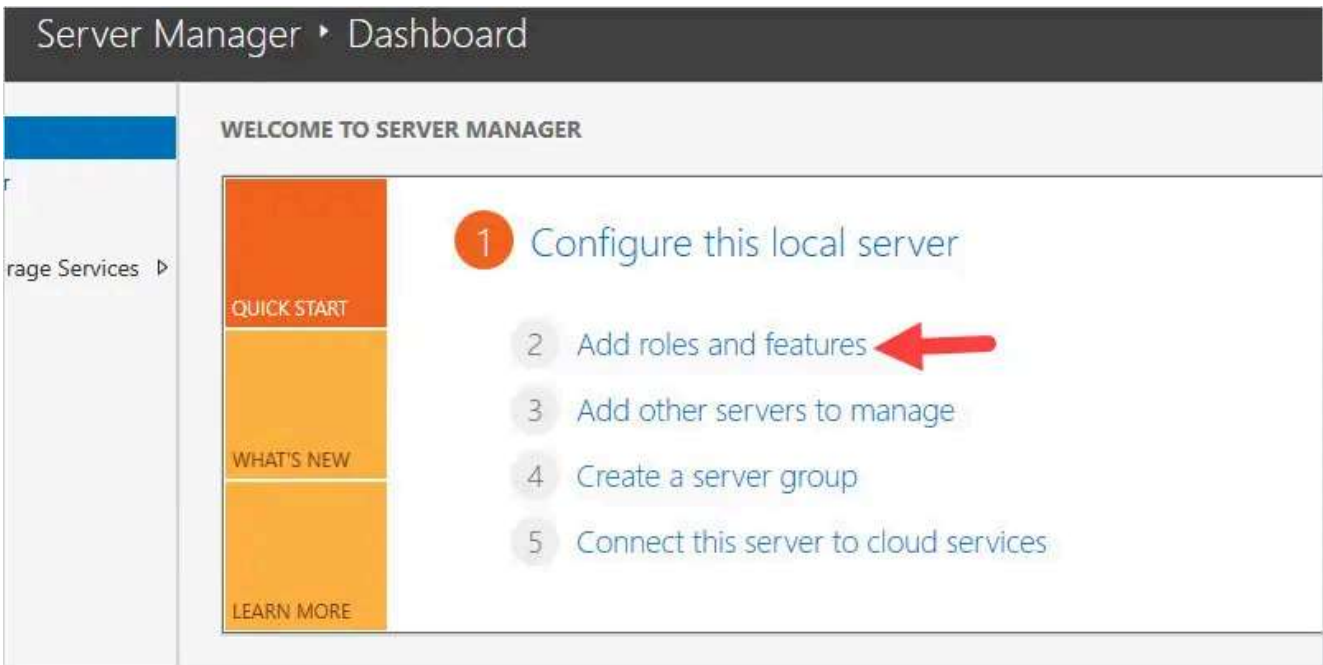
When the installation is complete, you can access the tools by going to all apps -> Windows Tools.



Install RSAT on Windows Server

These steps work for Server 2016, 2019, and 2022.

1. Open the Server Manager and click on Add roles and features



Click Next.

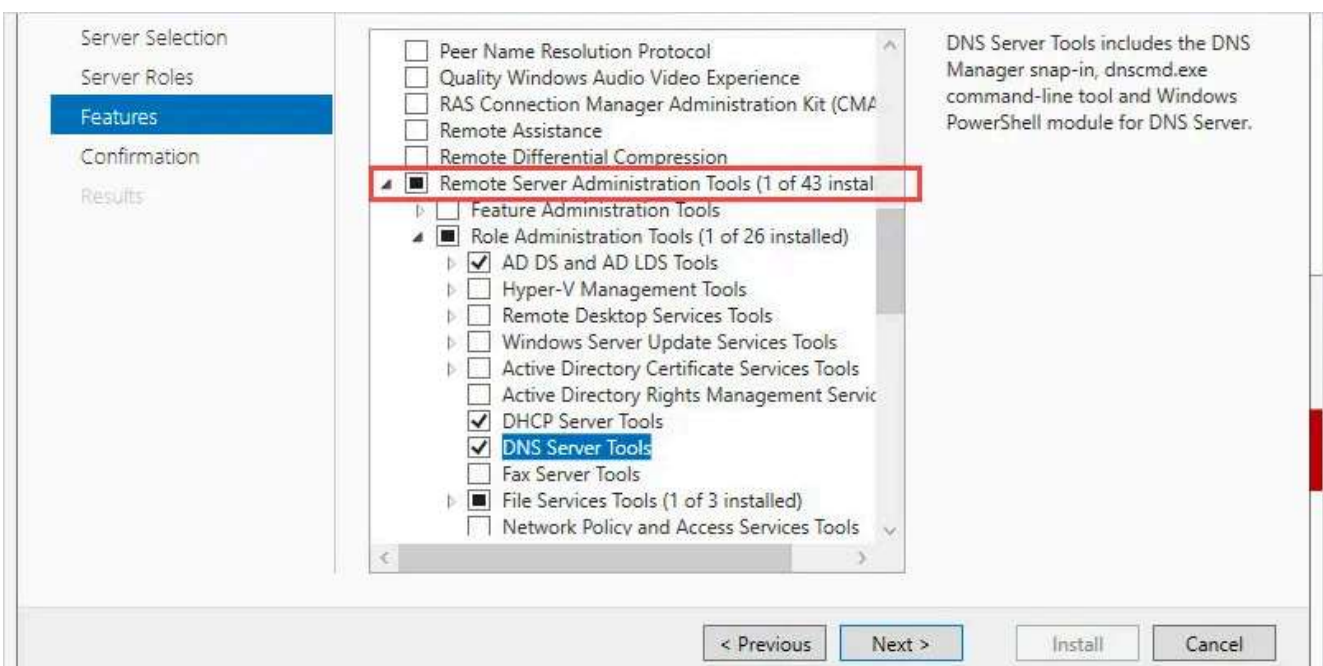
Select "Role-based or featured-based installation" and click next

