How to upgrade Windows Server 2012 to Server 2022

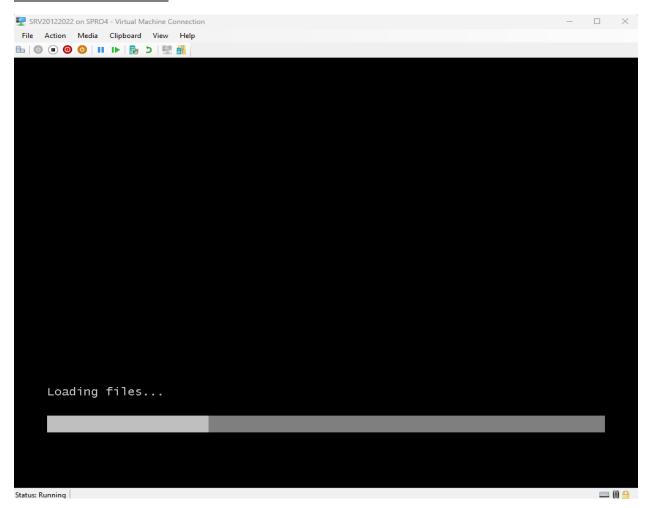
In this post, I am going to upgrade server 2012 to 2022. This server has very few roles and features installed.

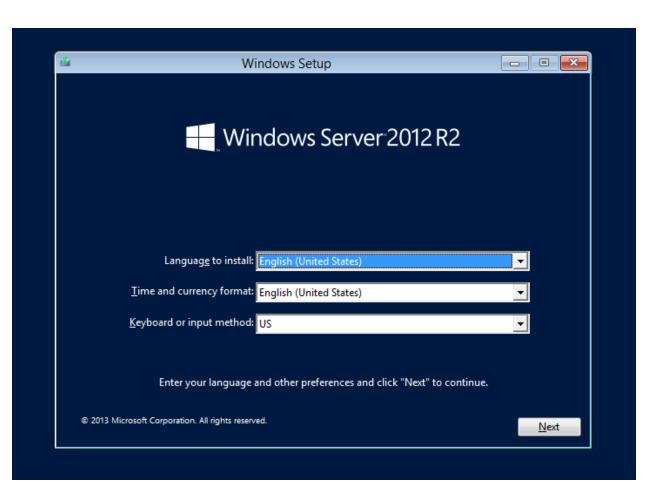
In production you should take full backup of the server in case of failure during the upgrade. I am not going to do a full backup as it is lab setup.

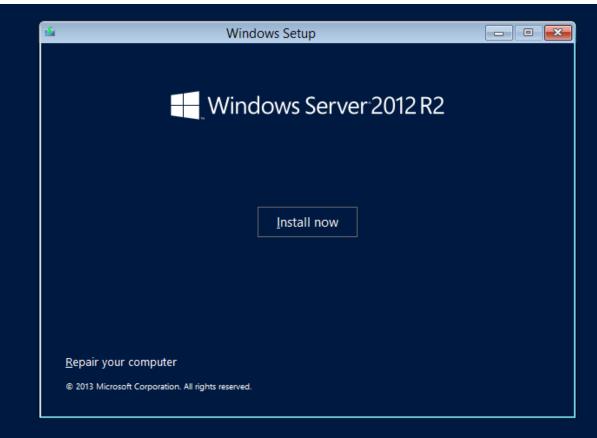
These are the procedures for the upgrade.

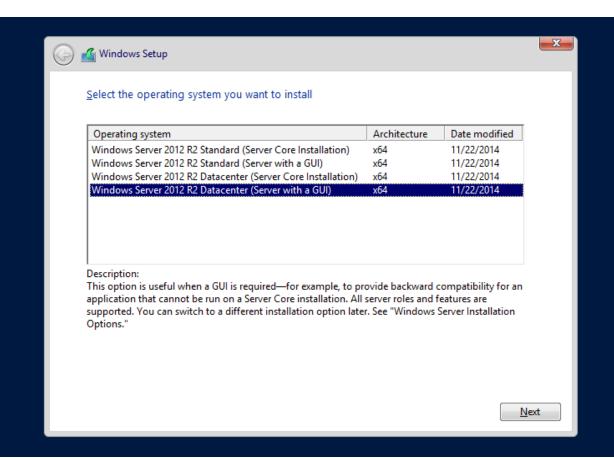
- 1. Install Windows Server 2012 as a VM
- 2. Install all the updates and restart
- 3. Install File and Print server role
- 4. Install .NET features and others see screen shot below
- 5. Mount Windows Server 2022 using virtual CD/DVD and run the installer
- 6. Go through the process and wait for the upgrade to complete
- 7. Install all the updates and check Event Viewer for any errors
- 8. Check the roles and features are present

