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## WINDOWS ADMINISTRATION SECURITY 1

### MID-TERM PROJECT

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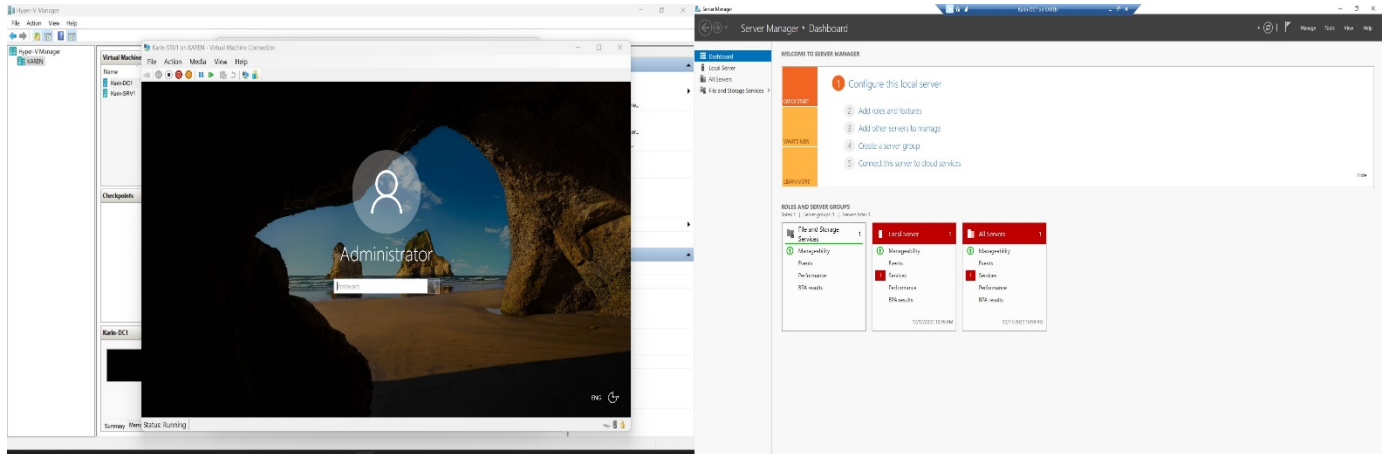
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## 1. Introduction

The aim of this project is for you to be able to create and manage simple and software RAID volumes as well as configuring and connecting to SAN storage

