

Systemy Operacyjne Moduł VIII

Radosław Terelak Gr. 4G

Przygotowanie maszyny:

Oracle VM VirtualBox Menedżer

Plik Maszyna Pomoc

Tools

Nowa Ustawienia Odrzuć Uruchom

Windows_Server_Radosław_Terelak (Fresh Start)
Wylączona

Windows_10_Radosław_Terelak (START)
Zapisana

Debian Terelak
Wylączona

Ogólne
Nazwa: Windows_Server_Radosław_Terelak
System operacyjny: Windows 2019 (64-bit)

System
RAM: 4096 MB
Boot Order: Floppy, Napęd optyczny, Dysk twardy
Akceleracja: VT-x/AMD-V, Zagnieżdżone stronicowanie, Parawirtualizacja Hyper-V

Ekran
Pamięć wideo: 128 MB
Graphics Controller: VBoxSVGA
Serwer pulpitu zdalnego: Disabled
Recording: Disabled

Pamięć
Kontroler: SATA
Port SATA 0: Windows_Server_Radosław_Terelak.vdi (Normalny, 50,00 GB)
Port SATA 1: [Napęd optyczny] VBoxGuestAdditions.iso (58,24 MB)
Port SATA 2: Windows_Server_Radosław_Terelak_1.vdi (Normalny, 5,00 GB)
Port SATA 3: Windows_Server_Radosław_Terelak_4.vdi (Normalny, 5,00 GB)
Port SATA 4: Windows_Server_Radosław_Terelak_5.vdi (Normalny, 5,00 GB)
Port SATA 5: Windows_Server_Radosław_Terelak_2.vdi (Normalny, 10,00 GB)
Port SATA 6: Windows_Server_Radosław_Terelak_3.vdi (Normalny, 15,00 GB)

Dźwięk
Sterownik gospodarza: Windows DirectSound
Controller: Intel HD Audio

Network
Karta 1: Intel PRO/1000 MT Desktop (Sieć wewnętrzna, 'intnet')

USB
Kontroler USB: OHCI
Filtry urządzeń: 0 (aktywne: 0)

Udostępniane foldery
Brak

Opis
Brak

Zadanie 1

Windows_Server_Radosław_Terelak (Fresh Start) [Uruchomiona] - Oracle VM VirtualBox

Plik Maszyna Widok Wejście Urządzenia Pomoc

Computer Management

File Action View Help

Computer Management (Local)

- System Tools
 - Task Scheduler
 - Task Scheduler Library
 - Event Viewer
 - Custom Views
 - Windows Logs
 - Applications and Services Logs
 - Subscriptions
 - Shared Folders
 - Shares
 - Sessions
 - Open Files
 - Local Users and Groups
 - Users
 - Groups
 - Performance
 - Monitoring Tools
 - Data Collector Sets
 - Reports
 - Device Manager
- Storage
 - Windows Server Backup
 - Disk Management
- Services and Applications
 - Routing and Remote Access
 - Services
 - WMI Control

Volume	Layout	Type	File System	Status
(C:)	Simple	Basic	NTFS	Healthy (Boot, Page File, Crash Dump, Primary Partition)
Dysk Zadanie 1 (D:)	Simple	Basic	NTFS	Healthy (Primary Partition)
System Reserved	Simple	Basic	NTFS	Healthy (System, Active, Primary Partition)
VBox_GAs_6.1.26 (Z:)	Simple	Basic	CDFS	Healthy (Primary Partition)