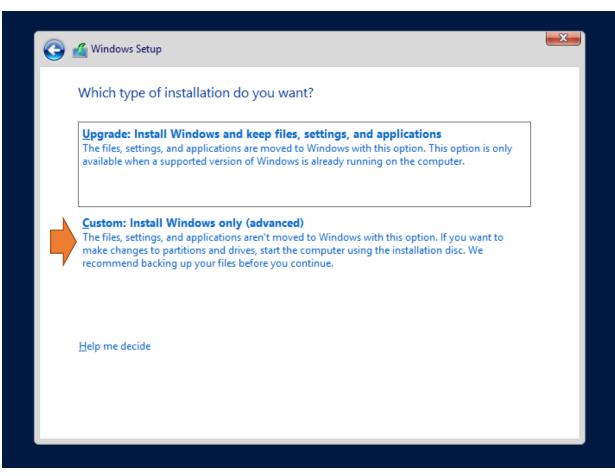
01 SERVER 2012 INSTALL:

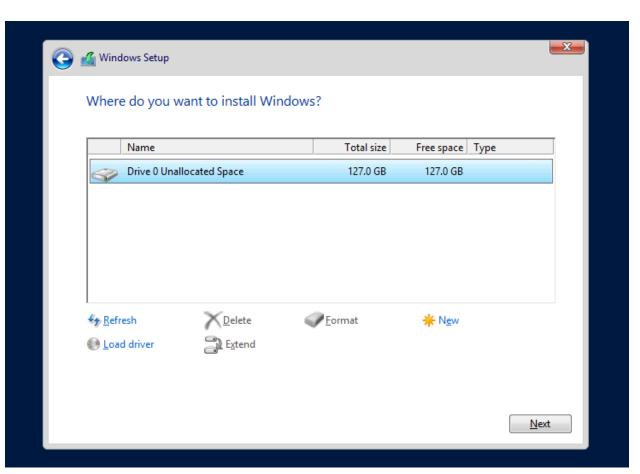


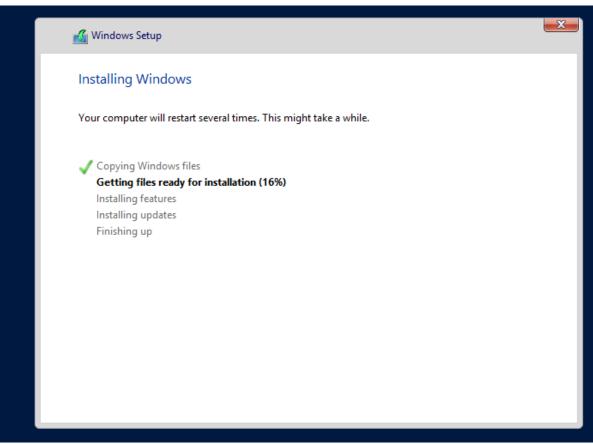


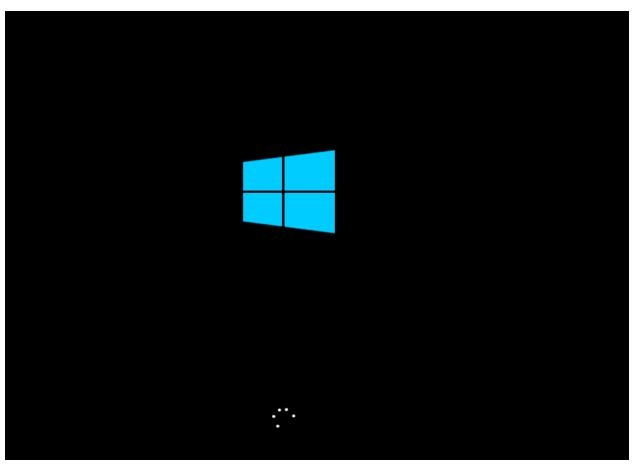


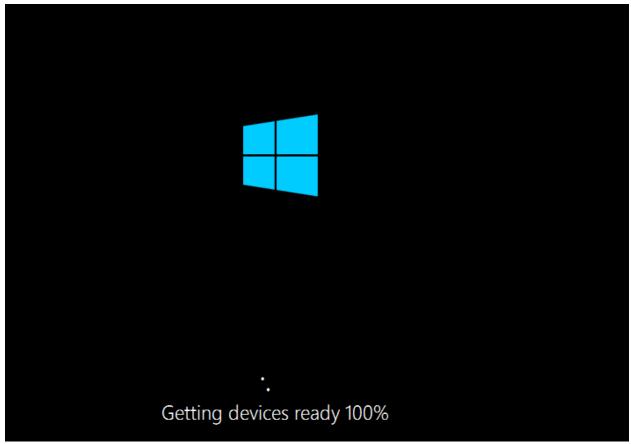