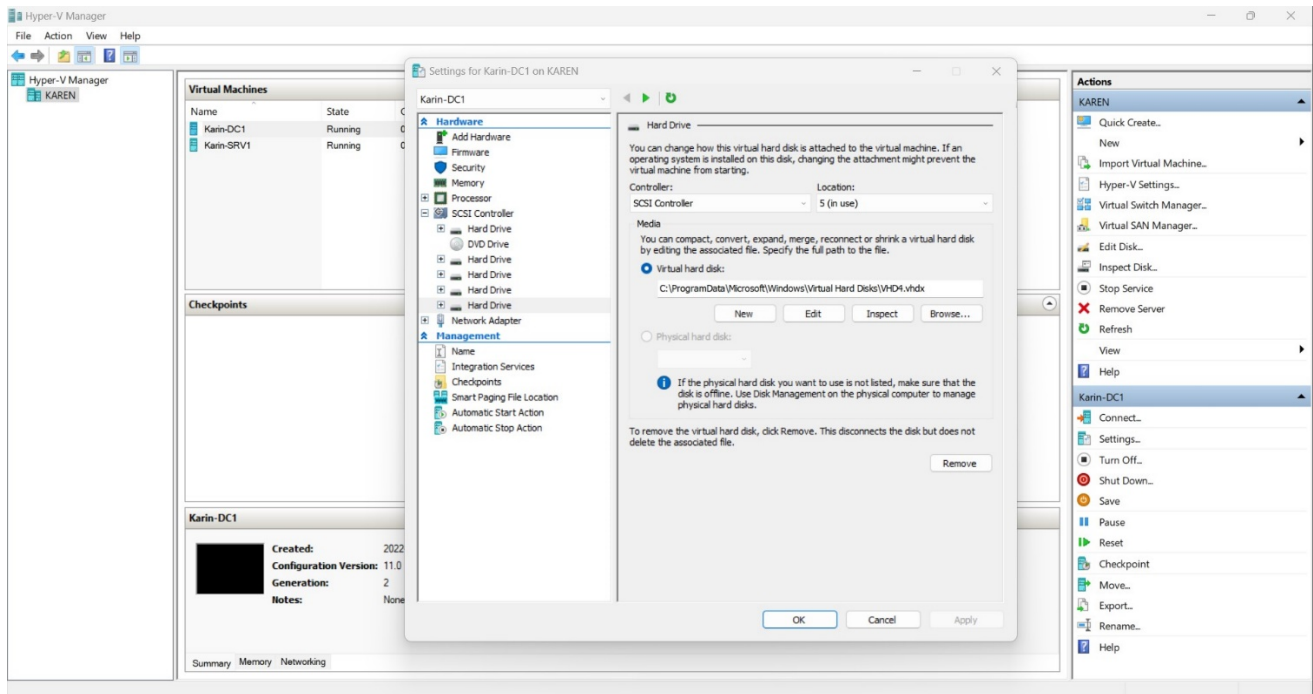
## 2. Lab Environment



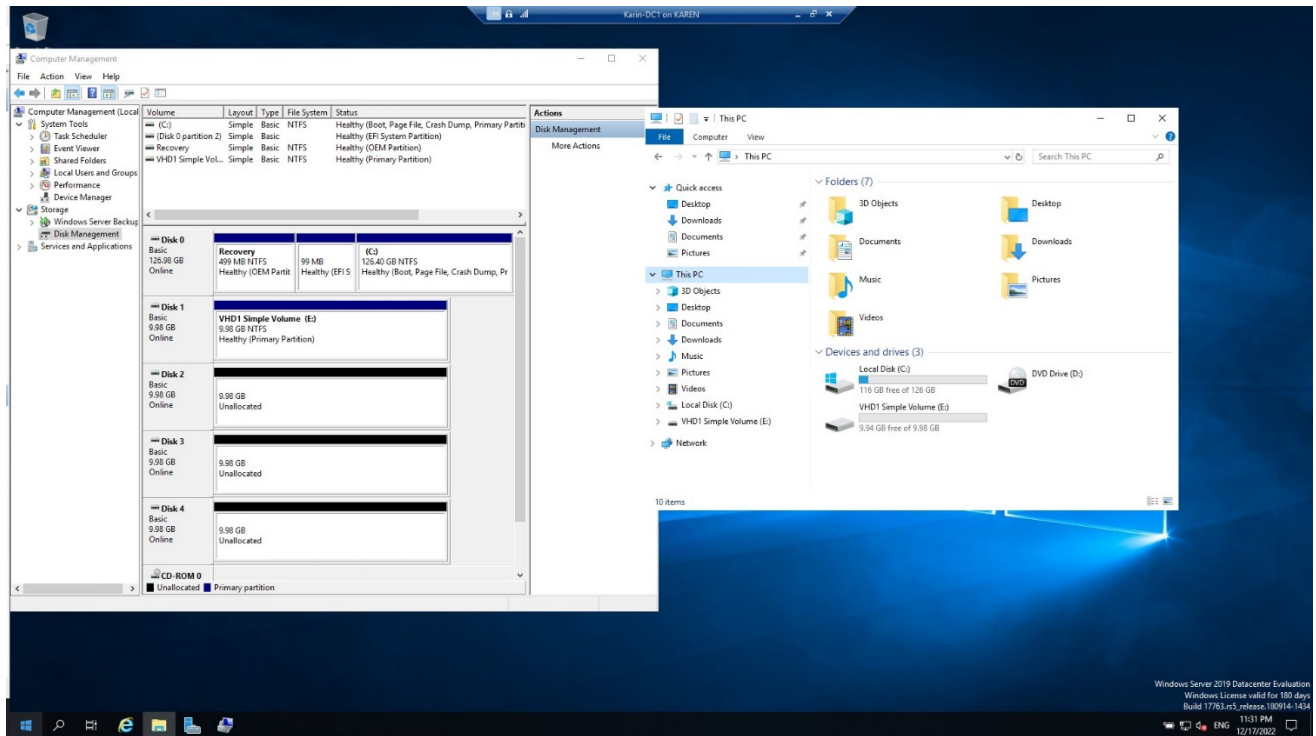
Server 1 – Karin-DC1

Server 2 – Karin-SRV1

