

ITAS 141 Lab 3

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Activity 3-1

Loaded the initial config snapshots that I made a few weeks ago

Activity 3-2

In this section, I will be installing some windows server roles onto my DC1 and my DM1 virtual machines and then removing them afterwards.

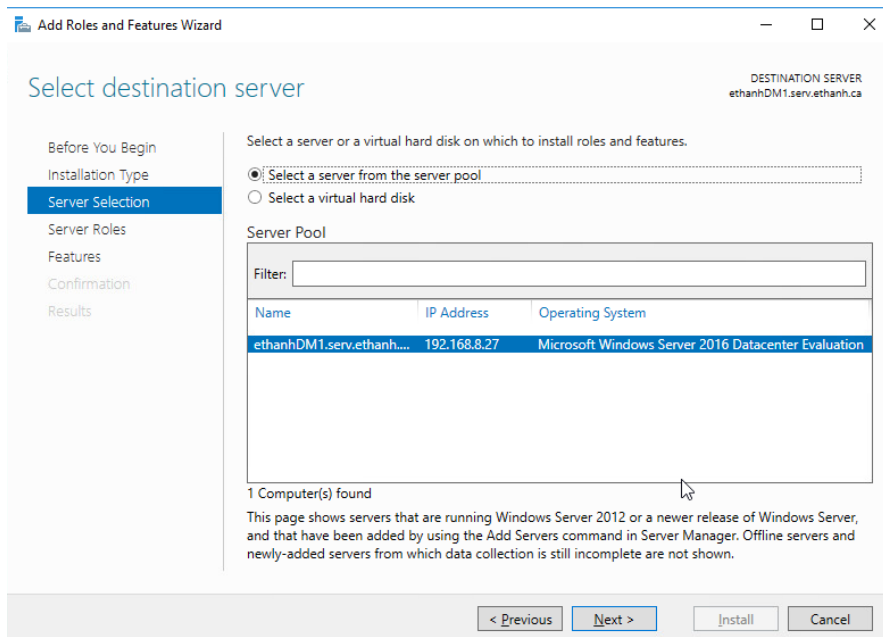


Figure 1: Server Selection

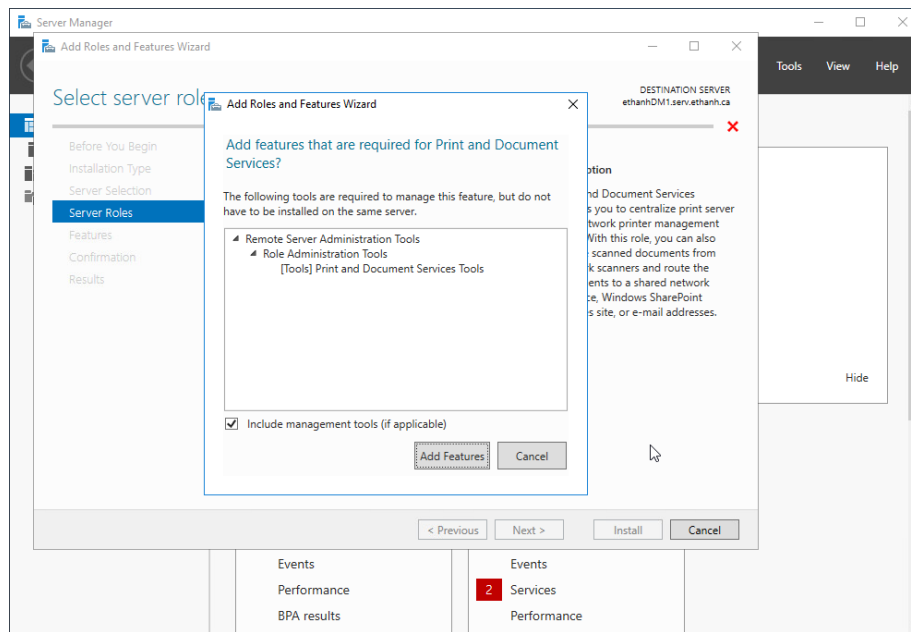


Figure 2: Adding the print service tools

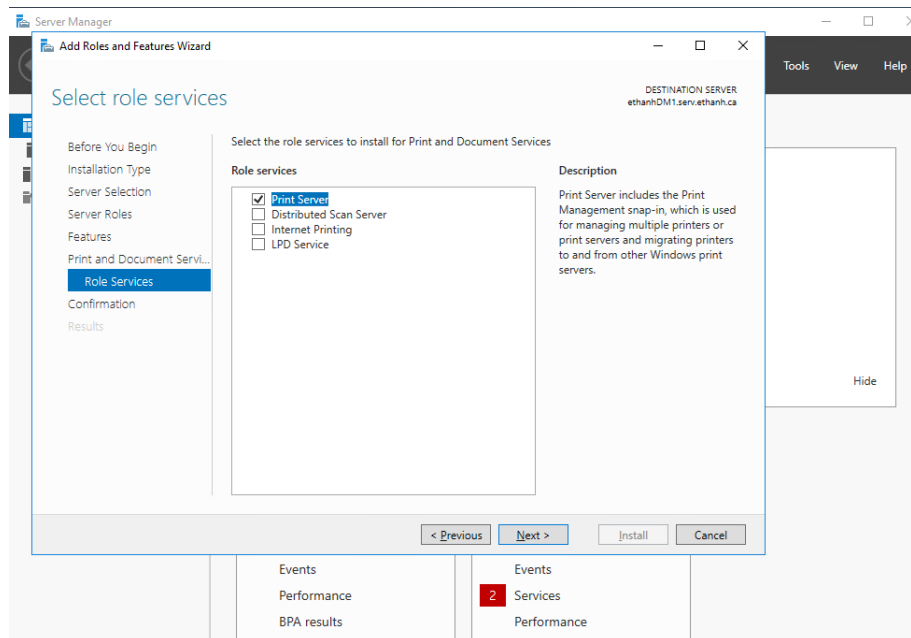


Figure 3: Selecting the print service role

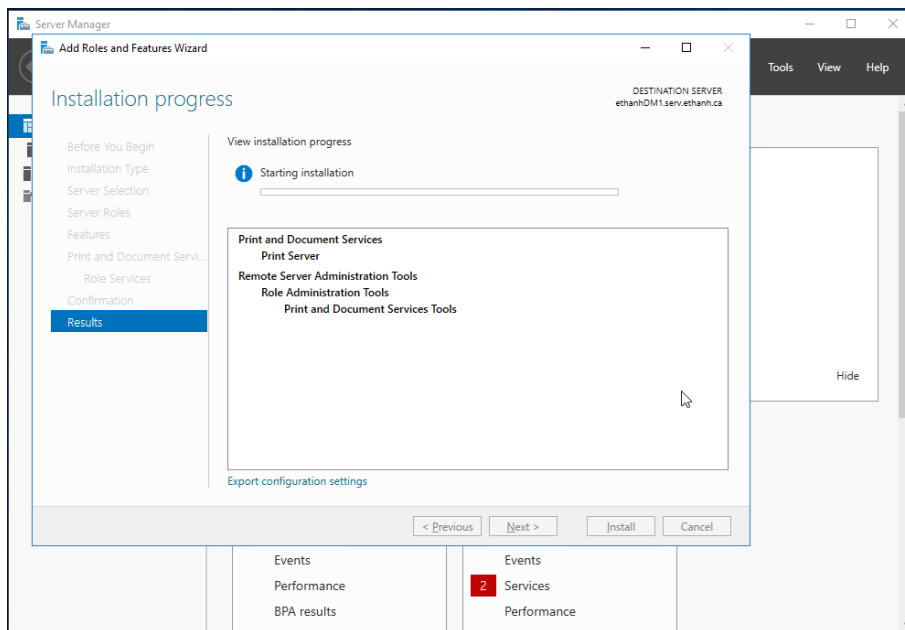


Figure 4: Finishing the install of the print service tool

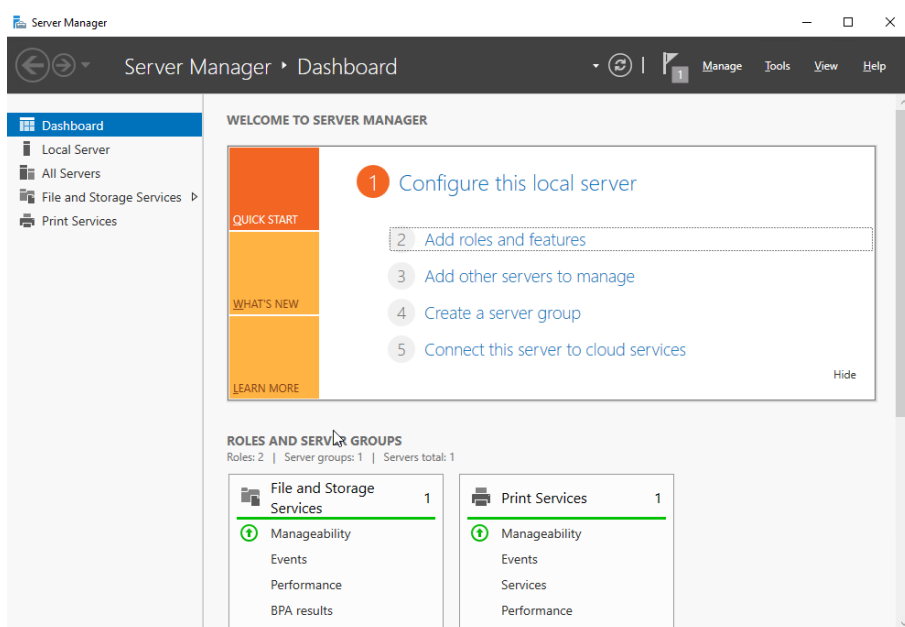


Figure 5: Showing that the print service tool is there and installed

Removing the print feature.

Clicking the manage button in the top right we can access the remove roles and features tab. From this tab, the process for removing features is almost the exact same, except this time we will click the checkbox to unmark the print services to remove them from our services as demonstrated in the figure below.