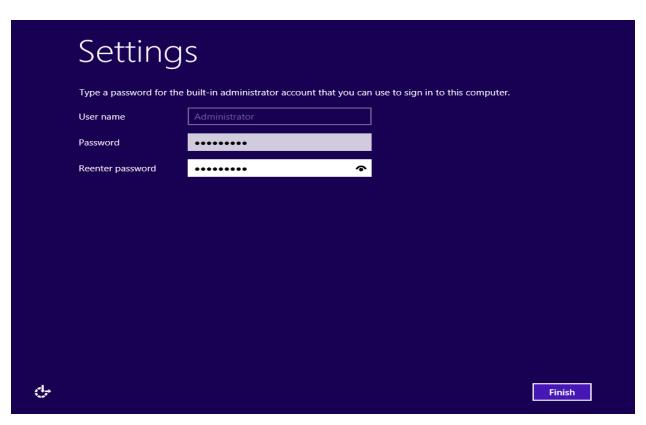




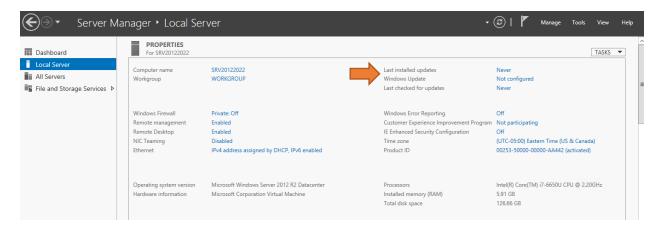




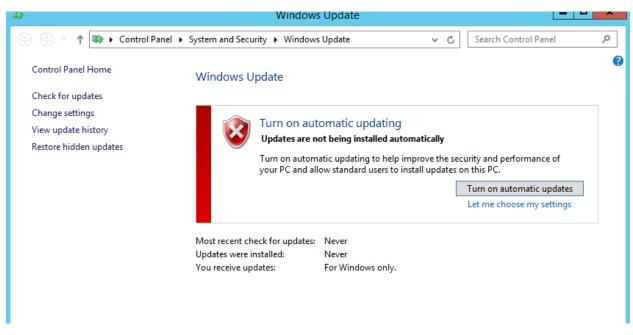




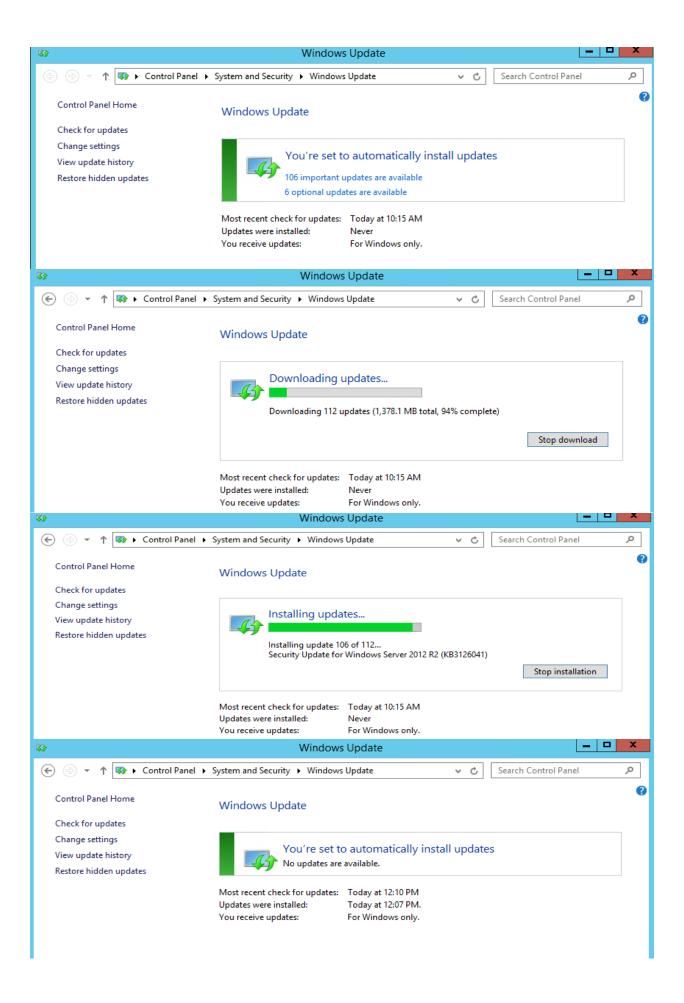




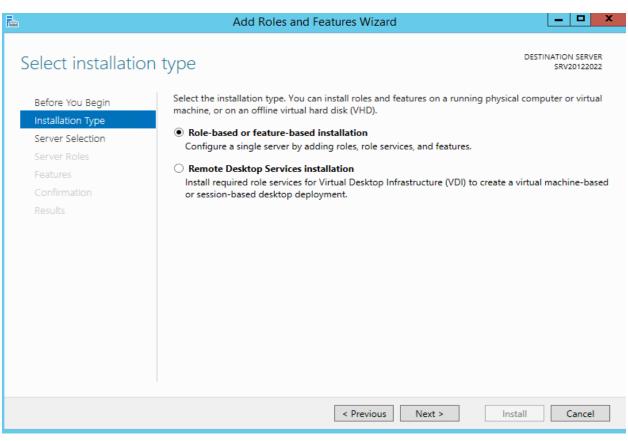
02 Windows Updates:

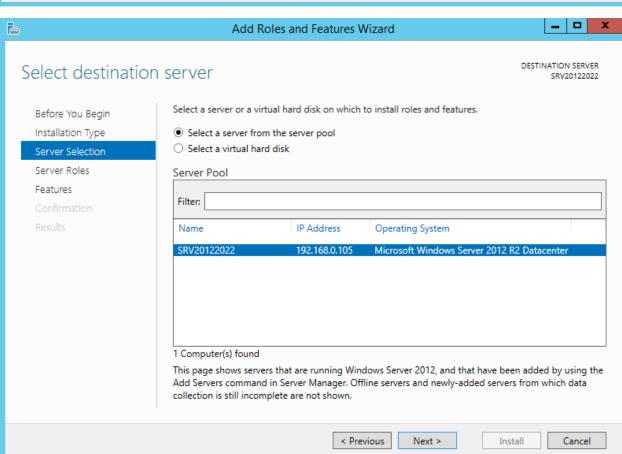


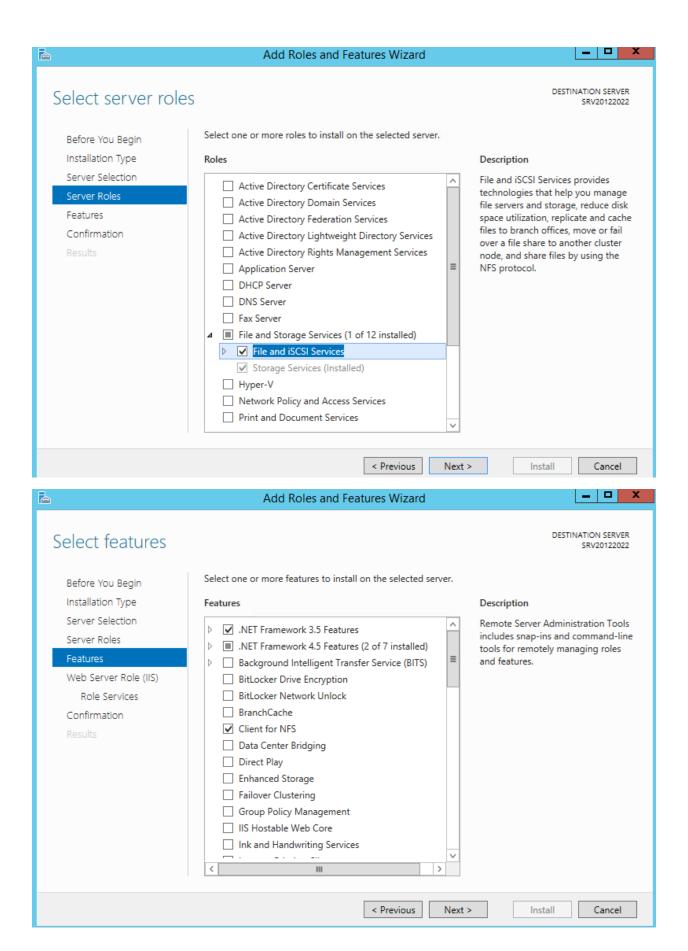


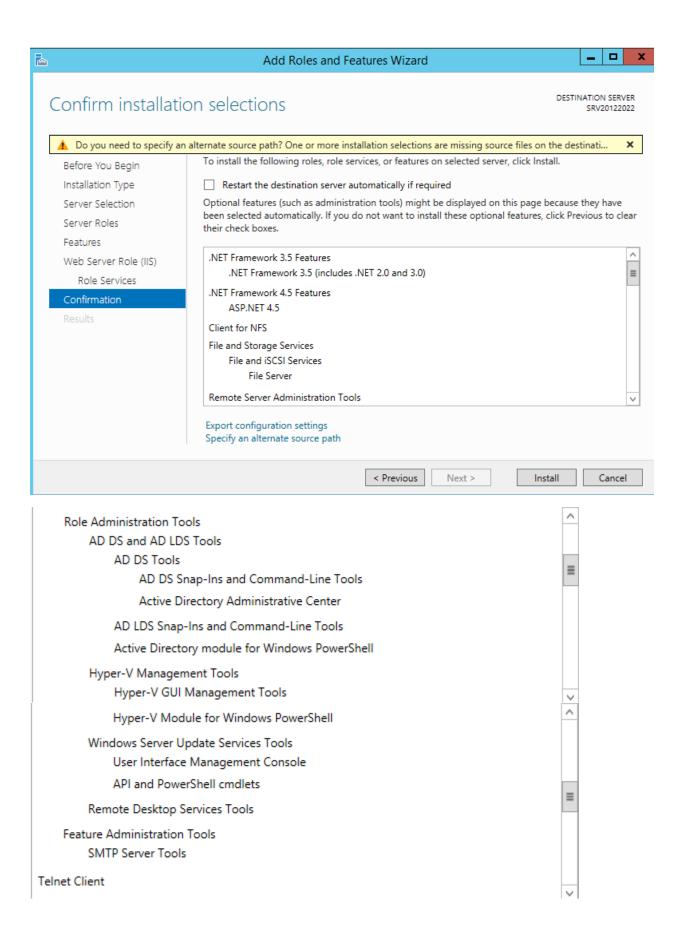


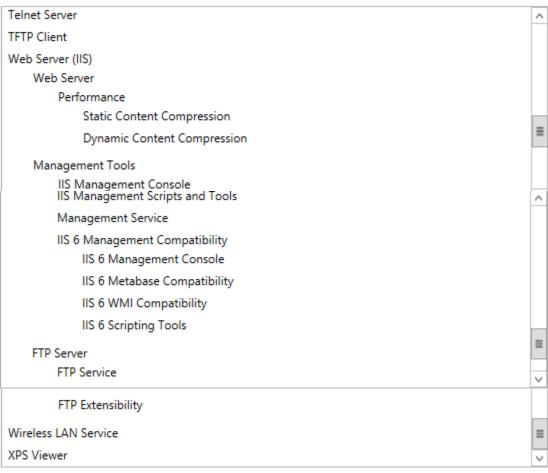
03 - 04 Roles and Features Install

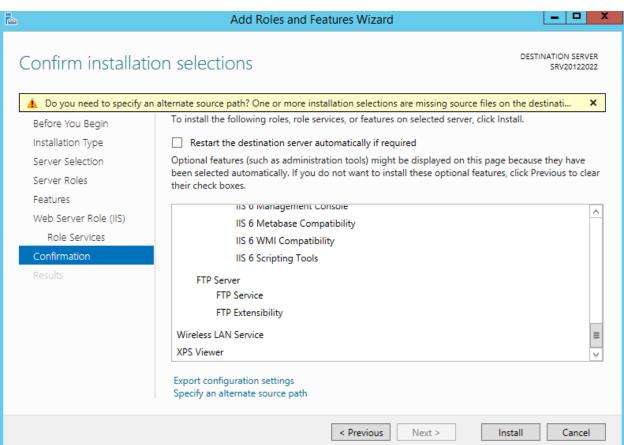


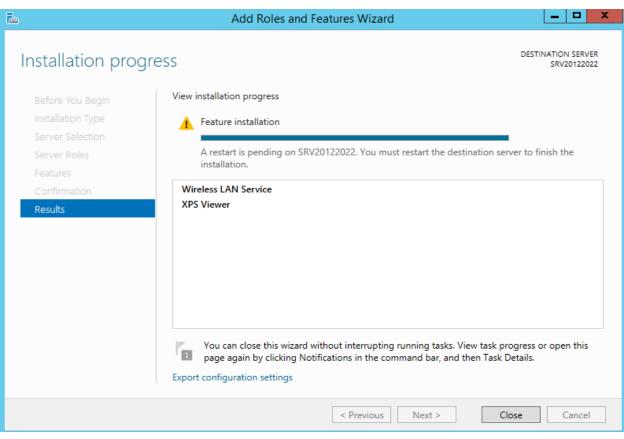


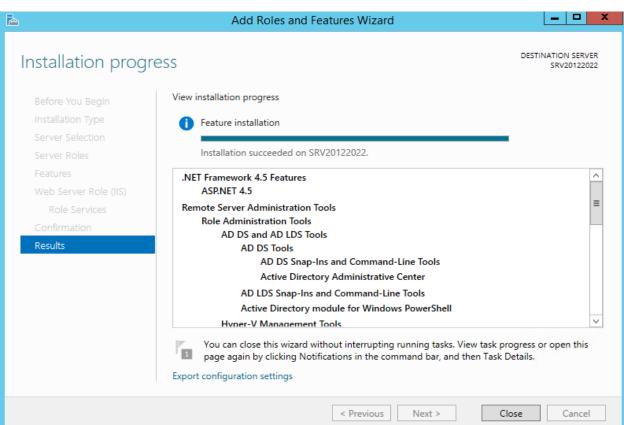




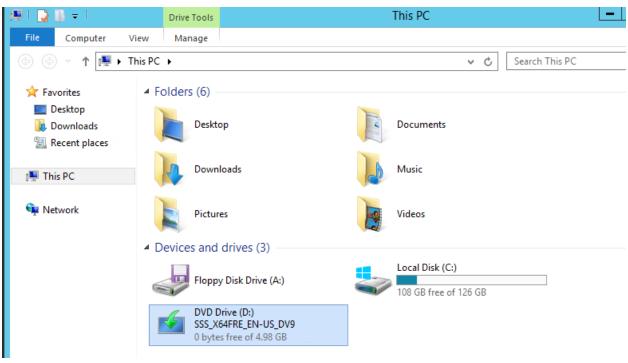


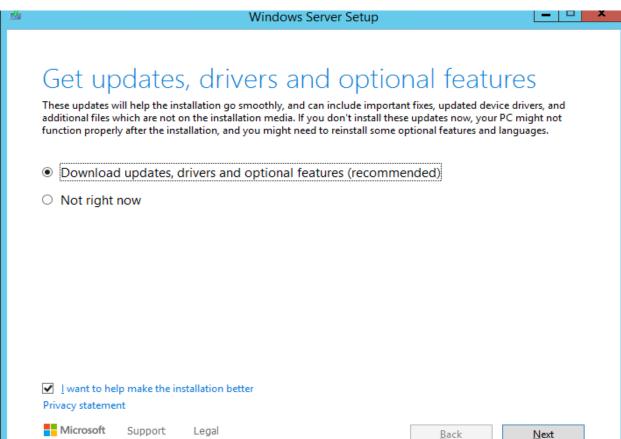


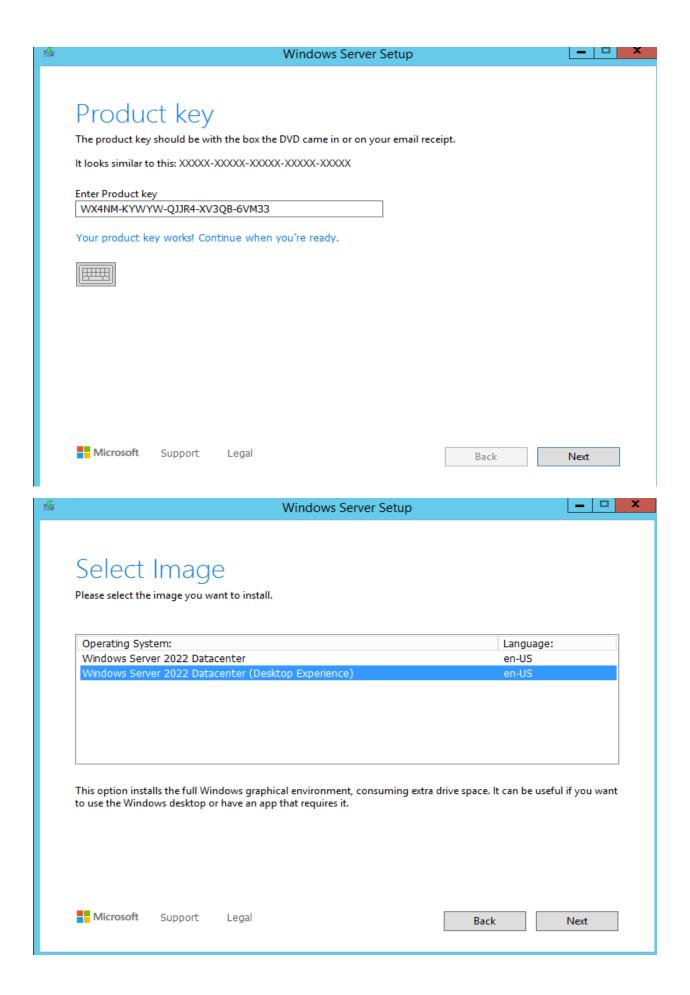


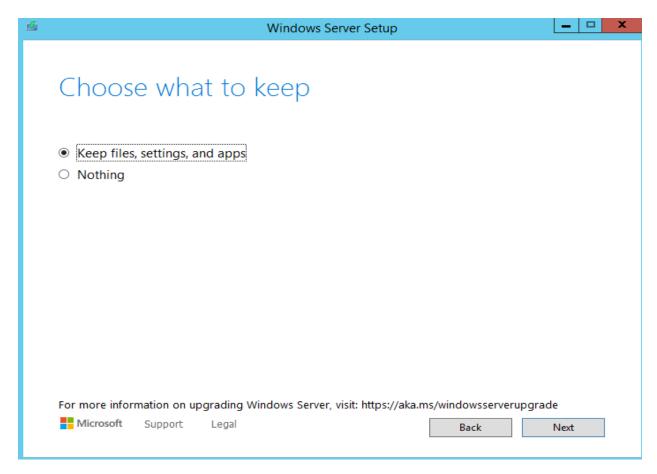