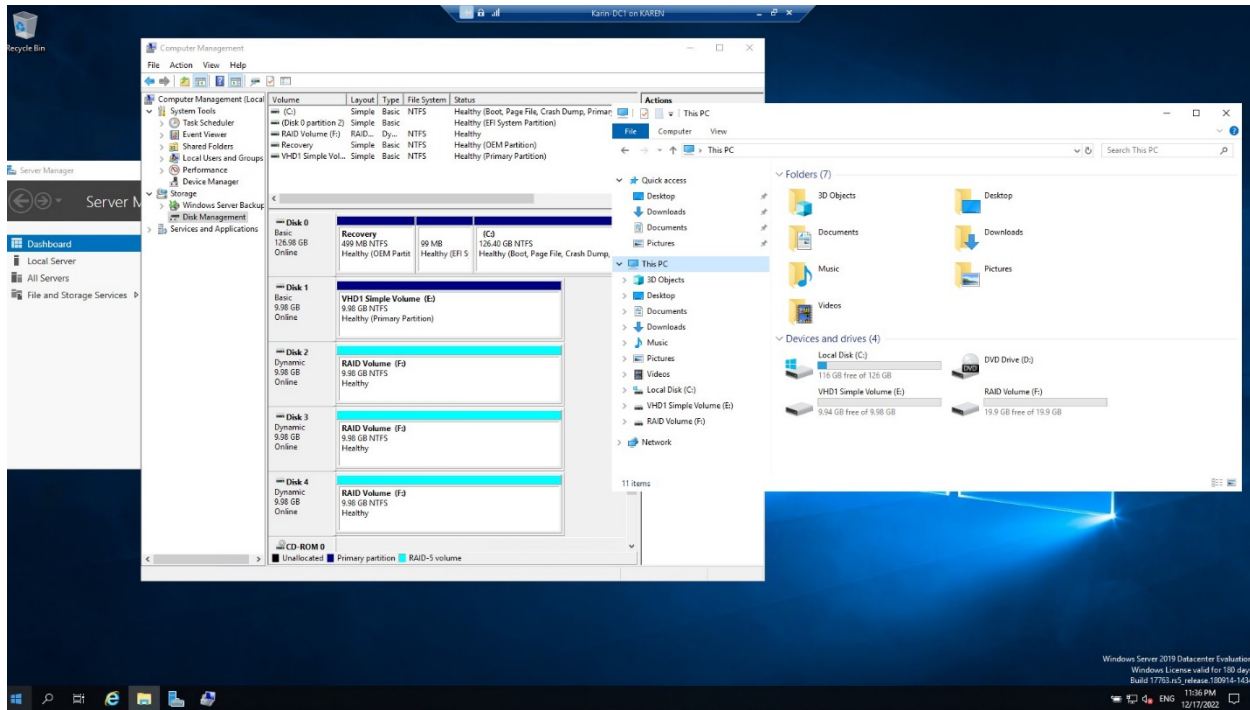
### 3. Adding Storage Devices



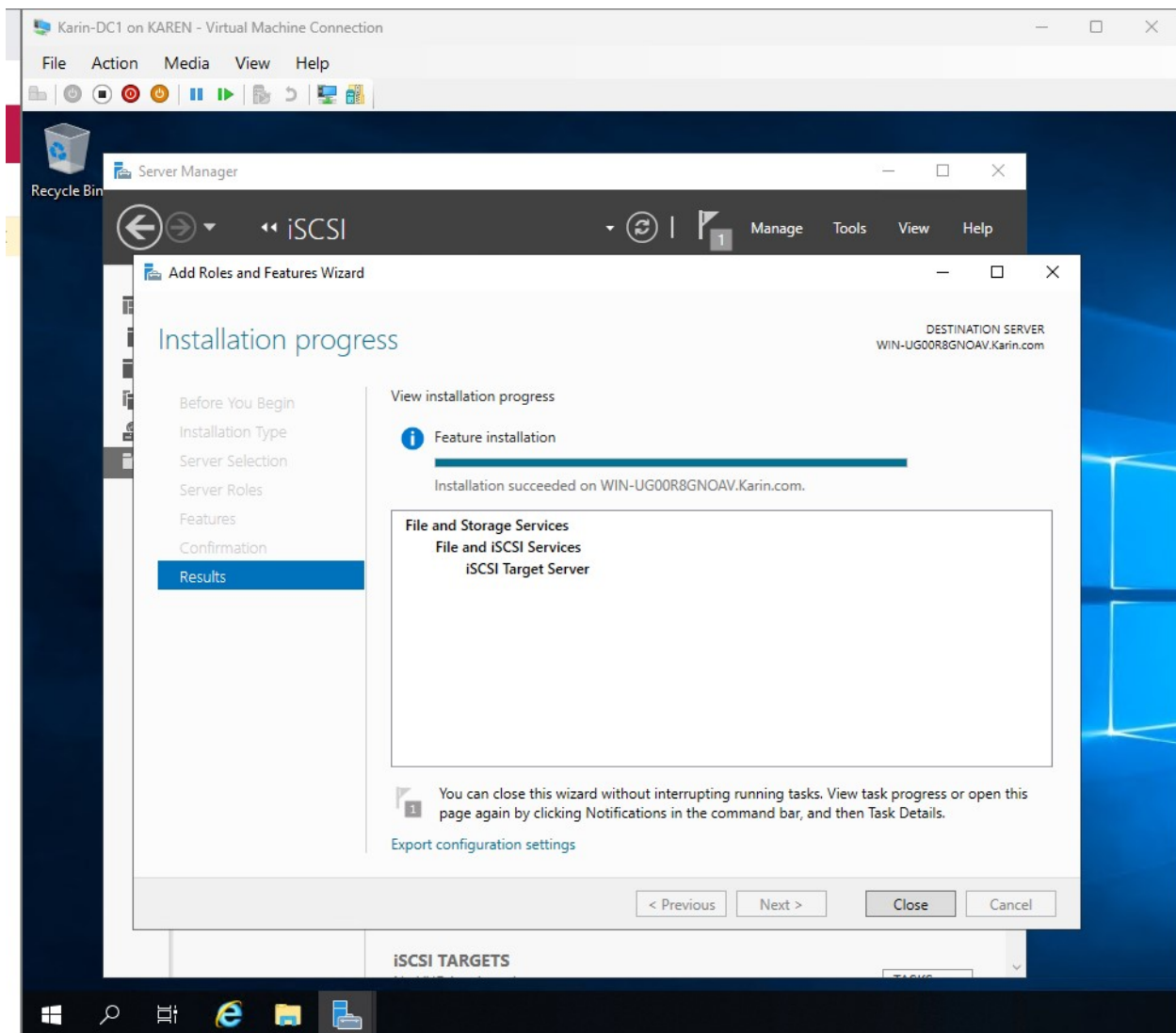
### 3.1. Creating Simple Volumes



## 