Select your server and click next.

For server roles click Next. (We are not adding any server roles).

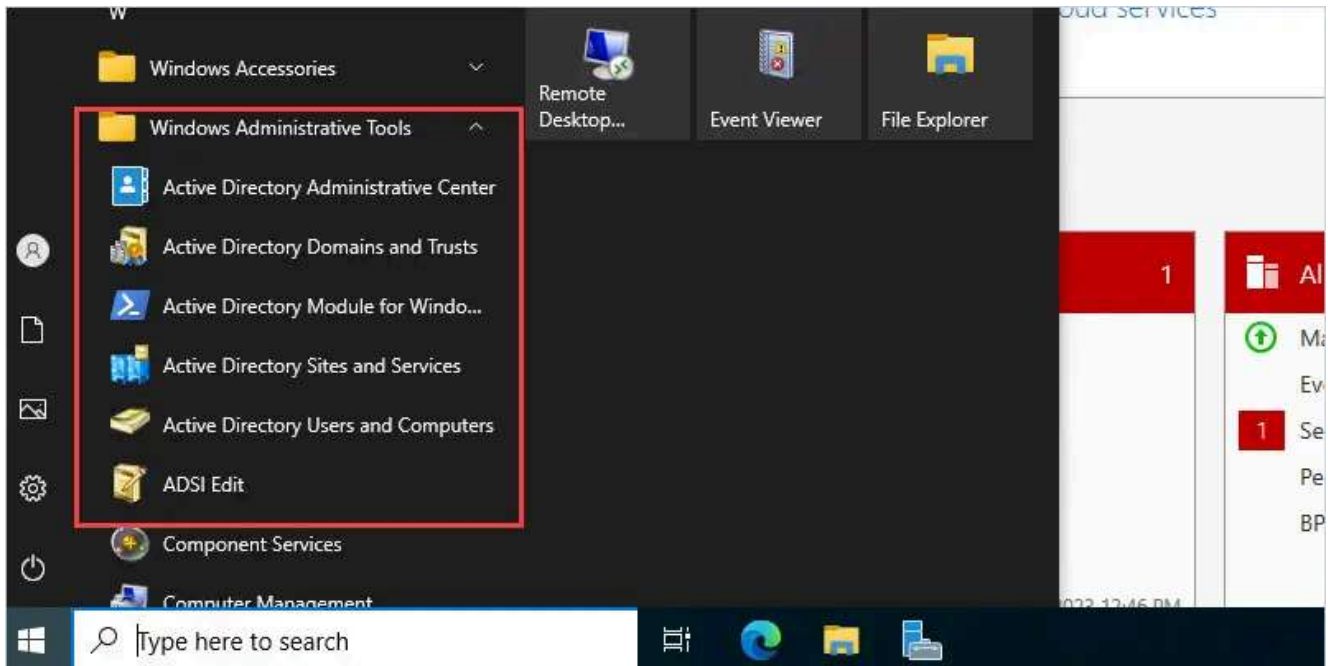
For features scroll down to Remote Server Administration Tools).

Select the tools you want to install and click next.



Confirm the selections and click install.

When the installation is complete the tool can be accessed from start -> Windows Administration Tools



Using PowerShell to Install RSAT

You can install individual RSAT tools or all of them using Powershell.

