Task

Theme:

Configuring Hard Disks in Windows Server

Course: Windows Server 2022 OS - Infrastructure

Module: Configuring Local Storage

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This document presents a step-by-step approach to solving a specific task, outlining the methodology, execution, and expected outcomes. By following the instructions, the reader will gain hands-on experience in applying technical concepts to practical situations, reinforcing both theoretical knowledge and problem-solving abilities.

The structured approach ensures that each step is clearly defined, making the process easy to follow and implement in professional environments.

"On a virtual machine, create and attach two additional virtual hard disks. Then, for each disk, perform the following steps:

- ***First disk:** Size of 10 GB, initialize it as **MBR**, format it with **NTFS**, and assign it the letter **D:***
- ***Second disk:** Size of 15 GB, initialize it as **GPT**, format it with **ReFS**, and assign it the letter **G:***

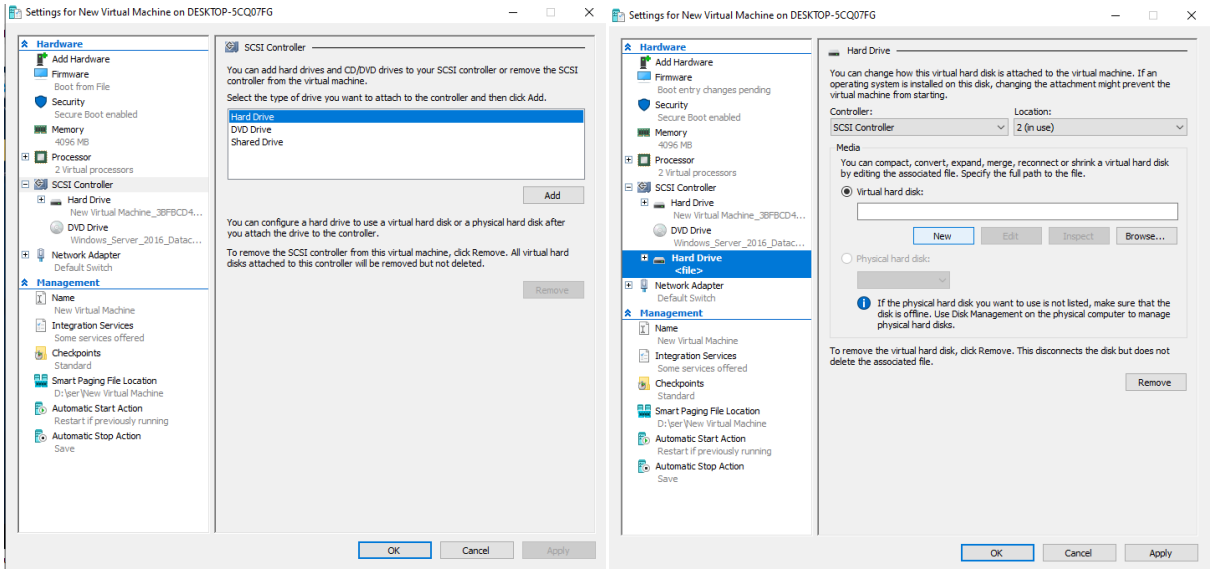
*Submit the solution in a Word document containing a step-by-step description of the procedure along with screenshots in **JPG format**. Archive all files together before submission."*

When creating this task, I followed the creation of a content that follows the step by step provided text and in which screenshots of this task are contained.

1. Creating Hard Disks on a Hyper-V Virtual Machine

In the first part of the task, it is shown how I created two virtual hard disks, whose memory is 127 GB, and then in the second part of the task, the method of creating volumes on the server through the Server Manager and Computer Management application is shown.

Such 1

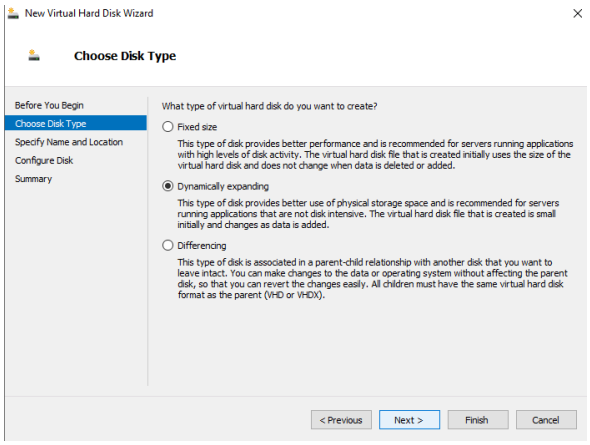


Picture 2

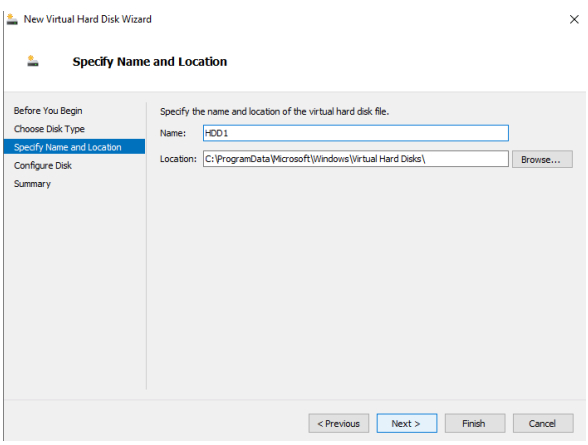
In the first part, more precisely Figure 1, it is shown how to add hard drives on a virtual machine, in the setup section I select the SCSI Controller option and then select the Hard Drive and Add fields.