4. Configuring and Managing RAID Volumes on the Virtual Hard Disks

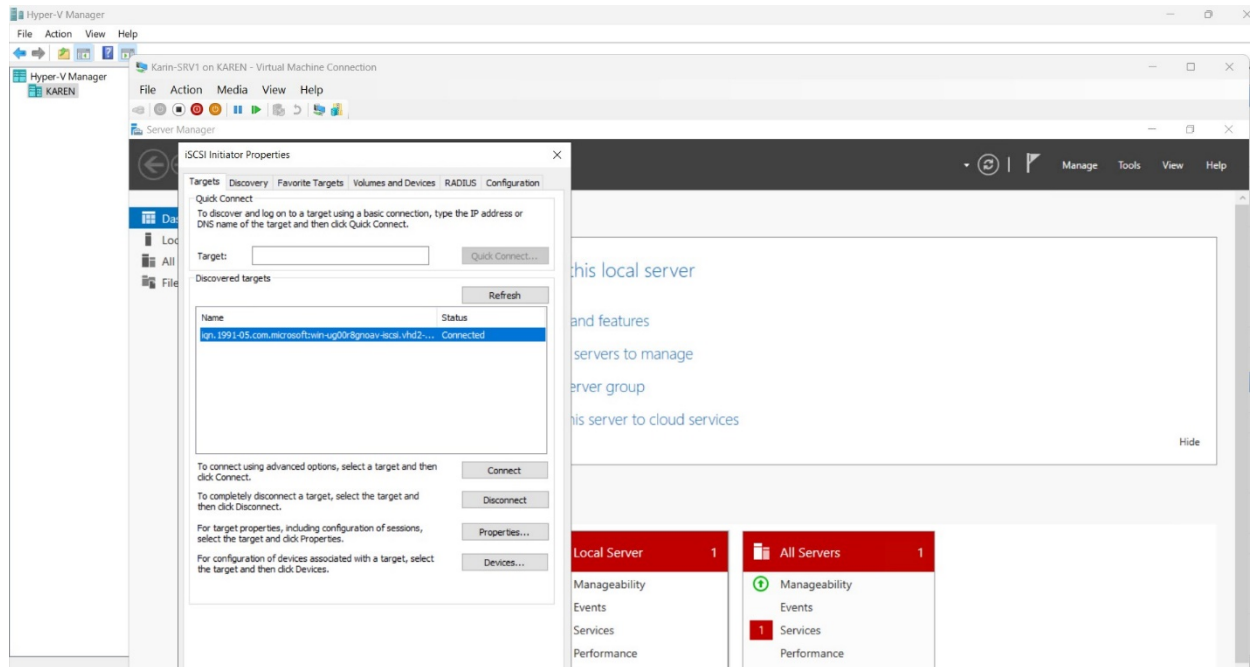


## 5. Server Manager and Storage Spaces