Example 1. Install all RSAT tools run the below command.

```
Get-WindowsCapability -Name RSAT* -Online | Add-WindowsCapability -Online
```

```
PS C:\Windows\system32> Get-WindowsCapability -Name RSAT* -Online | Add-WindowsCapability -Online

Path      :
Online    : True
RestartNeeded : False

Path      :
Online    : True
RestartNeeded : False

Path      :
Online    : True
RestartNeeded : False

Path      :
Online    : True
RestartNeeded : False

Path      :
Online    : True
RestartNeeded : False

Path      :
Online    : True
RestartNeeded : False

Path      :
```

Example 2. Install Specific RSAT Tool using PowerShell

To install individual tools you will use the `Add-WindowsCapability -Online -Name` command followed by the PowerShell tool name.

In this example, I'll install the Active Directory Domain Servers tools using the command below.

```
Add-WindowsCapability -Online -Name Rsat.ActiveDirectory.DS-LDS.Tools~~~~0.0.1.0
```

Use the names below to install other RSAT tools via PowerShell.

Active Directory Domain Servers and Lightweight Directory Services

Tools: `Rsat.ActiveDirectory.DS-LDS.Tools~~~~0.0.1.0`

BitLocker Drive Encryption Administration Tools:

`Rsat.BitLocker.Recovery.Tools~~~~0.0.1.0`

Active Directory Certificate Services:

`Rsat.CertificateServices.Tools~~~~0.0.1.0`

DHCP Server Tools:

`Rsat.DHCP.Tools~~~~0.0.1.0`

DNS Server Tools:

Rsat.Dns.Tools~~~~0.0.1.0

Failover Clustering Tools:

Rsat.FailoverCluster.Management.Tools~~~~0.0.1.0

File Services Tools:

Rsat.FileServices.Tools~~~~0.0.1.0

Group Policy Management Tools:

Rsat.GroupPolicy.Management.Tools~~~~0.0.1.0

IP Address Management (IPAM) Client:

Rsat.IPAM.Client.Tools~~~~0.0.1.0

Data Center Bridging LLDP Tools:

Rsat.LLDP.Tools~~~~0.0.1.0

Network Controller Management Tools:

Rsat.NetworkController.Tools~~~~0.0.1.0

Network Load Balancing Tools:

Rsat.NetworkLoadBalancing.Tools~~~~0.0.1.0

Remote Access Management Tools:

Rsat.RemoteAccess.Management.Tools~~~~0.0.1.0

Remote Desktop Services Tools:

Rsat.RemoteDesktop.Services.Tools~~~~0.0.1.0

Server Manager:

Rsat.ServerManager.Tools~~~~0.0.1.0

Shielded VM Tools:

Rsat.Shielded.VM.Tools~~~~0.0.1.0

Storage Migration Service Management Tools:

Rsat.StorageMigrationService.Management.Tools~~~~0.0.1.0

Storage Replica Module for Windows PowerShell:

Rsat.StorageReplica.Tools~~~~0.0.1.0

System Insights Module for Windows PowerShell:

Rsat.SystemInsights.Management.Tools~~~~0.0.1.0

Volume Activation Tools:

Rsat.VolumeActivation.Tools~~~~0.0.1.0

Windows Server Update Services Tools:

Rsat.WSUS.Tools~~~~0.0.1.0

You can use PowerShell to view which RSAT tools are installed with the following command.

```
Get-WindowsCapability -Name RSAT* -Online | Select-Object -Property DisplayName, State
```

You are done. I find the PowerShell much easier.

I hope you found this tutorial useful.

Related Content

[Active Directory Administrative Center](#)

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< [PowerShell: Export Active Directory Group Members](#)

> [How to Find and Remove Old Computer Accounts in Active Directory](#)

14 thoughts on “Install RSAT Tools (Windows 10,11, Windows Server)”

Hank Freeman

[March 21, 2024 at 3:05 pm](#)

In Windows11 you will find what you need in System → Optional Features → View Features.. The above Apps → Optional Features is no longer a Valid location.

[Reply](#)

Serenity Marlene

[April 22, 2024 at 12:54 pm](#)

For anyone else that is looking for Optional Features with Apps and Features, honestly just type in the Windows search bar “Optional Features” and it will immediately pop up

[Reply](#)

BobS

[January 30, 2024 at 9:01 pm](#)

The path to install in the windows interface is now:

Settings >> System (NOT Apps) >> Optional features.....

Just FYI.

[Reply](#)

Fan

[December 7, 2023 at 3:14 pm](#)

I have Windows 11 Home version 22H2.

I do not find RSAT tools under Optional Features.

I try to install Active Directory from PowerShell without success.

Looks like it gets stuck during PowerShell installation.