Figure 2 shows what the next step looks like when creating this task, here by clicking on the Virtual hard disk option – follow the New icon and then follow Figure 3.

Figures 3 and 4 show the settings of the Virtual Hard Disk, in which I select the type that is dynamic and assign the name of the disk and the folder where it will be stored, after which I follow the next icon.

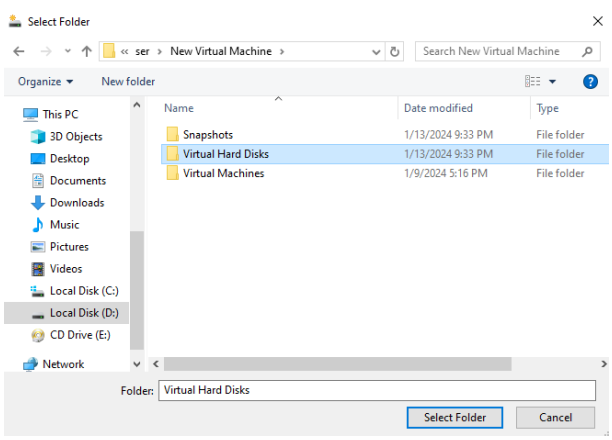


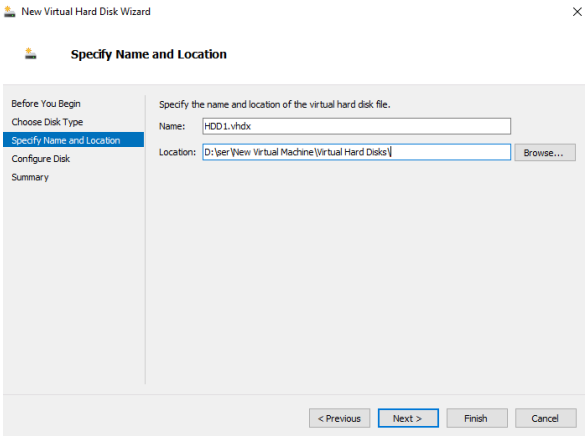
Such 3



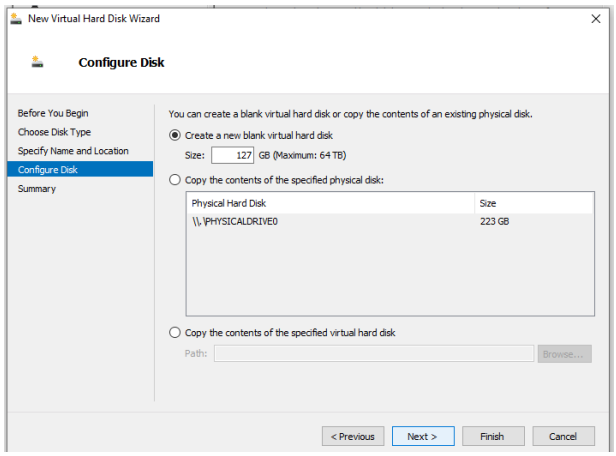
Such 4

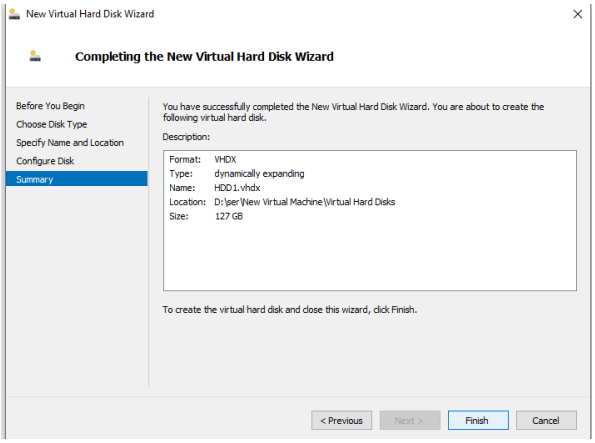
Figure 5 shows the folder that I chose to place this disk, since it is a server I chose it to be there in the Virtual Hard Disks folder, after that figure 6 shows that I confirm the previous steps by selecting next.





Slika 5 Slika 6





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Such 7 Such 8

Figure 7 follows the disk configuration where I leave the given size of 127 GB and then go to the next step.

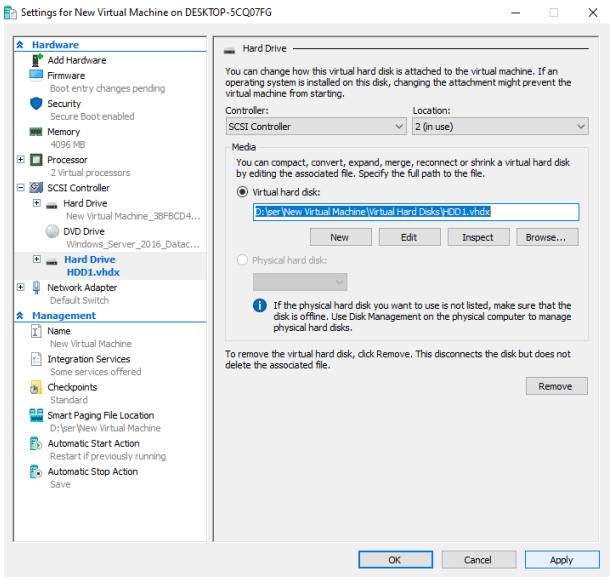


Figure 9

Figure 9 shows one disk that has been created, then in order to create another hard disk I follow the same steps as shown for the first one, only in the next one I leave the second name of the disk.