Disk 5

Basic

14,98 GB

Online

14,98 GB

Unallocated

CD-ROM 0

CD-ROM

58 MB

Online

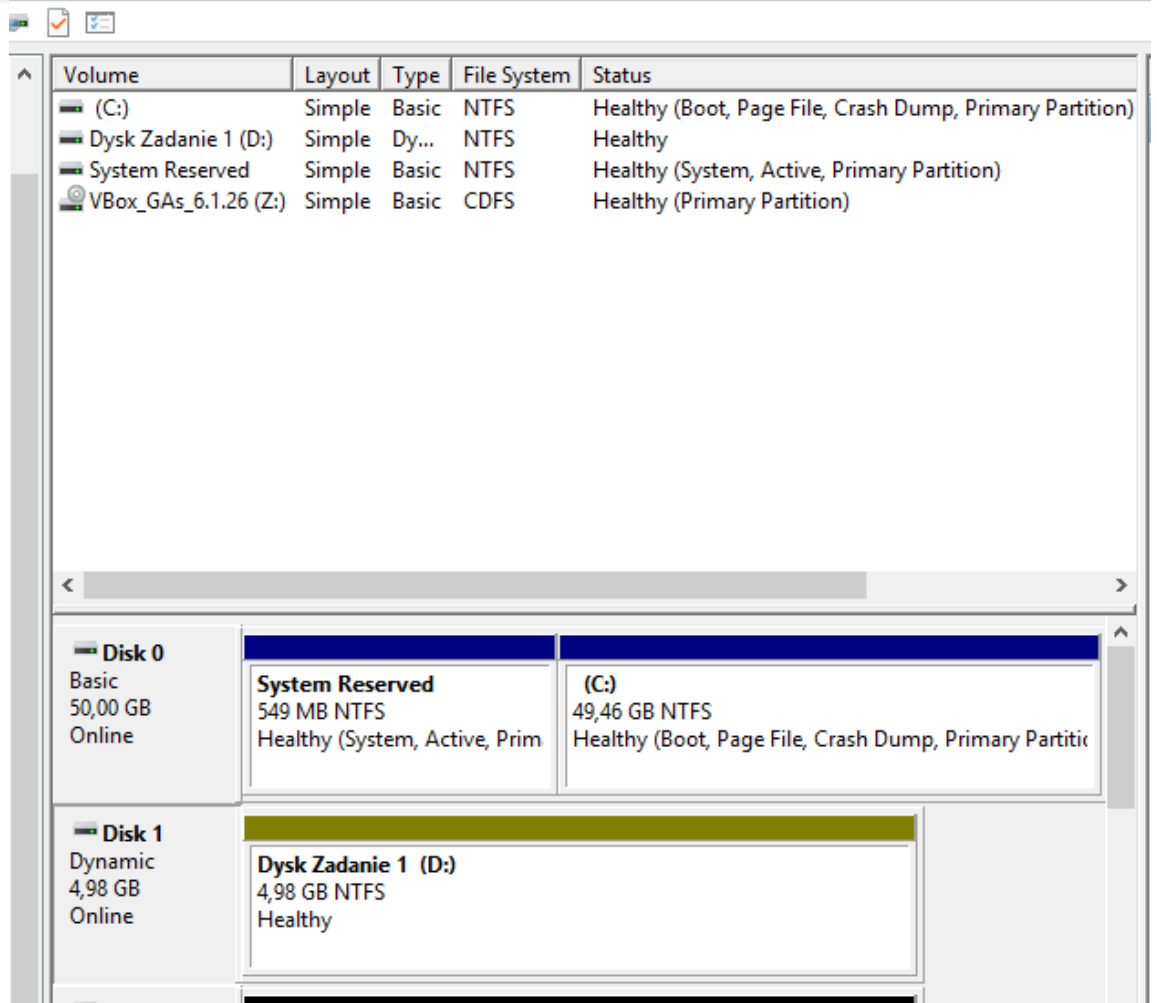
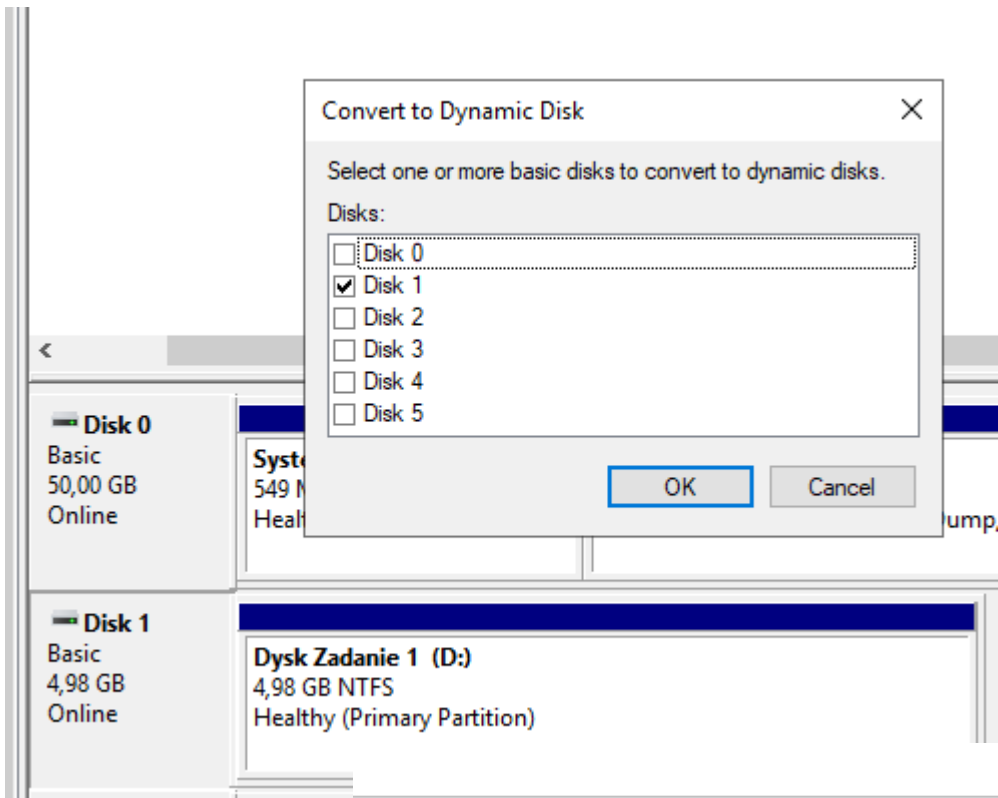
VBox_GAs_6.1.26 (Z:)