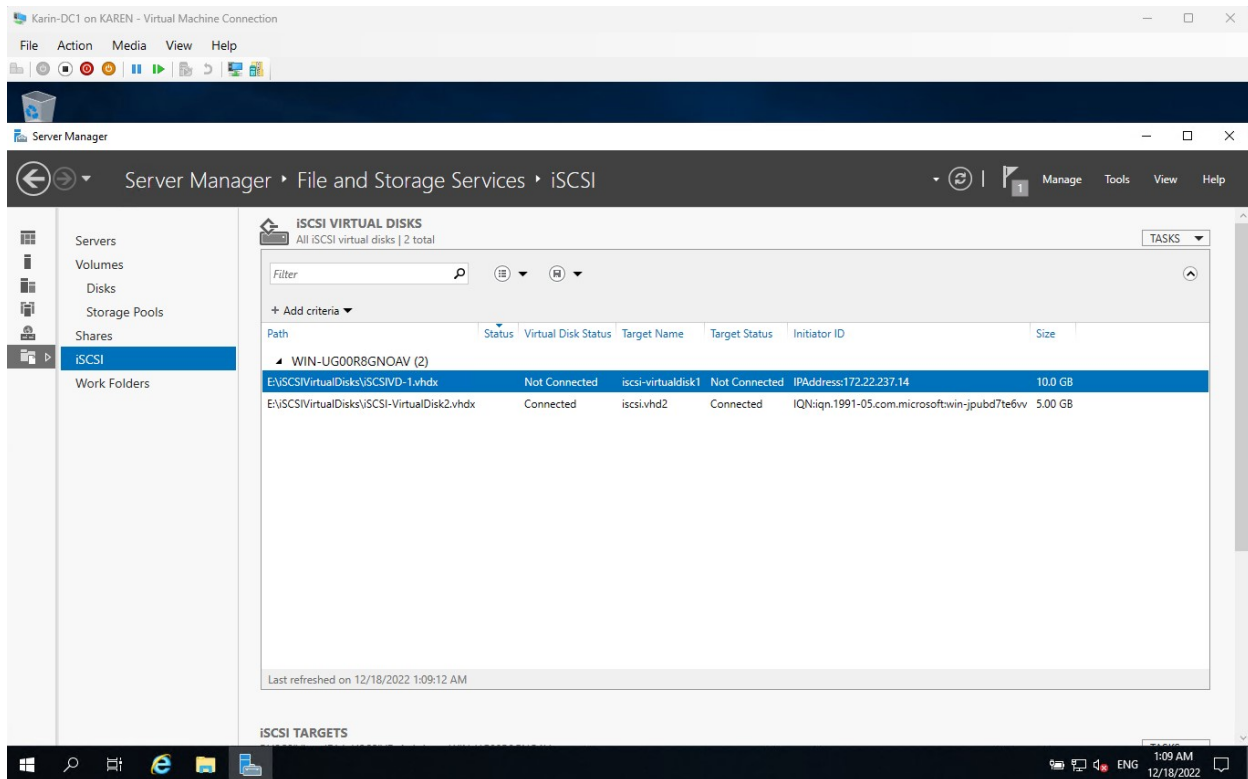




## 6. ISCSI Target Initiated on SRV1

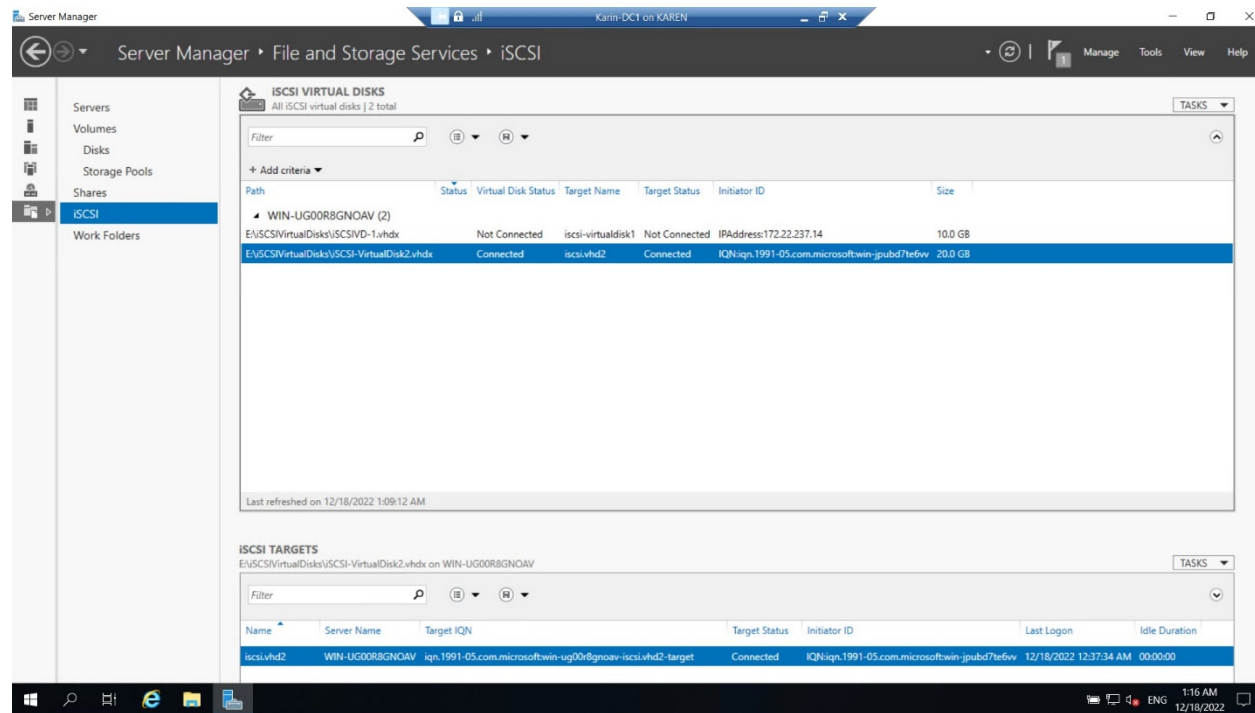


## 6.1. iSCSI Configured on