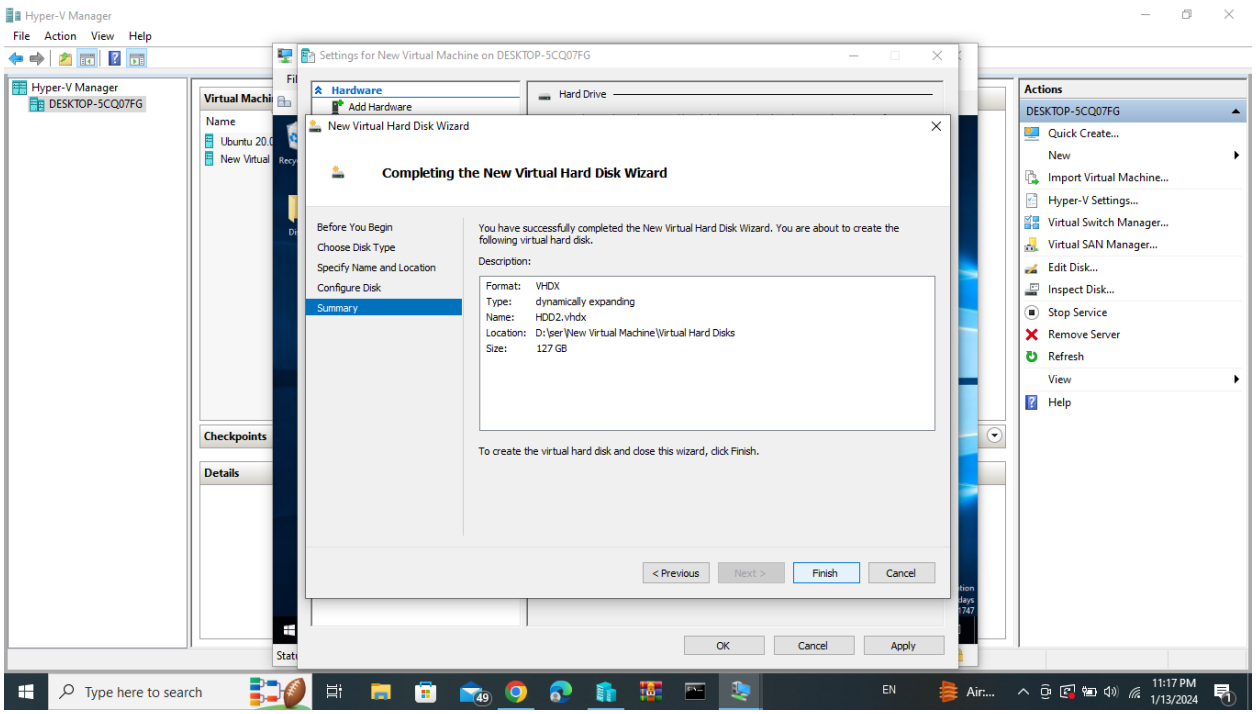


Figure 10

Figure 10 shows a disc with ordinal number 2, in which you can see what characteristics are specified for this task.