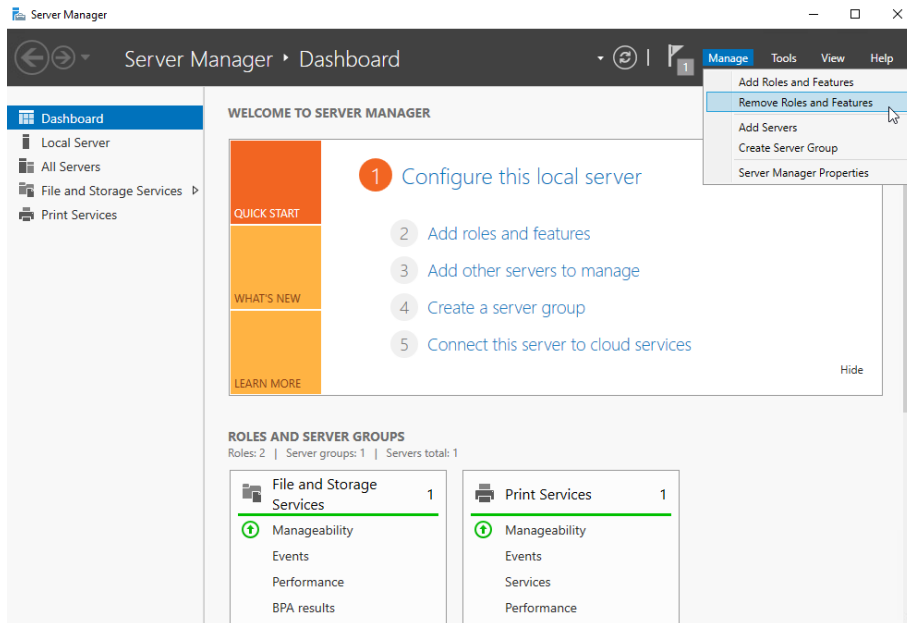


Figure 6: Similar to adding the role, here we click remove

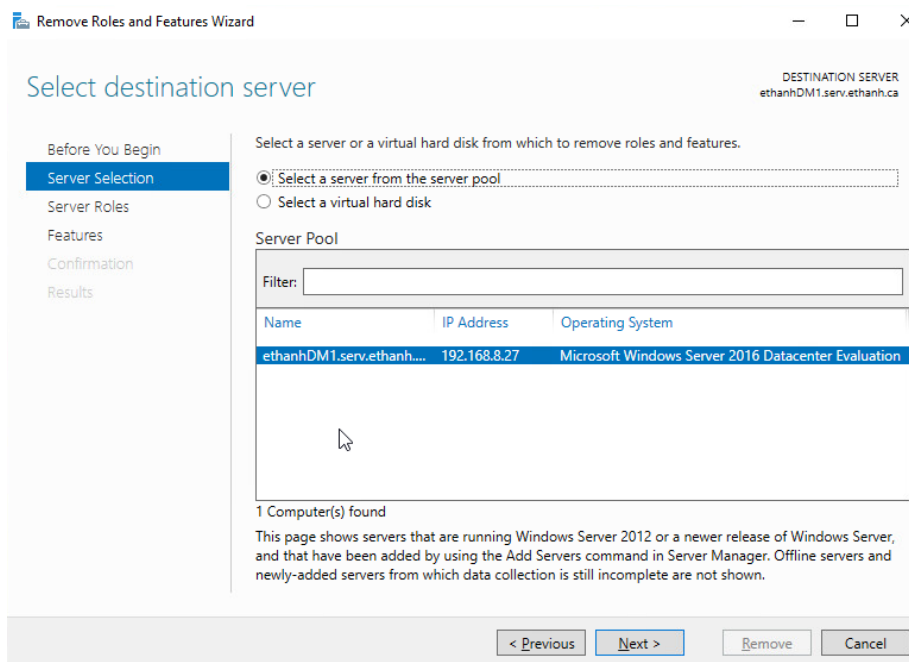


Figure 7: Selecting the server we are removing from

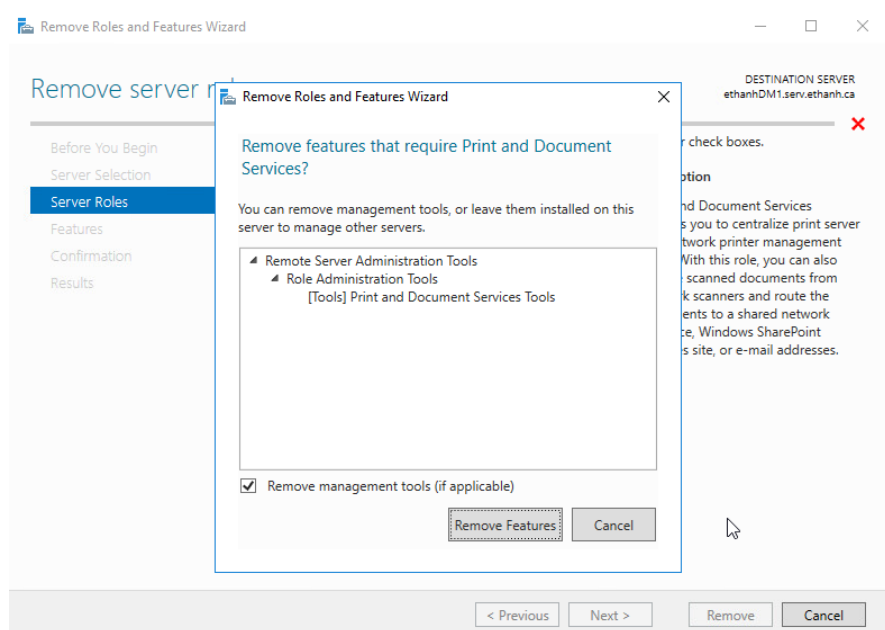


Figure 8: After selecting the print service tool, we uninstall the service

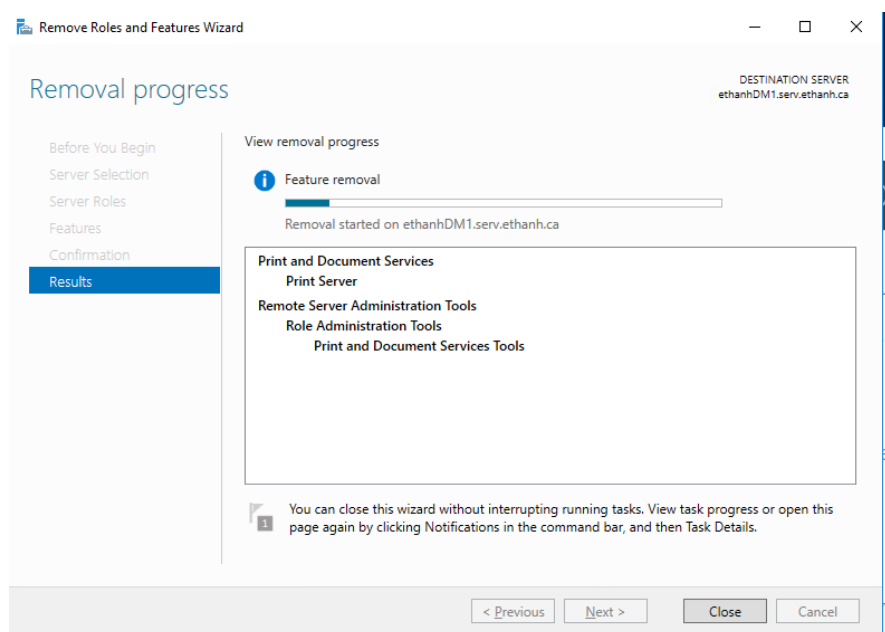


Figure 9: Finishing up the uninstall

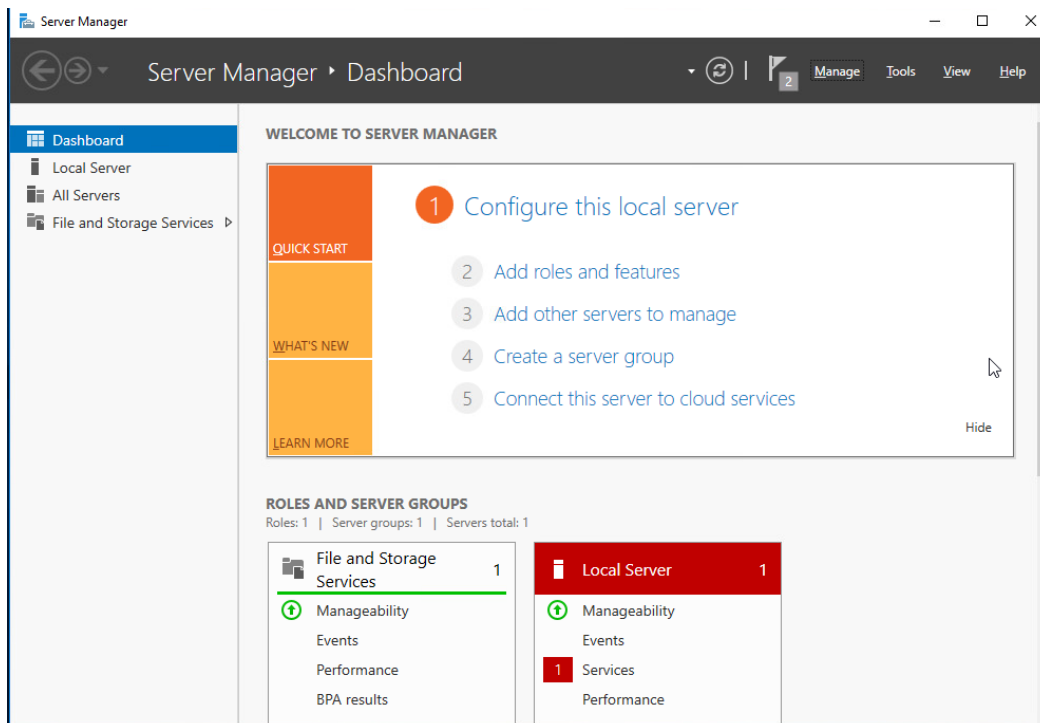


Figure 10: Showing that the service is gone

Activity 3-3

Following the figures below, you can see the steps I used for Installing and uninstalling the print service through PowerShell in server core