05 Upgrade to server 2022

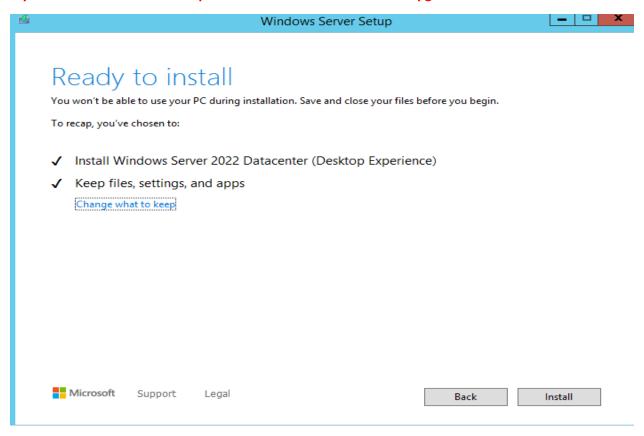








If you installed Telnet Server – please remove the role before the upgrade.





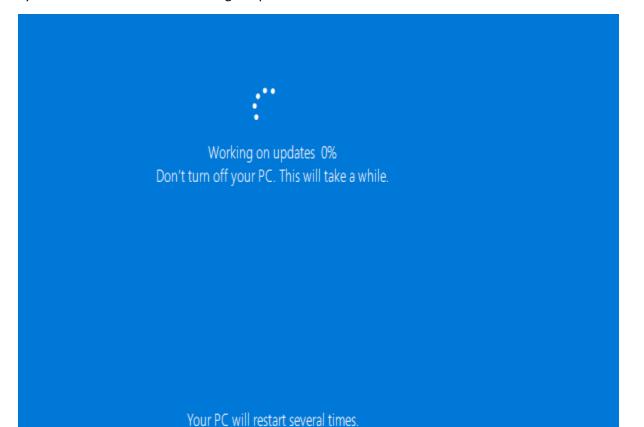
Installing Windows Server

Your PC will restart several times. This might take a while.



Cancel

System will restart few times during the process.



Working on updates 99%
Don't turn off your PC. This will take a while.

Your PC will restart several times.

About Windows X