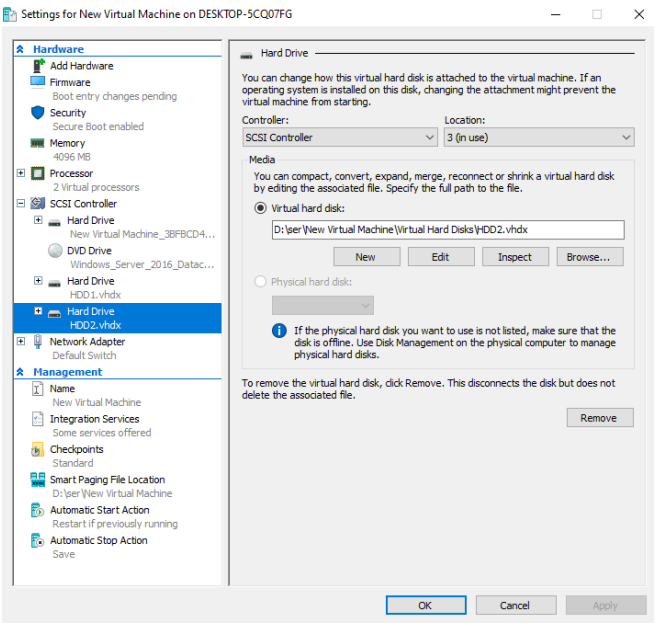
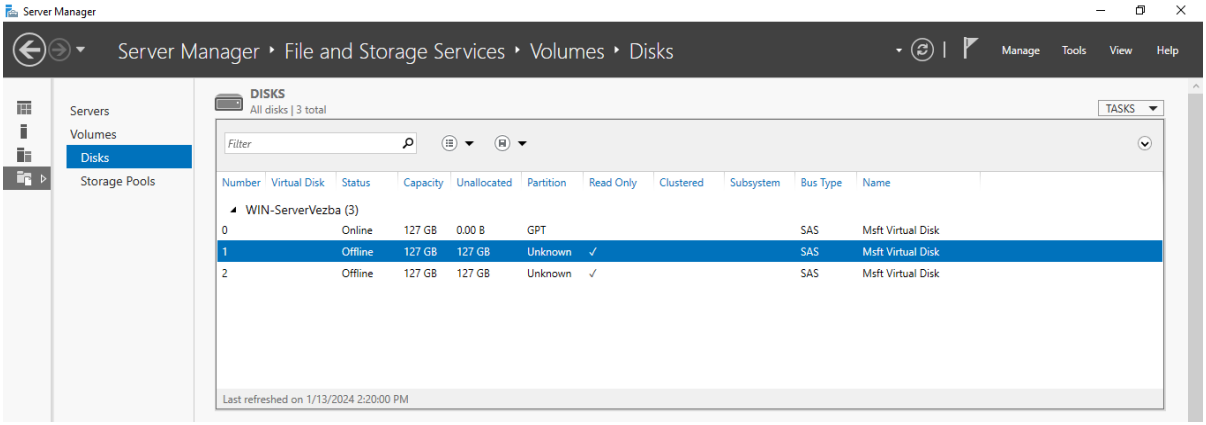
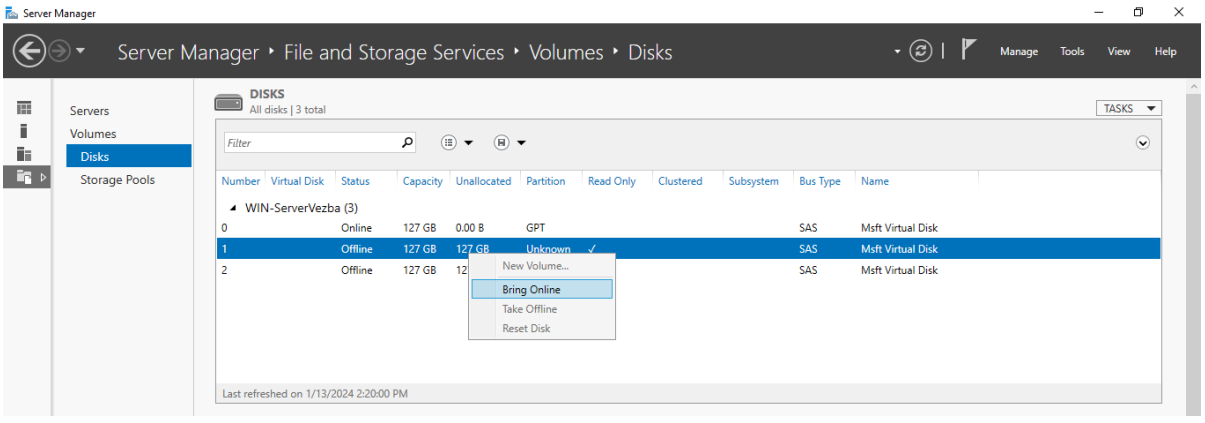


Figure 11

2. Windows Server I Volume Creation





Slika 2.0 I Slika 2.1

Figures 2.0 and 2.1 show the Virtual Hard Disks and what they look like, while further work required me to transfer these disks to Online, which is followed by a right click on the selected disk and the Bring Online icon.