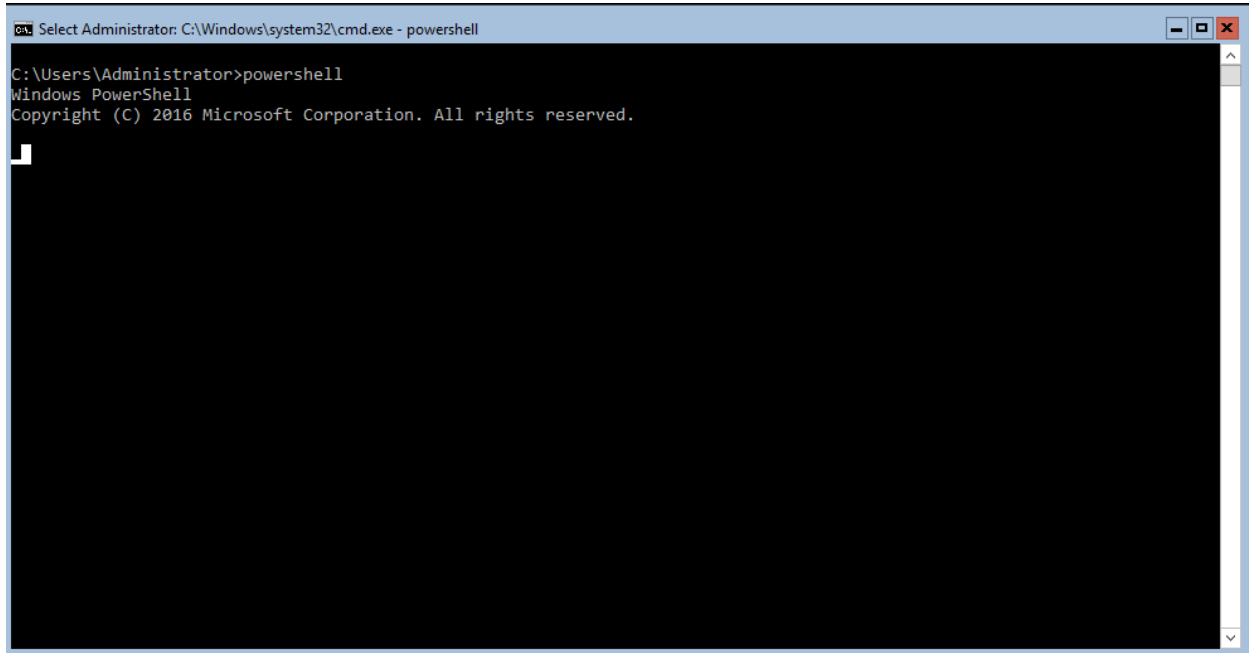


Figure 11: Opening powershell on our server core machine

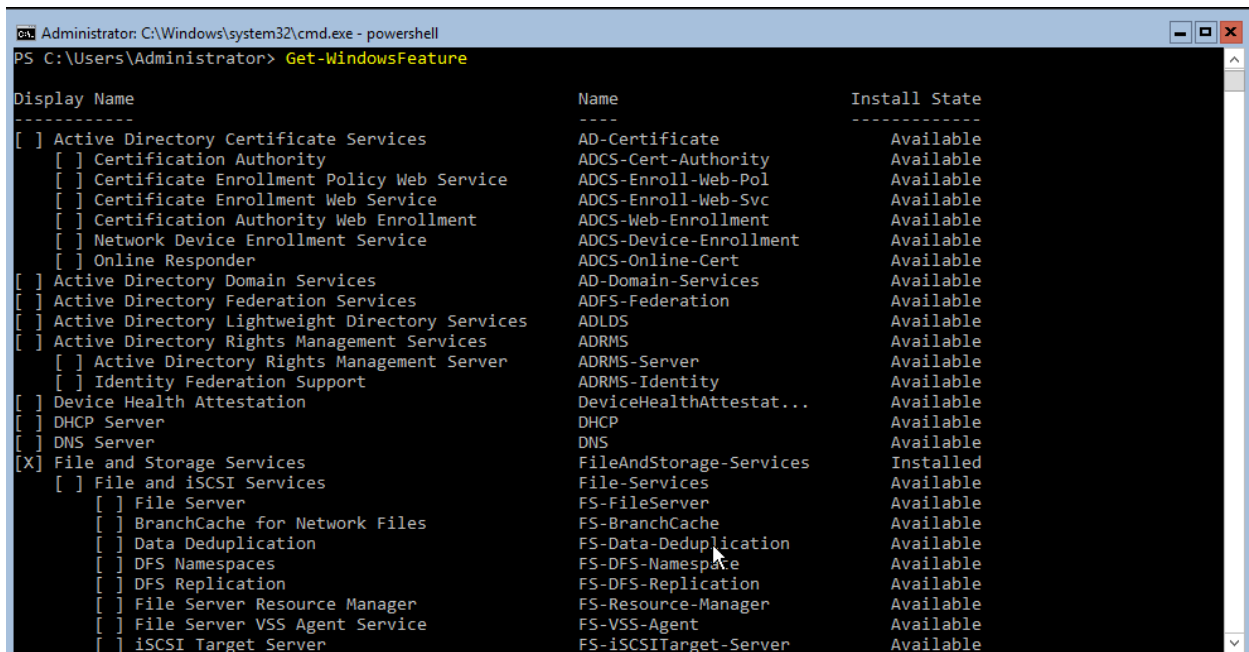


Figure 12: Showing all services that can be installed

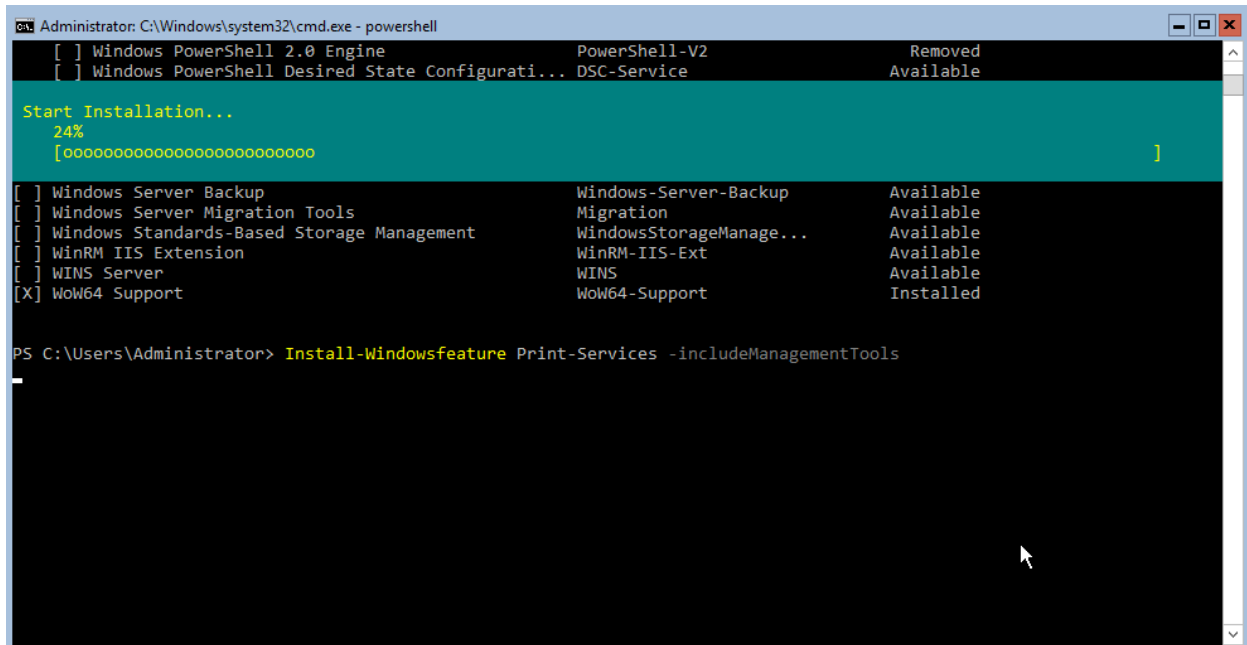


Figure 13: Using the power shell command to give us access to Print tools

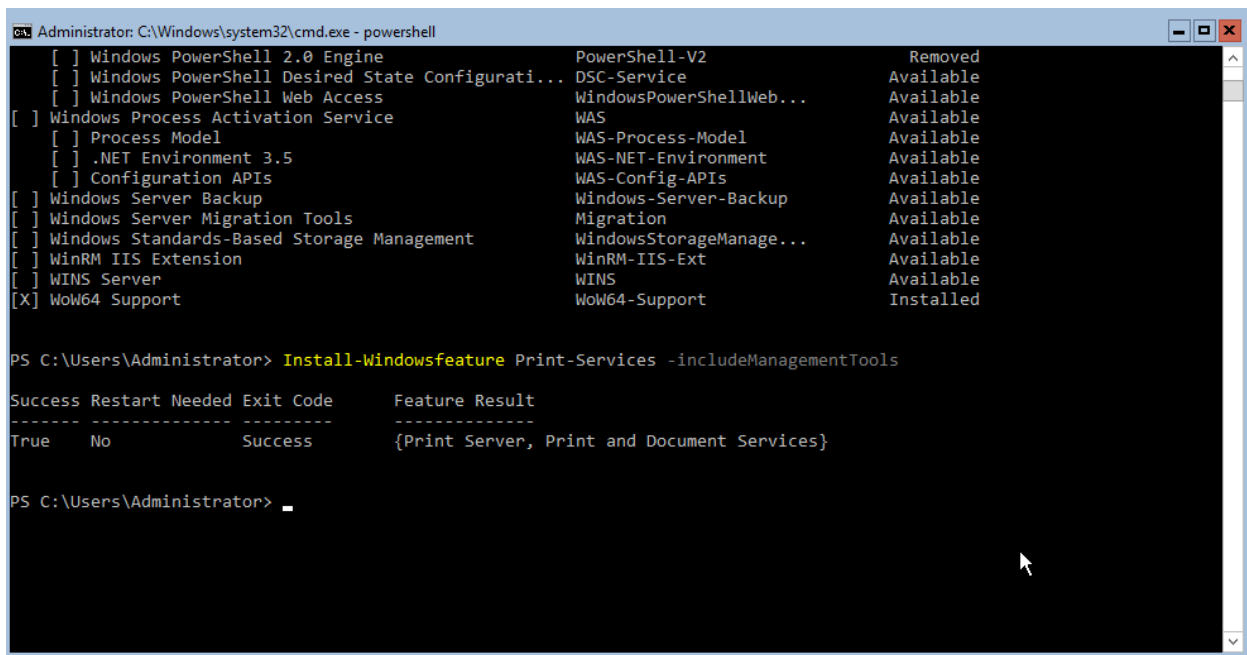


Figure 14: Showing that the program installed correctly

```
PS C:\Users\Administrator> Get-Windowsfeature | where installed
```

Display Name	Name	Install State
[X] File and Storage Services	FileAndStorage-Services	Installed
[X] Storage Services	Storage-Services	Installed
[X] Print and Document Services	Print-Services	Installed
[X] Print Server	Print-Server	Installed
[X] .NET Framework 4.6 Features	NET-Framework-45-Fea...	Installed
[X] .NET Framework 4.6	NET-Framework-45-Core	Installed
[X] WCF Services	NET-WCF-Services45	Installed
[X] TCP Port Sharing	NET-WCF-TCP-PortShar...	Installed
[X] SMB 1.0/CIFS File Sharing Support	FS-SMB1	Installed
[X] Windows Defender Features	Windows-Defender-Fea...	Installed
[X] Windows Defender	Windows-Defender	Installed
[X] Windows PowerShell	PowerShellRoot	Installed
[X] Windows PowerShell 5.1	PowerShell	Installed
[X] WoW64 Support	Wow64-Support	Installed

```
PS C:\Users\Administrator>
```

Figure 15: Command that shows all the installed services on this machine

```
PS C:\Users\Administrator> Uninstall-windowsfeature Print-services -includemanagementtools
```

Success	Restart	Needed	Exit Code	Feature	Result
True	No		Success	{Print Server, Print and Document Services}	

```
PS C:\Users\Administrator>
```

Figure 16: Uninstalling the machine

Activity 3-4

In this activity, I was asked to add servers to server manager and then create a server group with DM1 and DM2 with the servers that I had added together.