DC1

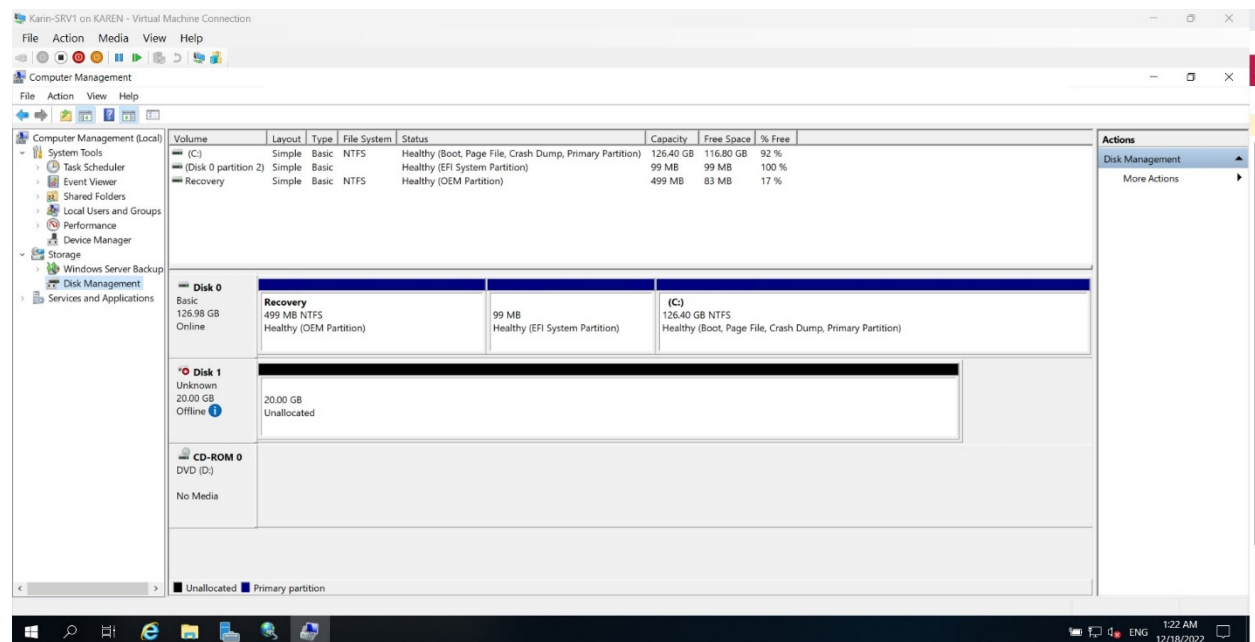


## 7. Exercises

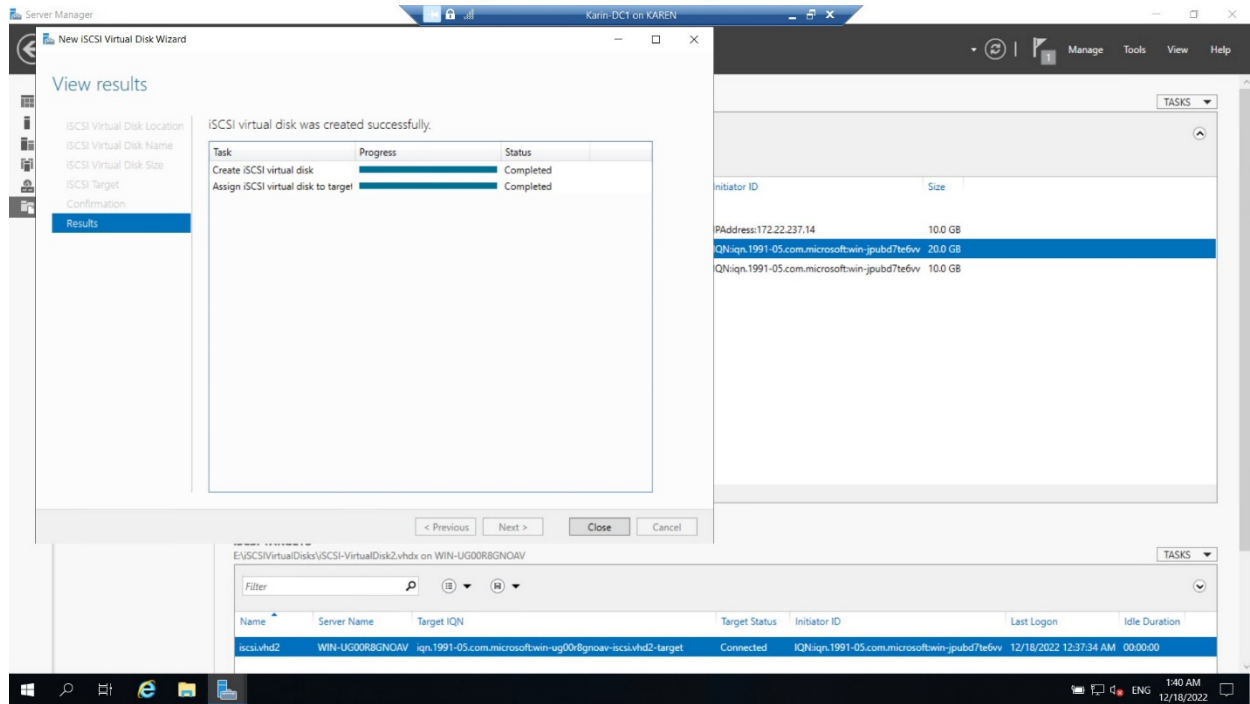
### Extending the iSCSI Virtual Disk to 20GB