Windows Server* 2022

Microsoft Windows Server Version 21H2 (OS Build 20348.2031) © Microsoft Corporation. All rights reserved.

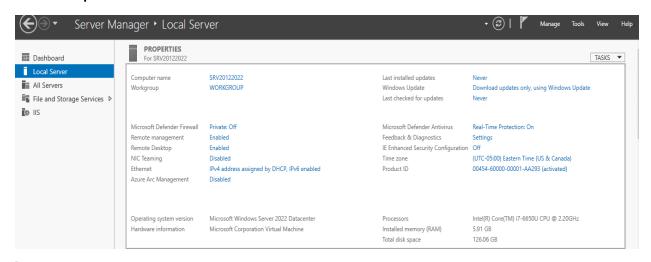
The Windows Server 2022 Datacenter operating system and its user interface are protected by trademark and other pending or existing intellectual property rights in the United States and other countries/regions.

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Windows User

OK

06 Install Updates Server 2022



Windows Update

*Some settings are managed by your organization (View policies)



Updates available

Last checked: Today, 1:46 PM

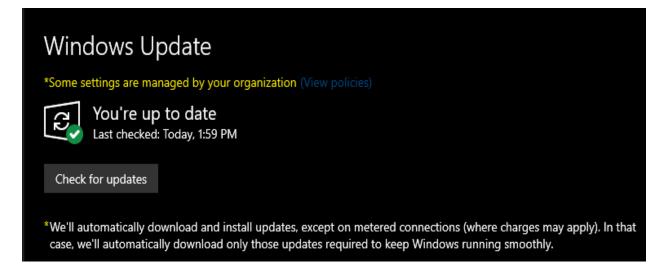
Security Intelligence Update for Microsoft Defender Antivirus - KB2267602 (Version 1.401.556.0) - Current Channel (Broad)

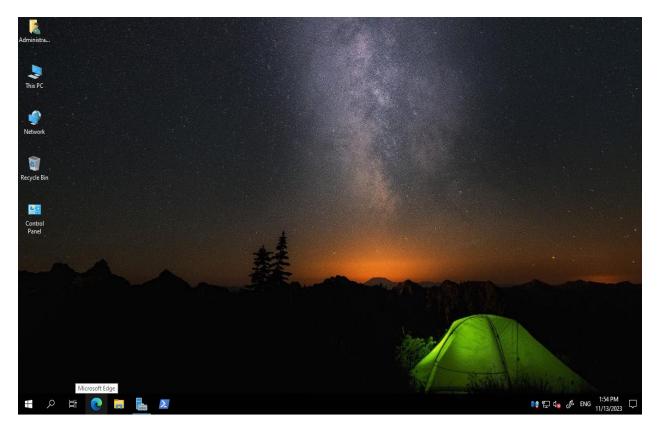
Status: Downloading - 39%

2023-10 Cumulative Update for .NET Framework 3.5, 4.8 and 4.8.1 for Microsoft server operating system version 21H2 for x64 (KB5031221)