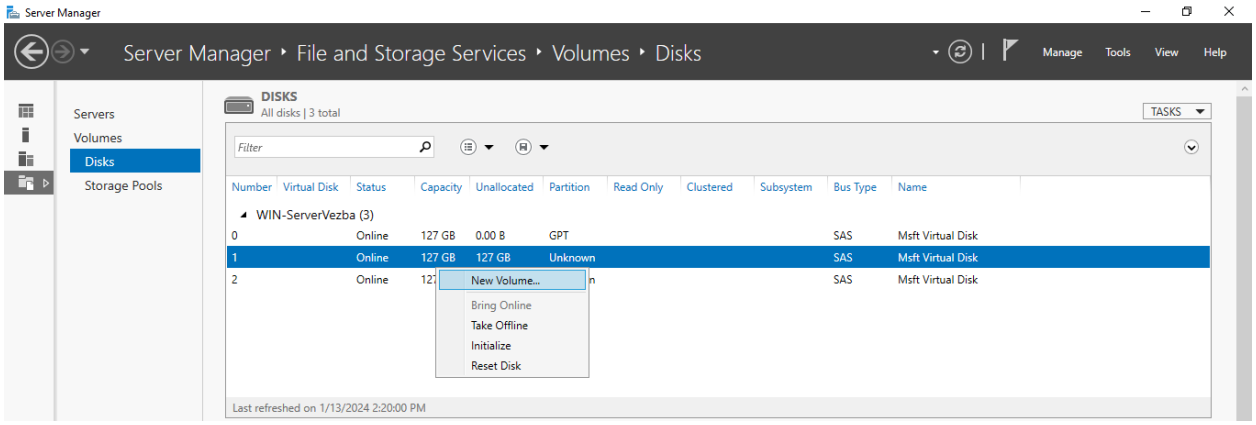
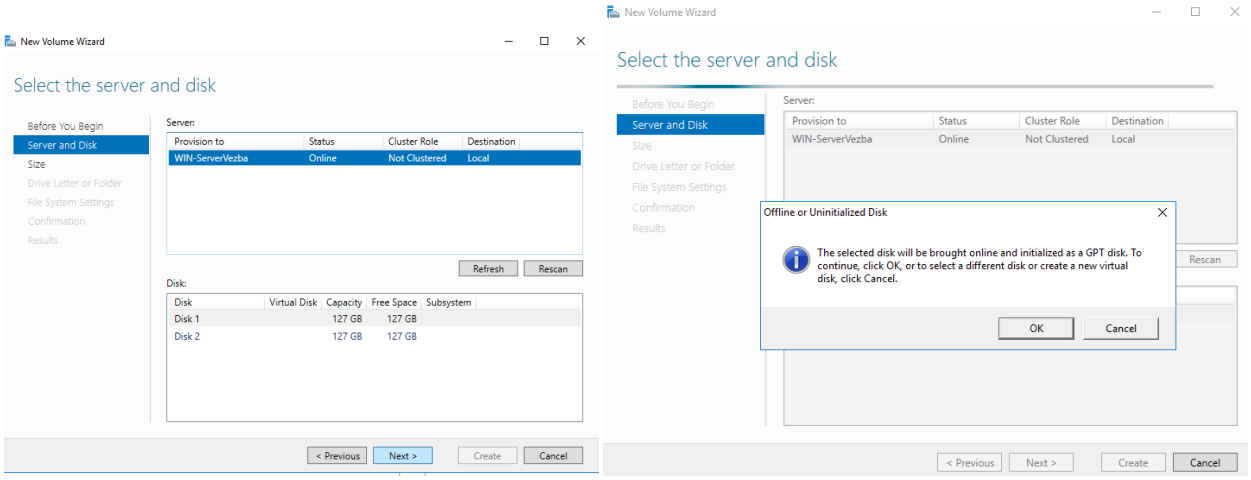
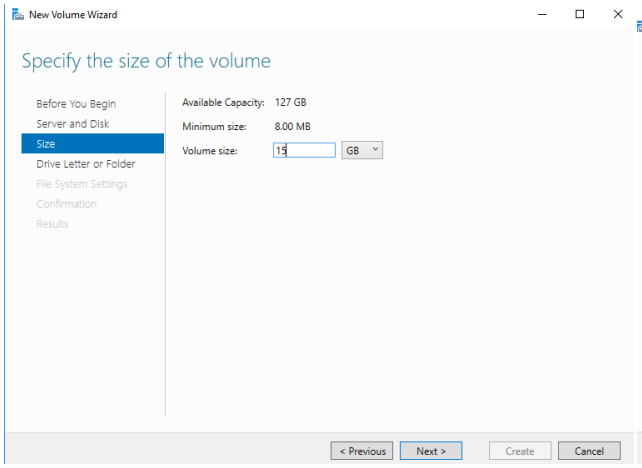
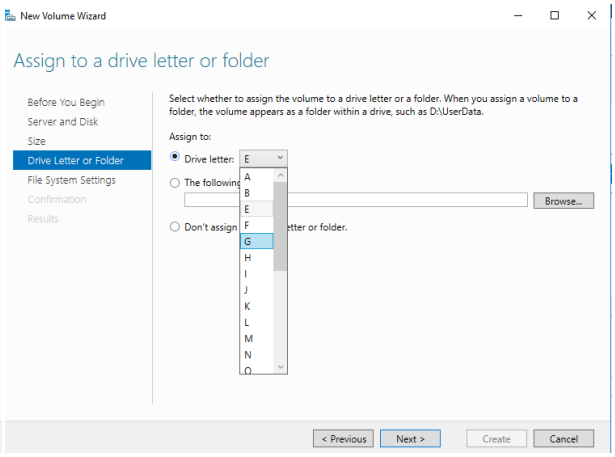


Figure 2.2 This shows the creation of a new volume that has been initialized with GPT, will be formatted with ReFS and the disk name will be the letter G, while the memory of this volume will be 15GB.