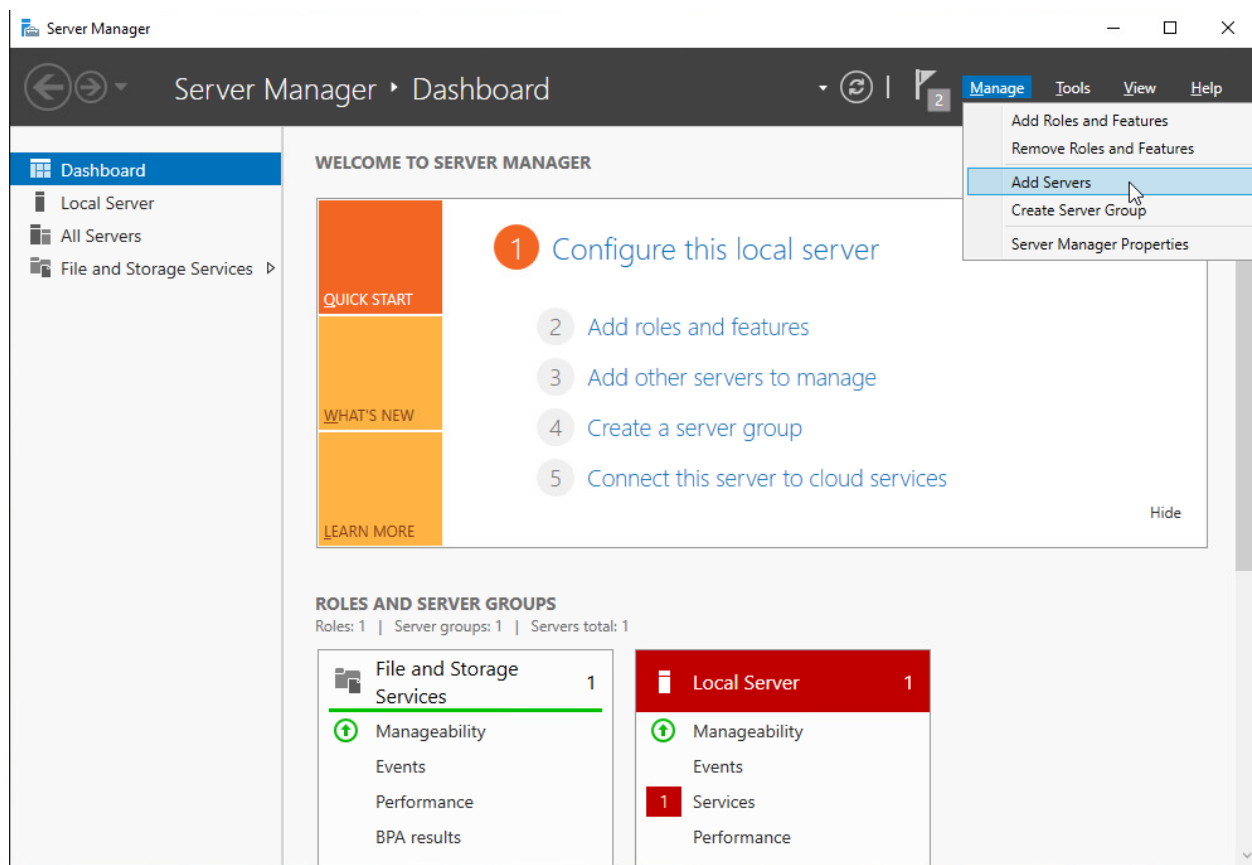


Figure 17: Showing where the add server setting is

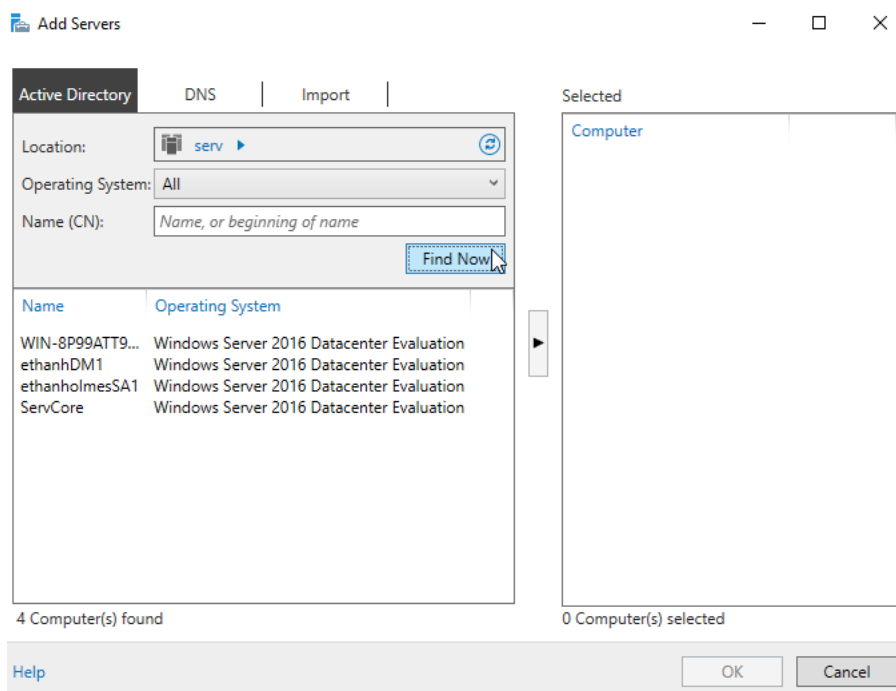


Figure 18: Add server screen, selecting our DM2/Server core machine

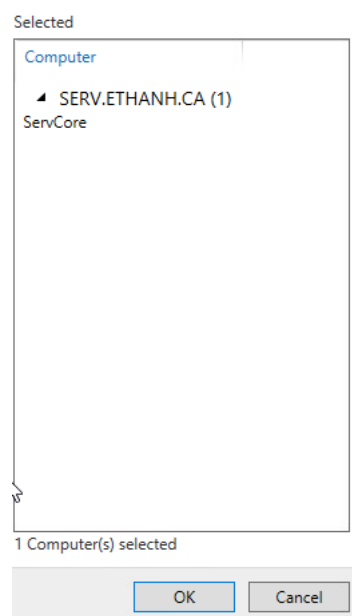


Figure 19: The selected machine

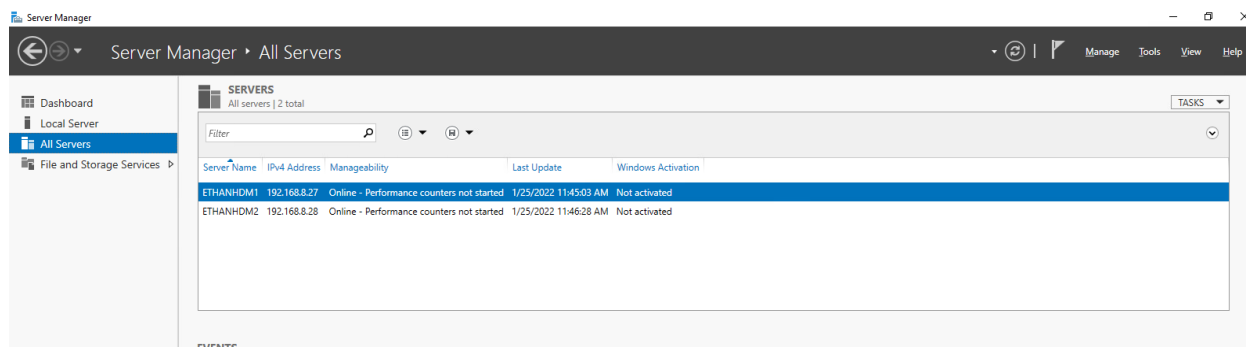


Figure 20: Showing the addition of DM2 to our server

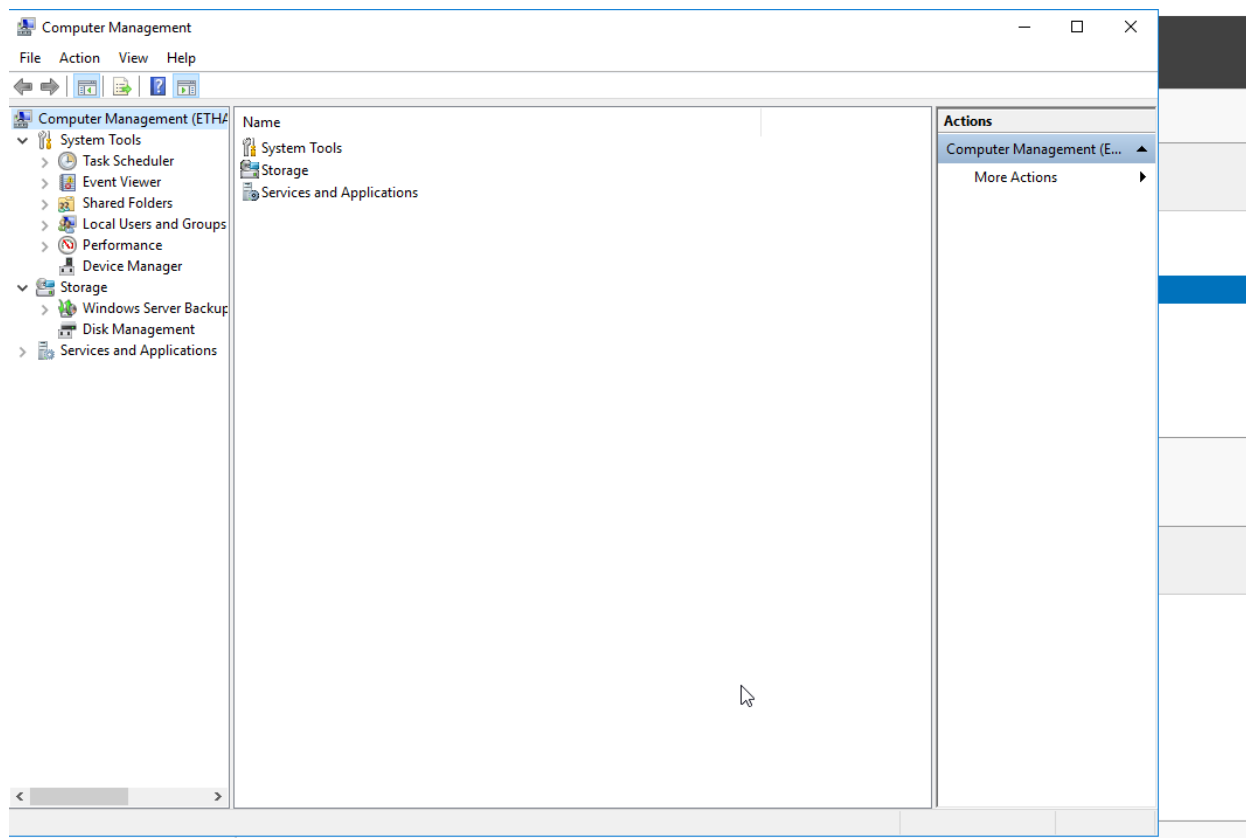


Figure 21: Access to computer management for DM2 through DM1