58 MB CDFS

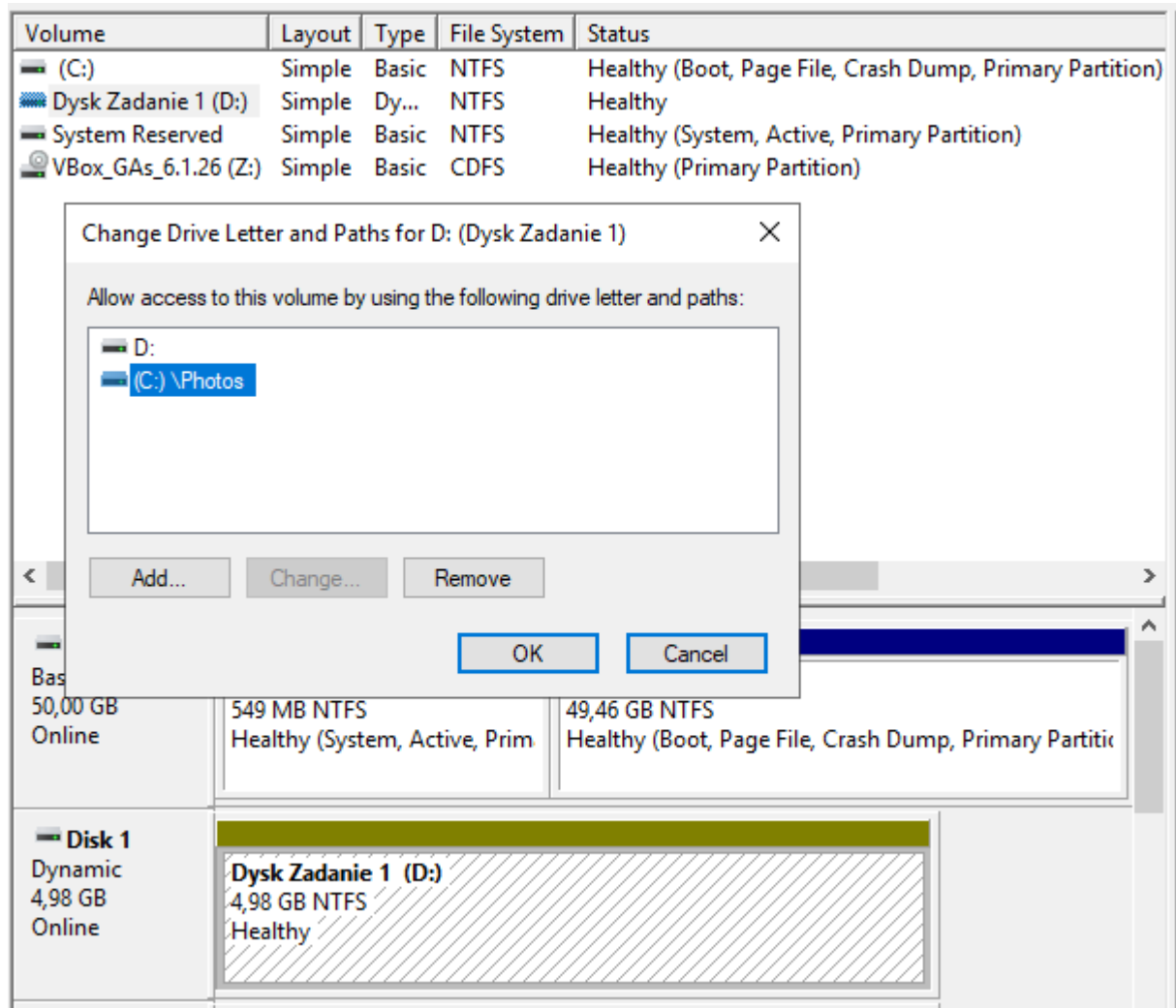
Healthy (Primary Partition)

Unallocated Primary partition

Zadanie 2



Zadanie 3



Zadanie 4

Extend Volume Wizard

Select Disks

You can use space on one or more disks to extend the volume.

Available:		Selected:
Disk 3 5102 MB	Add > < Remove < Remove All	Disk 2 1024 MB
Disk 4 10222 MB		
Disk 5 15342 MB		

Total volume size in megabytes (MB): 6126

Maximum available space in MB: 5102

Select the amount of space in MB: 1024

< Back Next > Cancel

Disk 1	Dysk Zadanie 1 (D:) 4,98 GB NTFS Healthy
Disk 2	4,98 GB Unallocated

Volume	Layout	Type	File System	Status
(C:)	Simple	Basic	NTFS	Healthy (Boot, Page File, Crash Dump, Primary Partition)
Dysk Zadanie 1 (D:)	Span...	Dy...	NTFS	Healthy
System Reserved	Simple	Basic	NTFS	Healthy (System, Active, Primary Partition)
VBox_GAs_6.1.26 (Z:)	Simple	Basic	CDFS	Healthy (Primary Partition)
Zadanie 4 (F:)	Simple	Dy...	NTFS	Healthy

Disk 1

Dynamic

4,98 GB

Online

Dysk Zadanie 1 (D:)

4,98 GB NTFS

Healthy

Disk 2

Dynamic

4,98 GB

Online

Dysk Zadanie 1 (D:)

1,00 GB NTFS

Healthy

Zadanie 4 (F:)