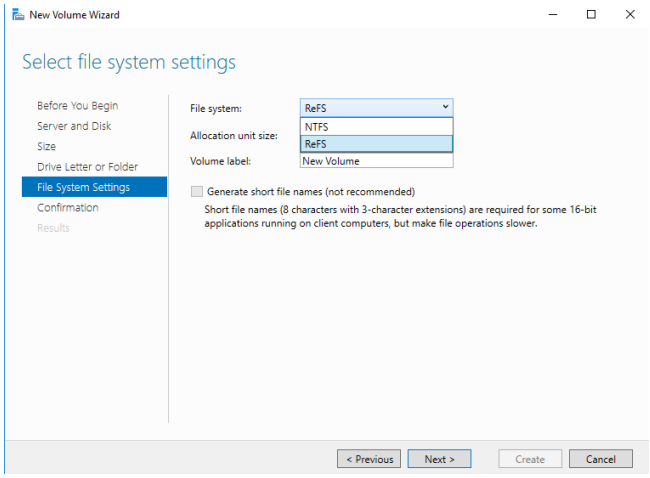


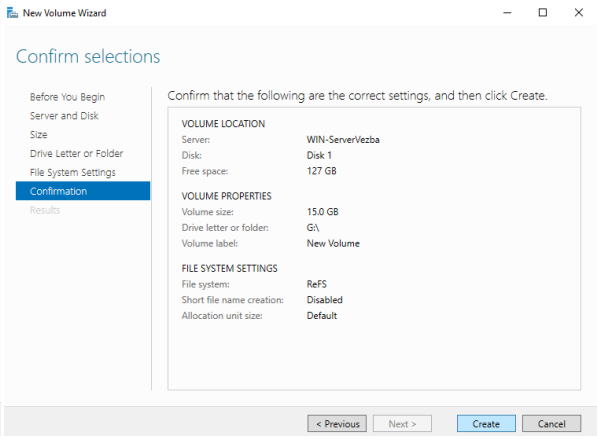
Such 2.3, 2.4, 2.5, 2.6.



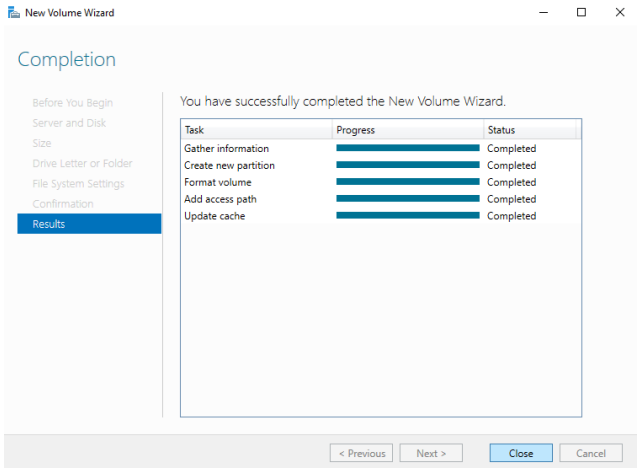


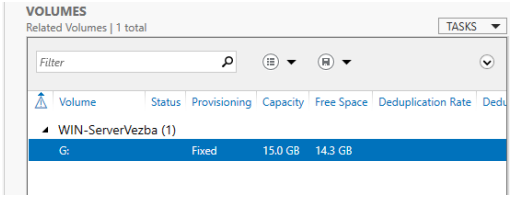
Such 2.7 Such 2.8





Such: 2.9 Such: 2.10





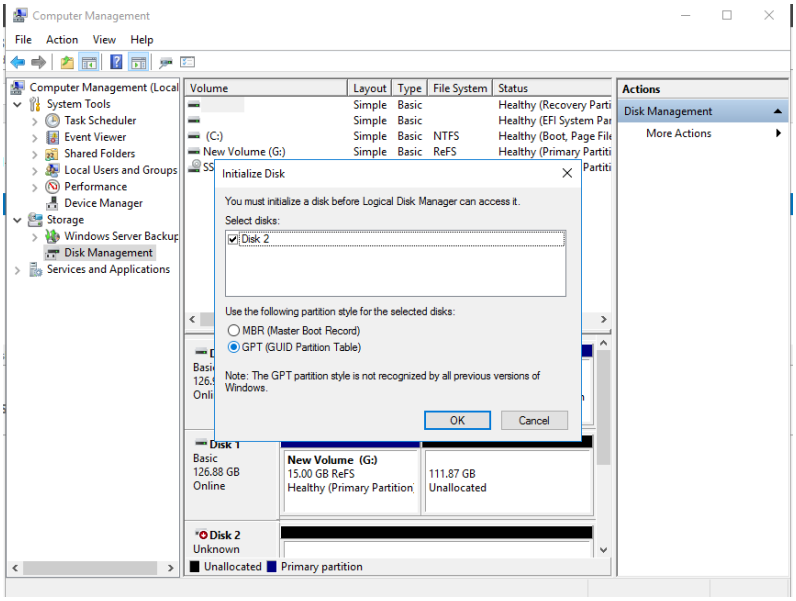
The following images that accompany this task show the entire process of creating volumes using Server Manager, which is a quick and easy way to create this task.

Images from 2.3 all the way up to Figure 2.10 are present here, which track the creation of the volume through the New Volume Wizard.While the next Volume that I will try to create will be traced step by step through Computer Management, an option that I reached through the Server Manager in the Tools section I by selecting the Computer Management category.

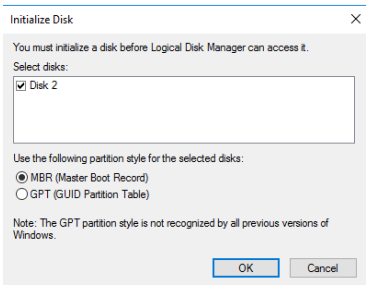
The required memory for this volume is 10GB, to be initialized with MBR and formatted with NTFS.

All of these requests are accompanied by further images that you can see on the following pages.

It is characteristic to note that the letter that was intended for this disk "D", I could not put because I am already using that disk, because my Virtual Machine is located on it and therefore I chose the letter "K".