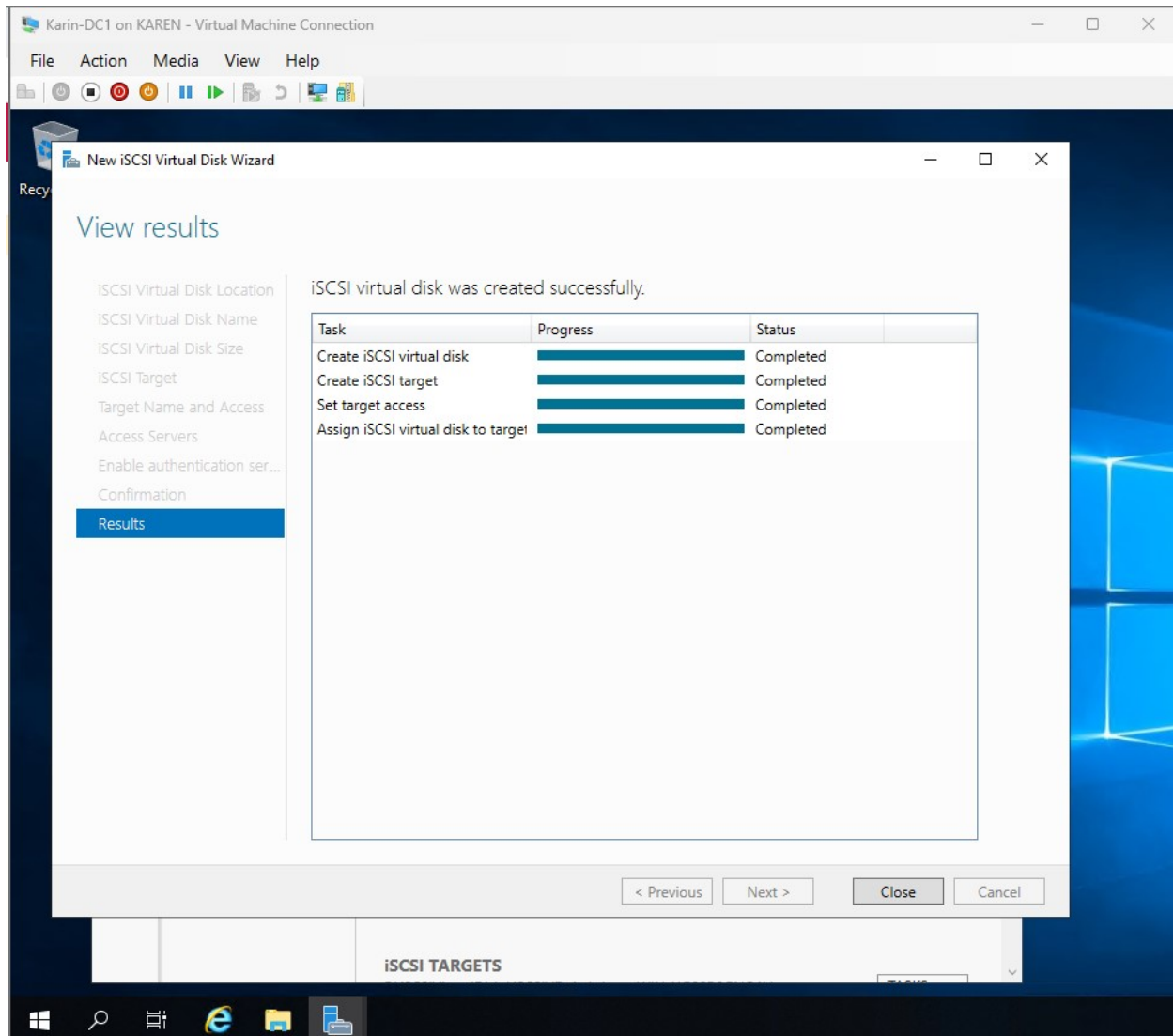


### SRV1 Disk Management showing the extended disk

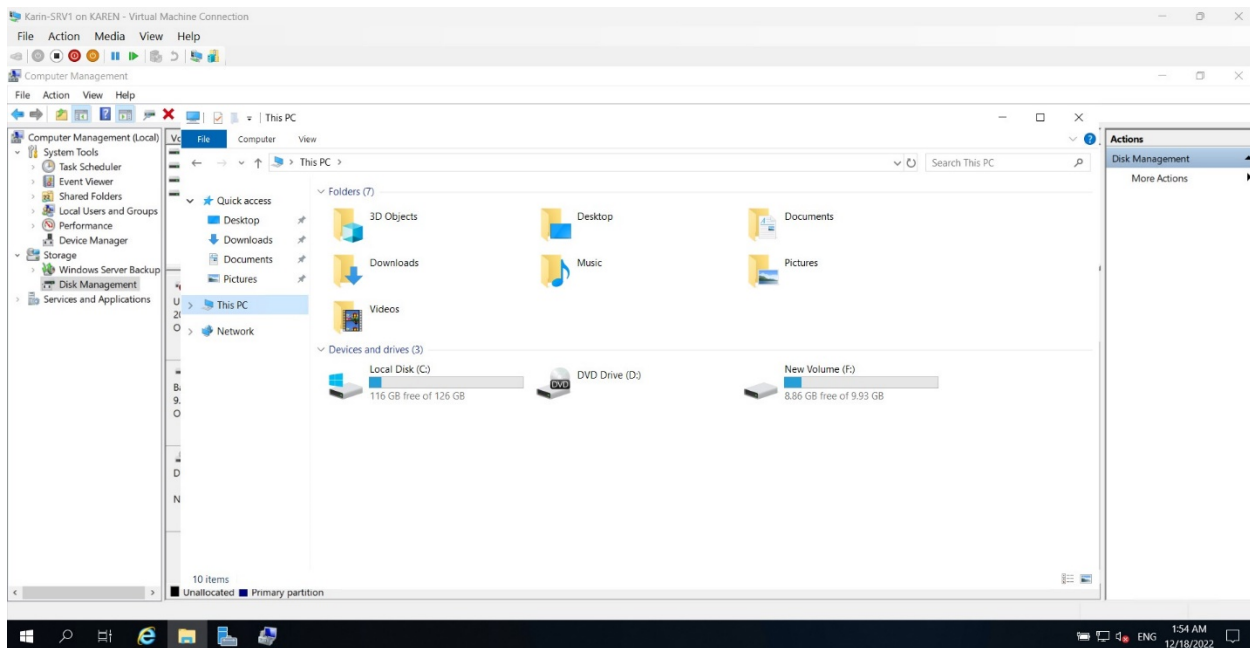