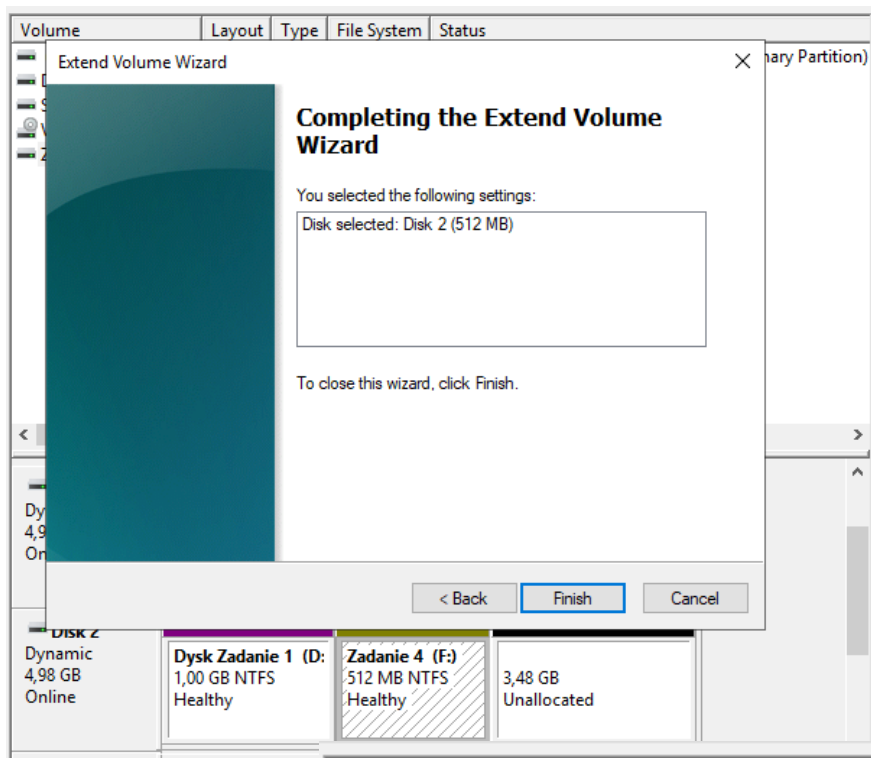
512 MB NTFS

Healthy

3,48 GB

Unallocated

Zadanie 5



Volume	Layout	Type	File System	Status
(C:)	Simple	Basic	NTFS	Healthy (Boot, Page File, Crash Dump, Primary Partition)
Dysk Zadanie 1 (D:)	Span...	Dy...	NTFS	Healthy
System Reserved	Simple	Basic	NTFS	Healthy (System, Active, Primary Partition)
VBx_GAs_6.1.26 (Z:)	Simple	Basic	CDFS	Healthy (Primary Partition)
Zadanie 4 (F:)	Simple	Dy...	NTFS	Healthy

Disk 1 Dynamic 4,98 GB Online	Dysk Zadanie 1 (D:) 4,98 GB NTFS Healthy		
	Dysk Zadanie 1 (D) 1,00 GB NTFS Healthy	Zadanie 4 (F:) 1,00 GB NTFS Healthy	2,98 GB Unallocated

Zadanie 6

Volume	Layout	Type	File System	Status
(C:)	Simple	Basic	NTFS	Healthy (Boot, Page File, Crash Dump, Primary Partition)
Dysk Zadanie 1 (D:)	Span...	Dy...	NTFS	Healthy
System Reserved	Simple	Basic	NTFS	Healthy (System, Active, Primary Partition)
VBox_GAs_6.1.26 (Z:)	Simple	Basic	CDFS	Healthy (Primary Partition)
Zadanie 4 (F:)	Simple	Dy...	NTFS	Healthy

Add Mirror [X]

Adding a mirror to an existing volume provides data redundancy by maintaining multiple copies of a volume's data on different disks.

Select a location for a mirror of F: (Zadanie 4).