Slika 3.0 in Slika 3.1



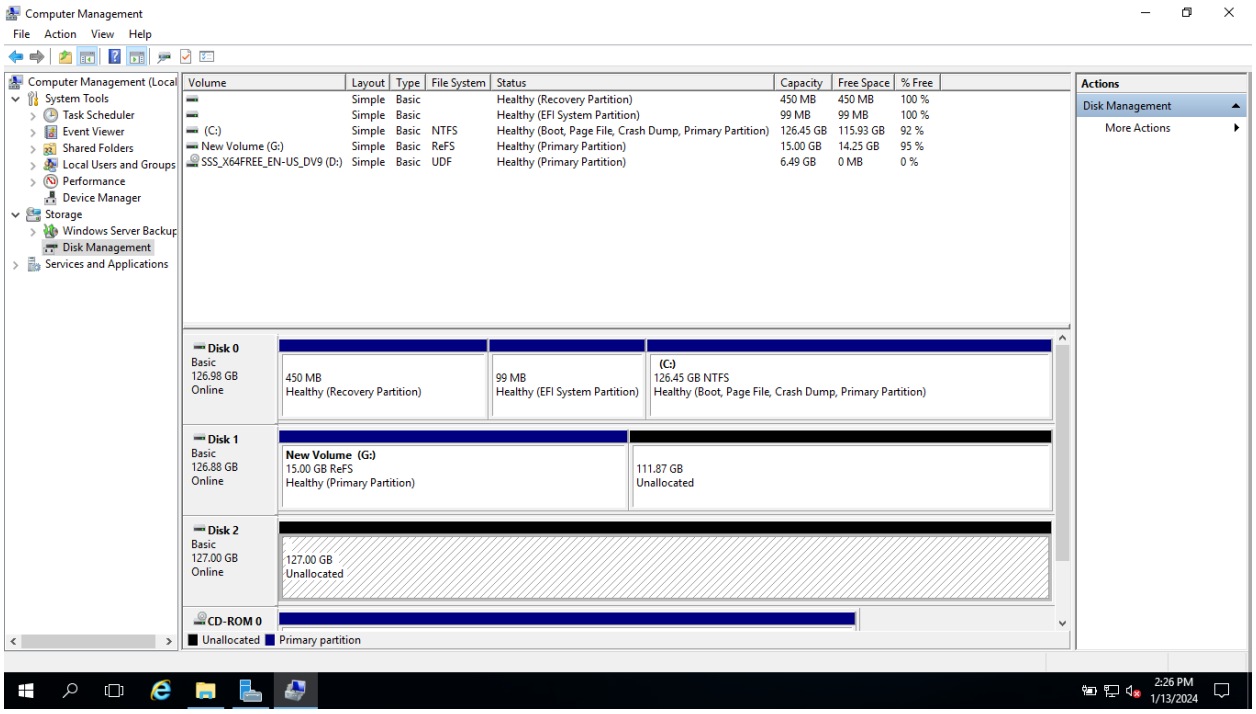


Figure 3.2

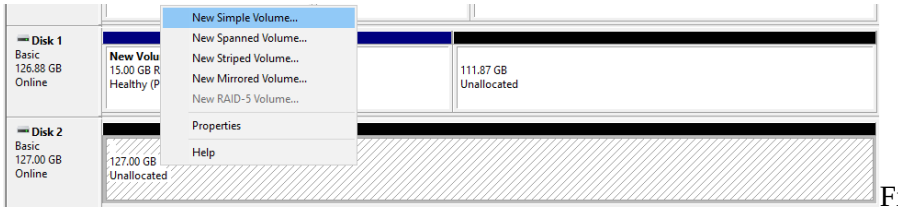
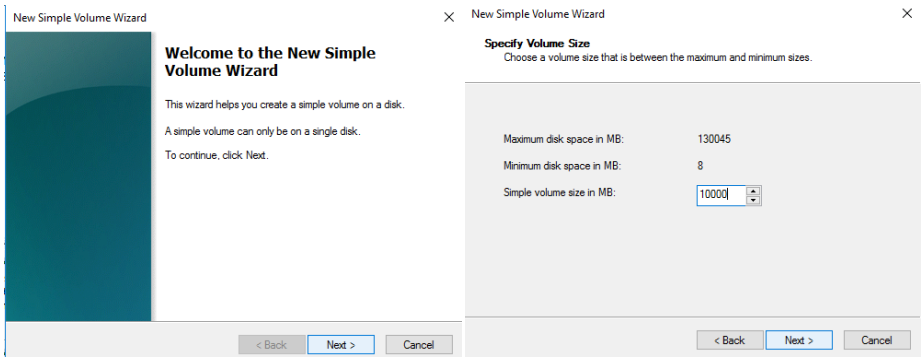
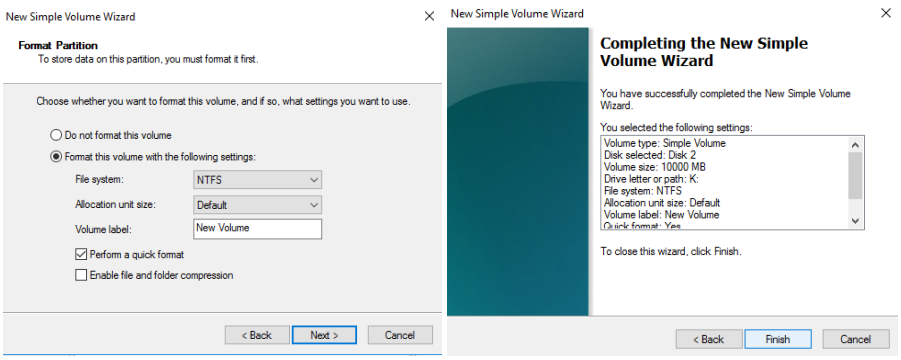


Figure 3.3





Such 3.4, 3.5, 3.6, 3.7 .