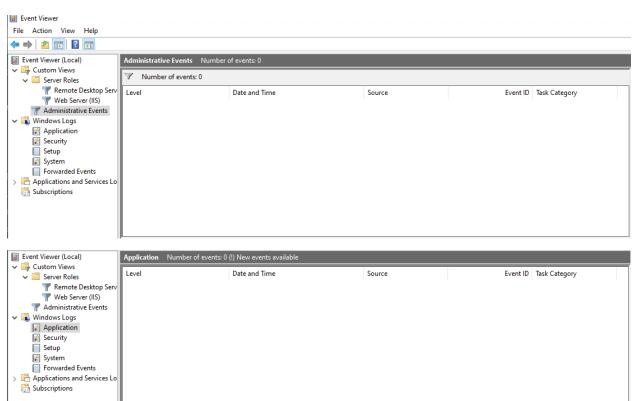
Status: Downloading - 51%

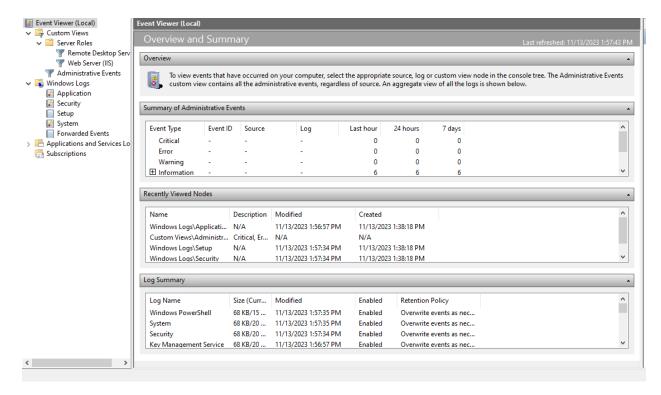
*We'll automatically download and install updates, except on metered connections (where charges may apply). In that case, we'll automatically download only those updates required to keep Windows running smoothly.



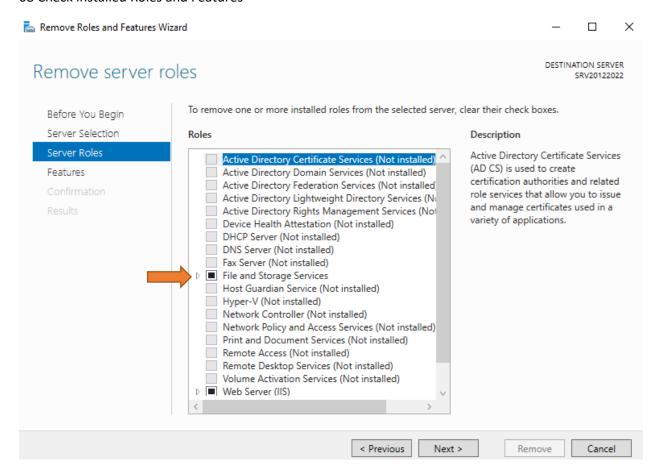


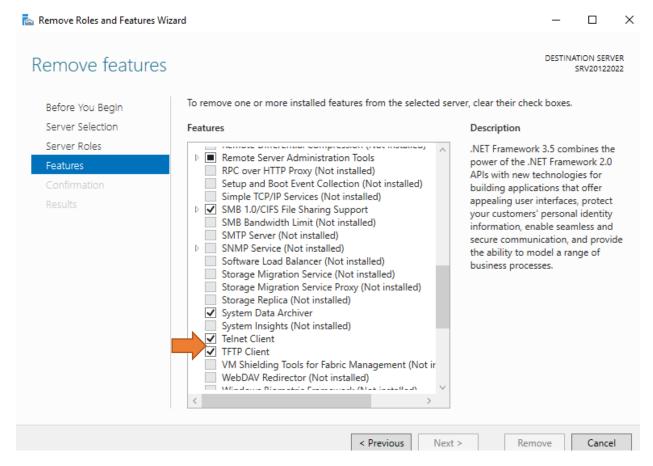
07 Check Event Viewer for errors





08 Check installed Roles and Features





This concludes the in-place upgrade.

Thanks

Ram 13th Nov 2023

https://learn.microsoft.com/en-us/windows-server/get-started/kms-client-activation-keys