Disks:

- ☒ Disk 3
- ☐ Disk 4
- ☐ Disk 5

Disk 1 Dynamic 4,98 GB Online	Dysk Zadanie 1 (D:) 1,00 GB NTFS Healthy
Disk 2 Dynamic 4,98 GB Online	Zadanie 4 (F:) 1,00 GB NTFS Healthy
Disk 3 Basic 4,98 GB Online	4,98 GB Unallocated

■ Unallocated ■ Primary partition ■ Simple volume

Add Mirror Cancel

Volume	Layout	Type	File System	Status
(C:)	Simple	Basic	NTFS	Healthy (Boot, Page File, Crash Dump, Primary Partition)
Dysk Zadanie 1 (D:)	Span...	Dy...	NTFS	Healthy
System Reserved	Simple	Basic	NTFS	Healthy (System, Active, Primary Partition)
VBox_GAs_6.1.26 (Z:)	Simple	Basic	CDFS	Healthy (Primary Partition)
Zadanie 4 (F:)	Mirror	Dy...	NTFS	Healthy

Disk 2 Dynamic 4,98 GB Online	Dysk Zadanie 1 (D:) 1,00 GB NTFS Healthy	Zadanie 4 (F:) 1,00 GB NTFS Healthy	2,98 GB Unallocated
Disk 3 Dynamic 4,98 GB Online	Zadanie 4 (F:) 1,00 GB NTFS Healthy	3,98 GB Unallocated	
Disk 4 Dynamic 9,98 GB Online	9,98 GB Unallocated		

■ Unallocated ■ Primary partition ■ Spanned volume ■ Mirrored volume

Dysku D nie da się zdublować, ponieważ ten wolmin łączy wiele dysków.

New RAID-5 Volume

Select Disks
You can select the disks and set the disk size for this volume.

Select the disks you want to use, and then click Add.

Available:

Disk 5	15342 MB
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Selected:

Disk 2	3054 MB
Disk 3	3054 MB
Disk 4	3054 MB

Total volume size in megabytes (MB): 6108

Maximum available space in MB: 10222

Select the amount of space in MB: 3054

< Back Next > Cancel

Disk 2
Dynamic
4,98 GB
Online

Disk 3
Dynamic
4,98 GB
Online

Disk 4
Dynamic
9,98 GB
Online

Disk Layout:

Disk 2	Disk 3	Disk 4
Disk Zadanie 1 (D) 1,00 GB NTFS Healthy	Zadanie 4 (F:) 1,00 GB NTFS Healthy	2,98 GB Unallocated
Zadanie 4 (F:) 1,00 GB NTFS Healthy		9,98 GB Unallocated

Legend: Unallocated (Black), Primary partition (Blue), Spanned v (Hatched)