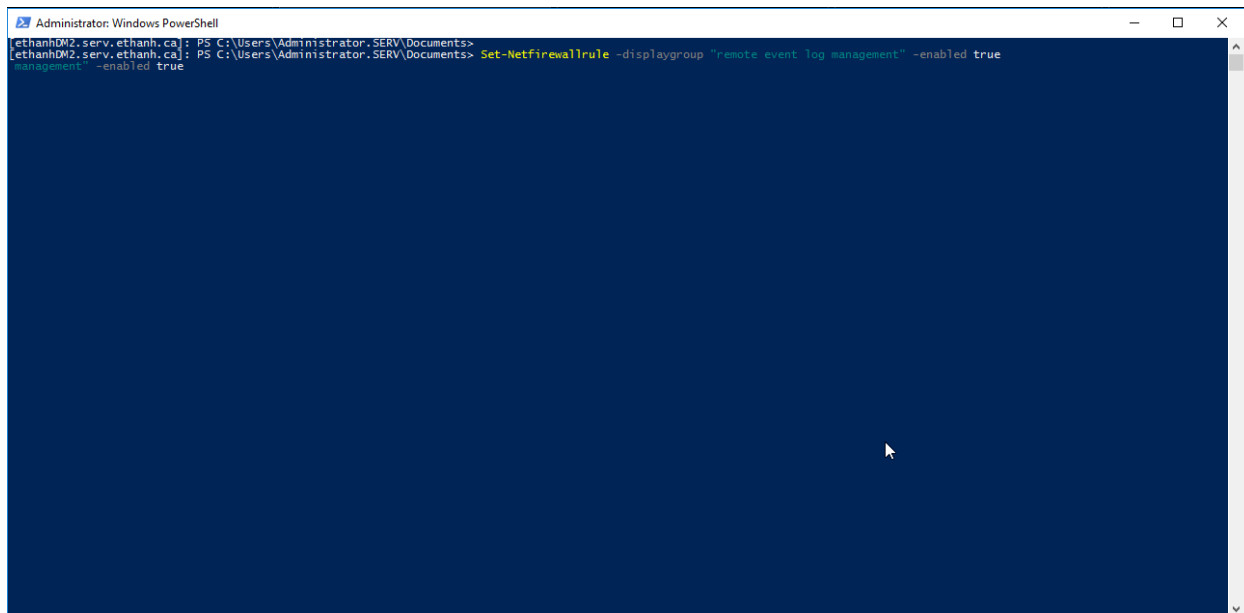


Figure 22: The firewall powerscript function to allow us to access its remote manager

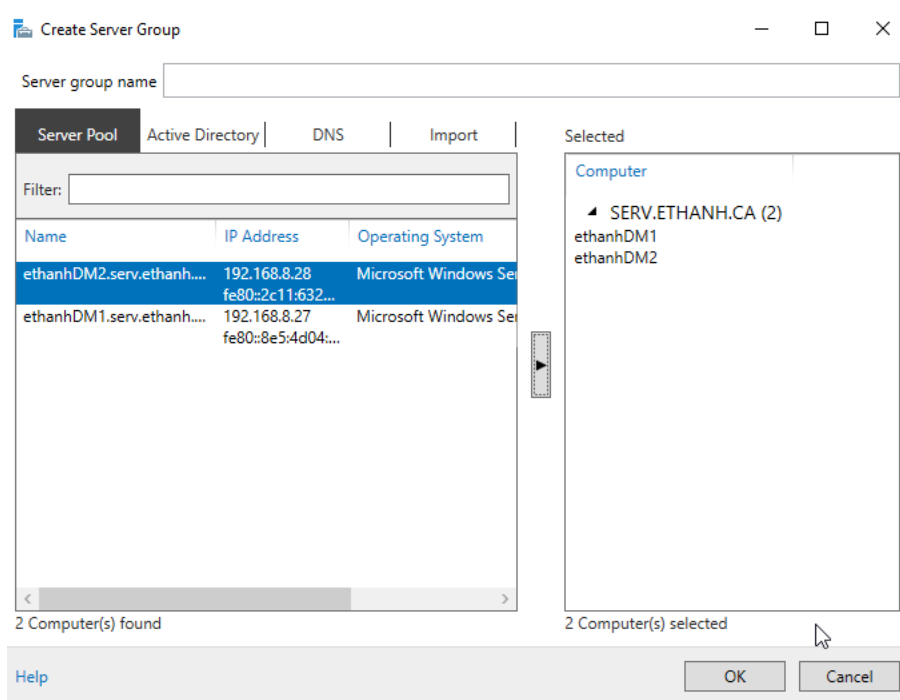


Figure 23: Creation of a server group

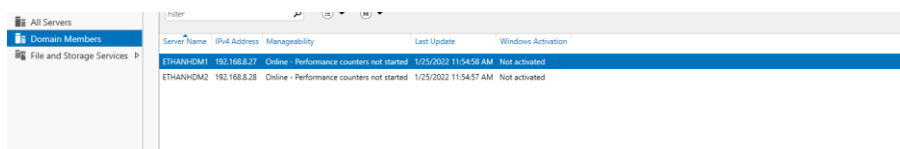


Figure 24: Our created server group

Activity 3-5

Working with windows services to add and remove the print spooler service, as well as using powershell commands to add and remove the print spooler service back.