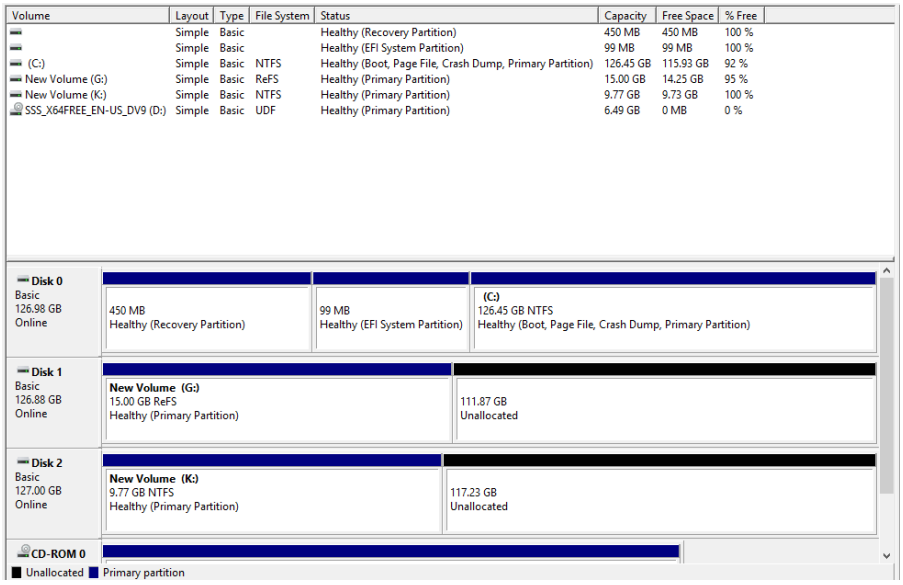


Figure 3.8

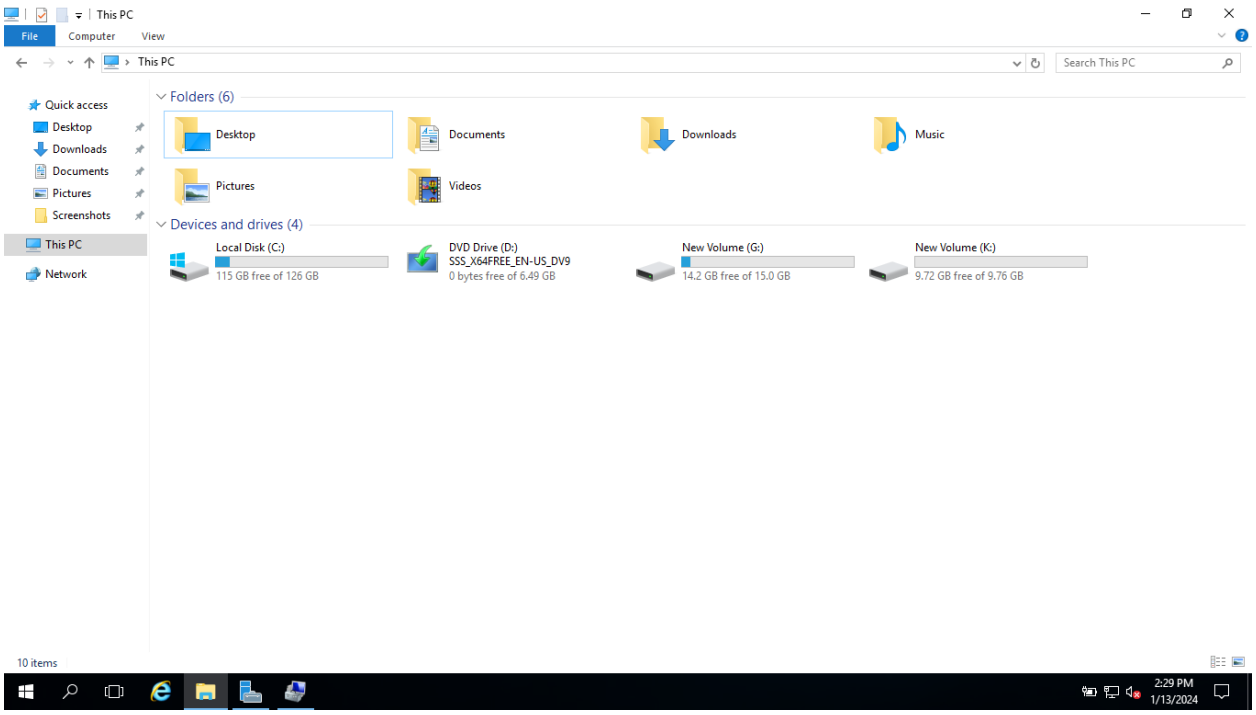


Figure 3.9

Figure 3.9 shows the disks that were created by the previously displayed content that covers this task.