Operation

Running

[00000000]

```
PS C:\windows\system32> Get-WindowsCapability -Name  
"Rsat.ActiveDirectory.DS-LDS.Tools*" -online | Select-Object -Property  
Name, State
```

Name State

--- ---

```
Rsat.ActiveDirectory.DS-LDS.Tools~~~~0.0.1.0 Staged
```

```
PS C:\windows\system32> Get-WindowsCapability -Online -Name  
"Rsat.ActiveDirectory.DS-LDS.Tools*" | Add-WindowsCapability -  
Online
```

[Reply](#)

Parth

[March 4, 2024 at 3:38 pm](#)

I am getting the same Error if anyone know please let me know how to solve this problem

[Reply](#)

Robert Allen

[March 4, 2024 at 3:48 pm](#)

If you have Windows Home, it is not supported.

From Microsoft "***Remote Server Administration Tools for Windows 10 can be installed ONLY on computers that are running the full release of Windows 10 Professional, Windows 10 Enterprise, or Windows 10 Education.*"

See the system requirements section.

<https://www.microsoft.com/en-us/download/details.aspx?id=45520>

[Reply](#)

Robert Allen[March 4, 2024 at 3:46 pm](#)

RSAT is not supported on Windows Home. Only Pro, Enterprise and Education.

[Reply](#)**jack**[November 7, 2023 at 2:10 am](#)

what do we do after we install all of this. My goal is to be able to use active directory users and computers.

[Reply](#)**Robert Allen**[November 7, 2023 at 2:28 am](#)

Start -> Windows Administrative Tools -> Active Directory Users and Computers

[Reply](#)**Per**[February 22, 2023 at 10:20 am](#)

run as administrator!

[Reply](#)

Per

[February 22, 2023 at 10:18 am](#)

```
PS C:\Windows\System32> Get-WindowsCapability -Name RSAT* -
Online | Add-WindowsCapability -Online
Add-WindowsCapability : Cannot validate argument on parameter
'Name'. The argument is null or empty. Provide an arg
the command again.
```

At line:1 char:45

```
+ ... WindowsCapability -Name RSAT* -Online | Add-
WindowsCapability -Online
```

```
+ ~~~~~
```

```
+ CategoryInfo : InvalidData:
```

```
(Microsoft.Dism....apabilityObject:PSObject) [Add-
WindowsCapability], Pa
```

```
+ FullyQualifiedErrorId :
```

```
ParameterArgumentValidationError,Microsoft.Dism.Commands.AddW
indowsCapabilityCommand
```

[Reply](#)

Rauf

[April 14, 2021 at 1:15 pm](#)

Ada installer RSAT win10 ver 20H2?

[Reply.](#)

Sanjana Tantri

[December 8, 2020 at 6:29 am](#)

This is really helpful!!

[Reply.](#)

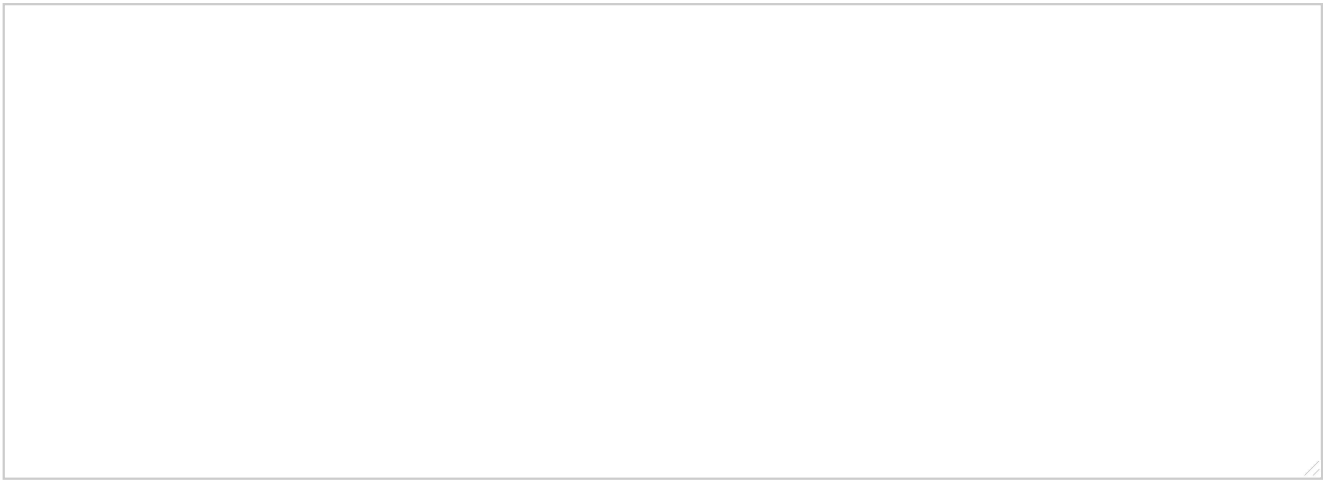
Ned Bakelman

[August 1, 2019 at 1:53 pm](#)

This was terrific and extremely helpful. Thank you very much!

[Reply.](#)

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