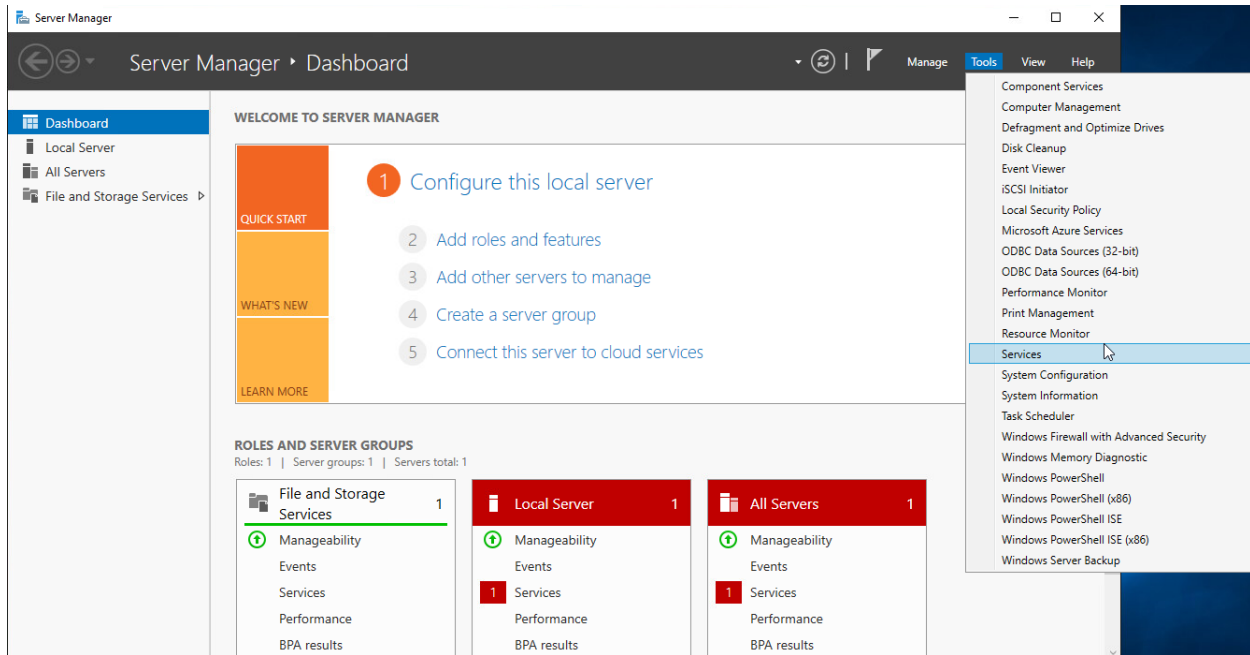


Figure 25: Access to Windows Services through Server Manager

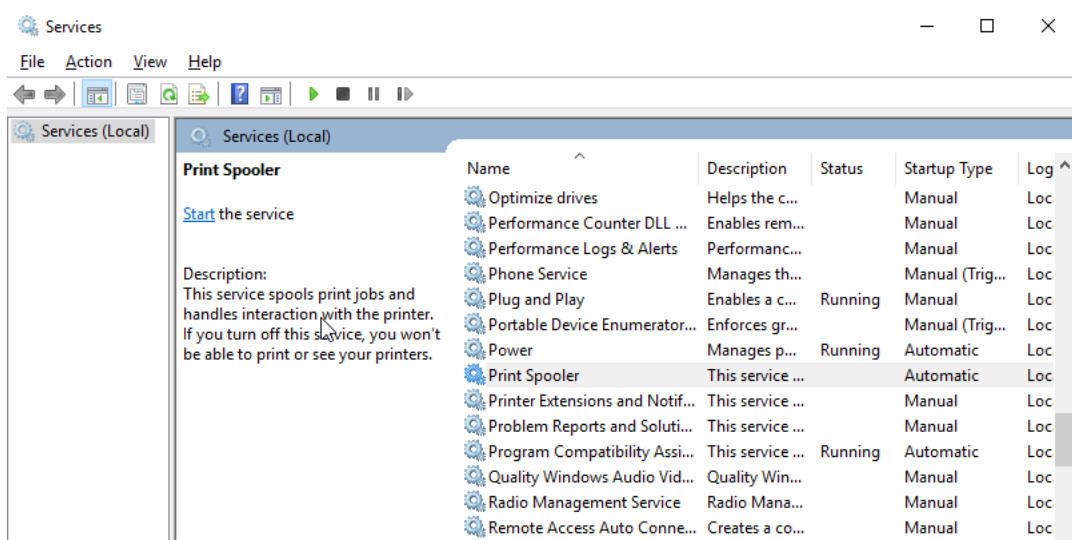


Figure 26: Stopping the print service


```
Administrator: Windows PowerShell
Windows PowerShell
Copyright (C) 2016 Microsoft Corporation. All rights reserved.

PS C:\Users\Administrator> get-service -displayname pr*

Status Name DisplayName
-----
Running PcaSvc Program Compatibility Assistant Ser...
Stopped PrintNotify Printer Extensions and Notifications
Stopped Spooler Print Spooler
Stopped wercplsupport Problem Reports and Solutions Contr...

PS C:\Users\Administrator>
```

Figure 27: Using powershell to check our services

```
Administrator: Windows PowerShell
Windows PowerShell
Copyright (C) 2016 Microsoft Corporation. All rights reserved.

PS C:\Users\Administrator> get-service -displayname pr*

Status Name DisplayName
-----
Running PcaSvc Program Compatibility Assistant Ser...
Stopped PrintNotify Printer Extensions and Notifications
Stopped Spooler Print Spooler
Stopped wercplsupport Problem Reports and Solutions Contr...

PS C:\Users\Administrator> start-service Spooler
PS C:\Users\Administrator> get-service spooler

Status Name DisplayName
-----
Running spooler Print Spooler

PS C:\Users\Administrator>
```

Figure 28: Starting the print spooler service that we had stopped earlier

Part 2: Remote Desktop Connection

In the figure below is my connection to DC1 through remote desktop on my host computer

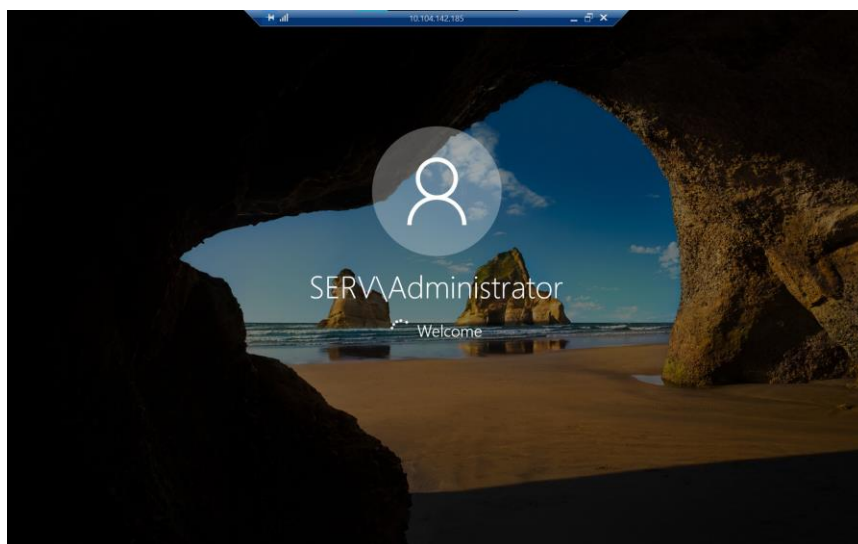


Figure 29: Remote desktop on host machine

Part 3: Remote System and administration tools

In this part, I used a fresh install of a Windows 10 VM and was able to add it to my domain, thus giving being able to remote control my server through a regular windows 10 install.