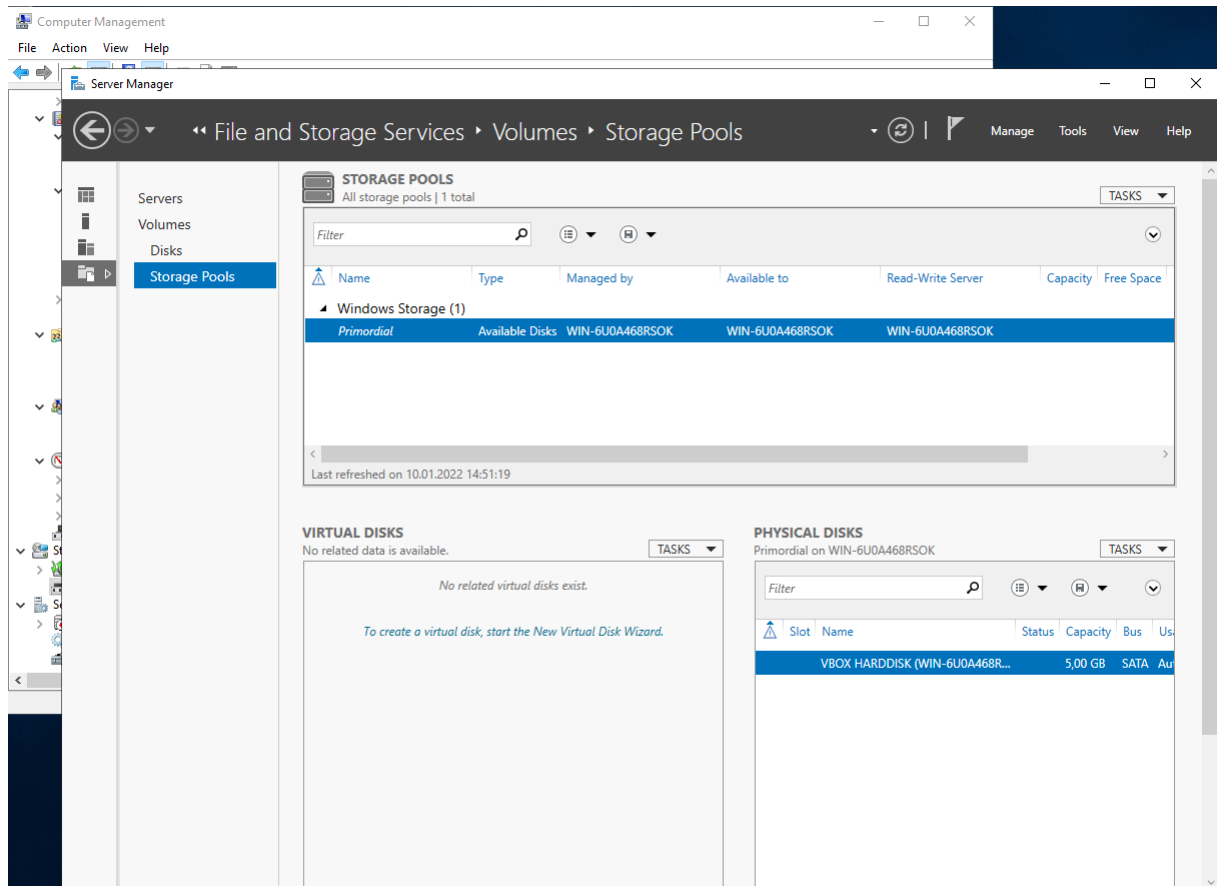
Volume	Layout	Type	File System	Status
(C:)	Simple	Basic	NTFS	Healthy (Boot,
Disk Zadanie 1 (D:)	Span...	Dy...	NTFS	Healthy
New Volume (E:)	RAID...	Dy...	NTFS	Healthy
System Reserved	Simple	Basic	NTFS	Healthy (System
VBox_GAs_6.1.26 (Z:)	Simple	Basic	CDFS	Healthy (Primar
Zadanie 4 (F:)	Mirror	Dy...	NTFS	Healthy

Volume	Layout	Type	File System	Status
(C:)	Simple	Basic	NTFS	Healthy (Boot, Page File, Crash Dump, Primary Partition)
Dysk Zadanie 1 (D:)	Span...	Dy...	NTFS	Healthy
New Volume (E:)	RAID...	Dy...	NTFS	Healthy
System Reserved	Simple	Basic	NTFS	Healthy (System, Active, Primary Partition)
VBox_GAs_6.1.26 (Z:)	Simple	Basic	CDFS	Healthy (Primary Partition)
Zadanie 4 (F:)	Mirror	Dy...	NTFS	Healthy

Disk	Layout	Type	File System	Status
Disk 2	Dysk Zadanie 1 (D)	Zadanie 4 (F:)	New Volume	
Dynamic	1,00 GB NTFS	1,00 GB NTFS	2,98 GB NTFS	
4,98 GB	Healthy	Healthy	Healthy	
Online				
Disk 3	Zadanie 4 (F:)	New Volume		
Dynamic	1,00 GB NTFS	2,98 GB NTFS	1,00 GB	
4,98 GB	Healthy	Healthy	Unallocated	
Online				
Disk 4	New Volume			
Dynamic	2,98 GB NTFS	7,00 GB		
9,98 GB	Healthy	Unallocated		
Online				

Legend	Color	Description
Unallocated	Black	Unallocated
Primary partition	Blue	Primary partition
Spanned volume	Purple	Spanned volume
Mirrored volume	Red	Mirrored volume
RAID-5 volume	Cyan	RAID-5 volume

Zadanie 8



Zadanie niemożliwe do wykonania.