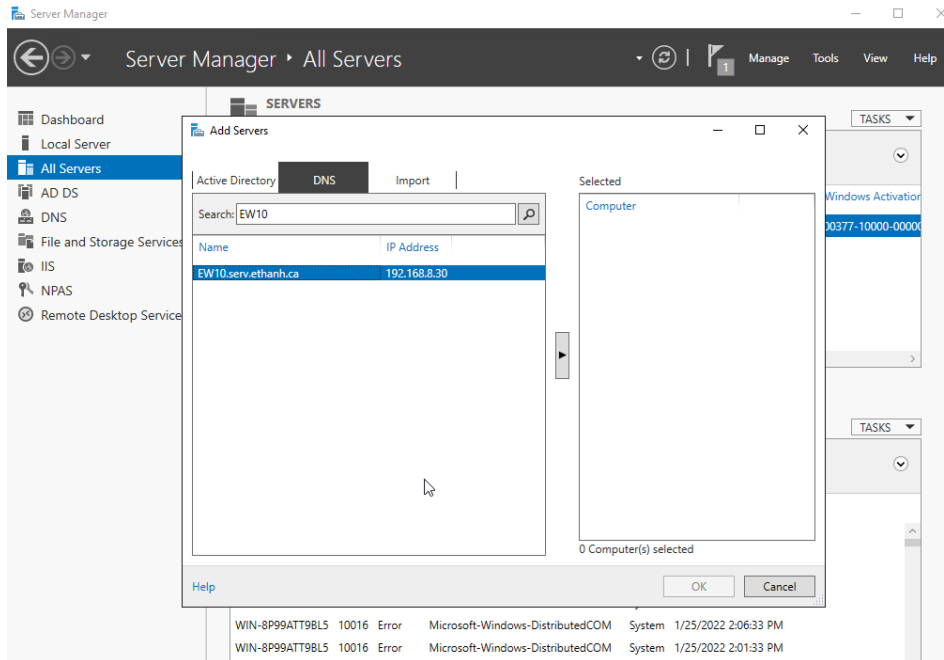


Figure 30: Showing that I can connect to my Windows 10 machine from DC1

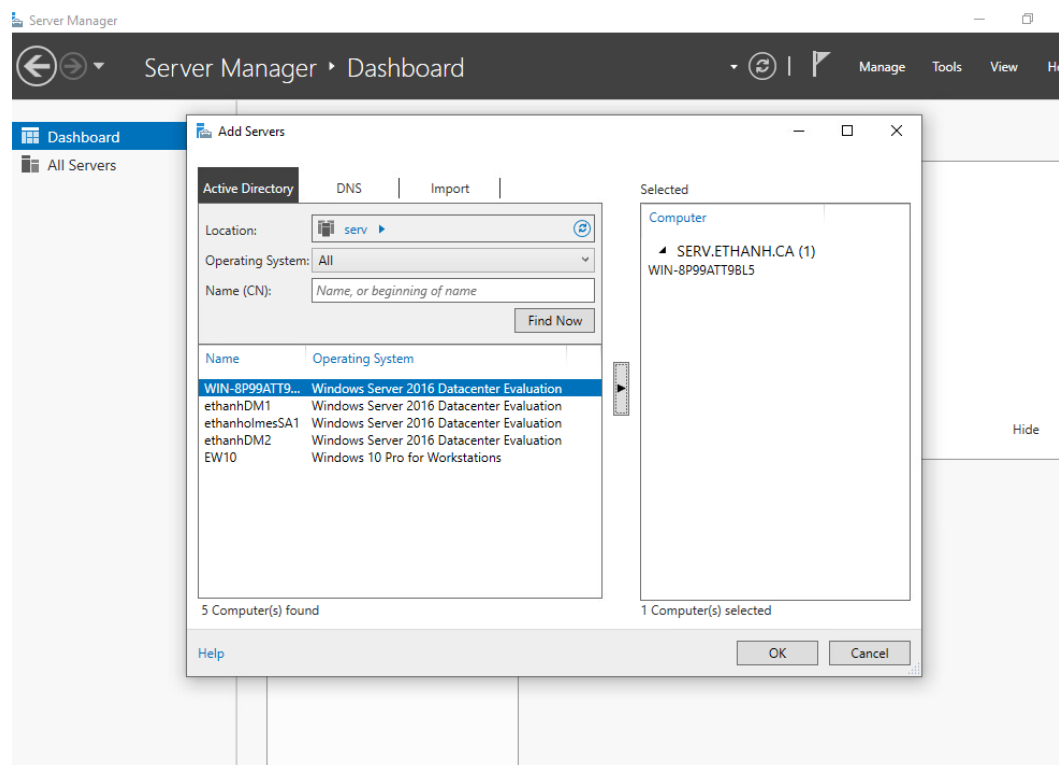


Figure 31: Using Server Manager on my Windows 10 machine to add it to my server

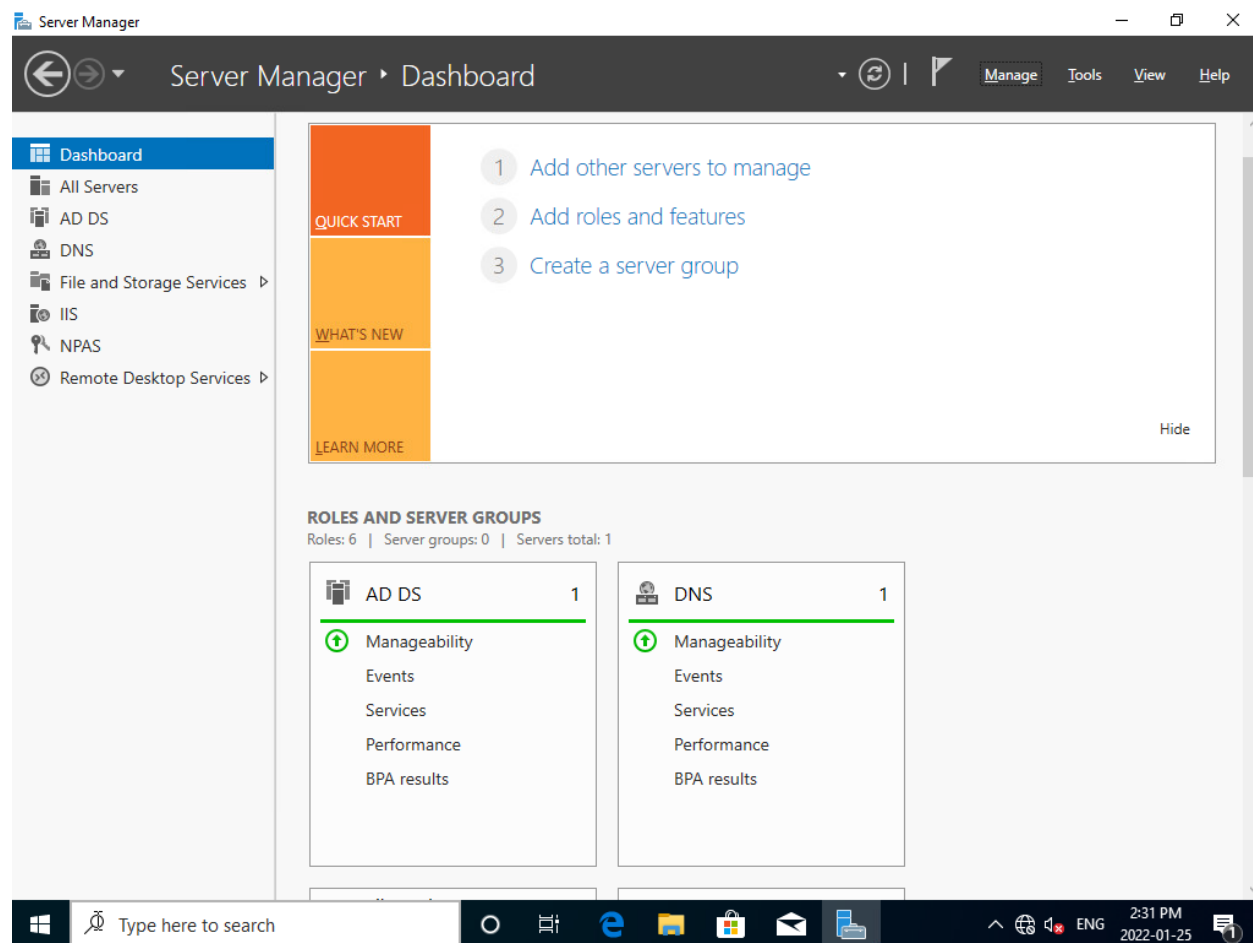


Figure 32: Having the ability to control DC1 through my Server Manager on my Windows 10 home machine