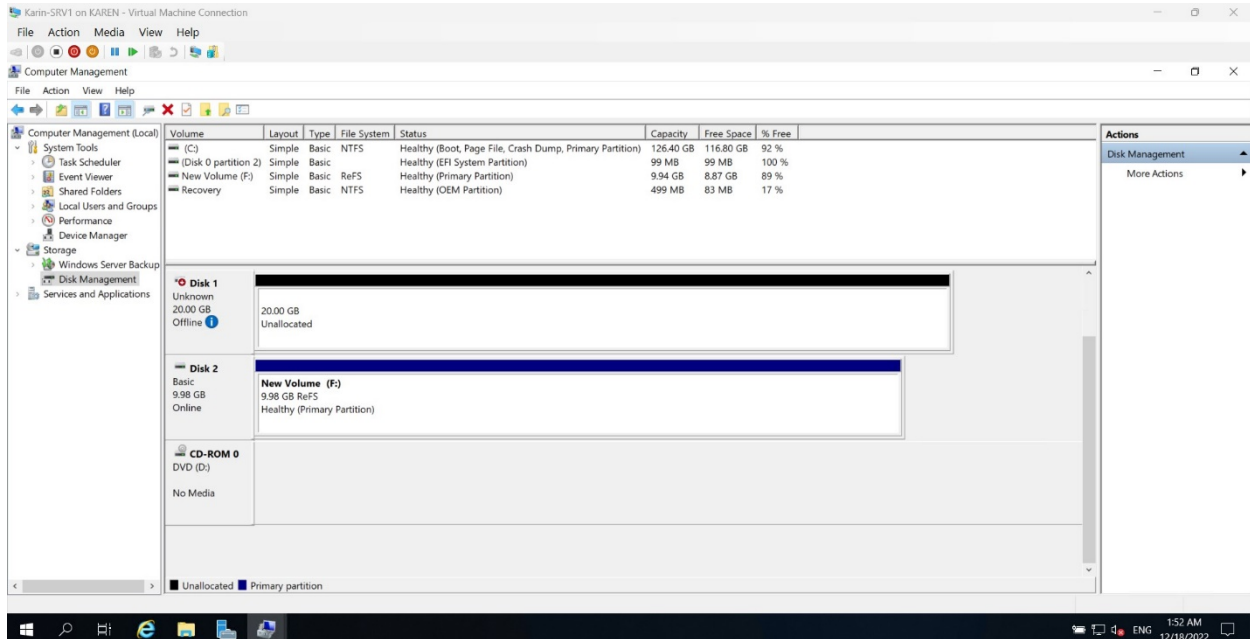


## 7.1. New Virtual Disk 10GB





## 7.2. ReFs Volume on Disk 3



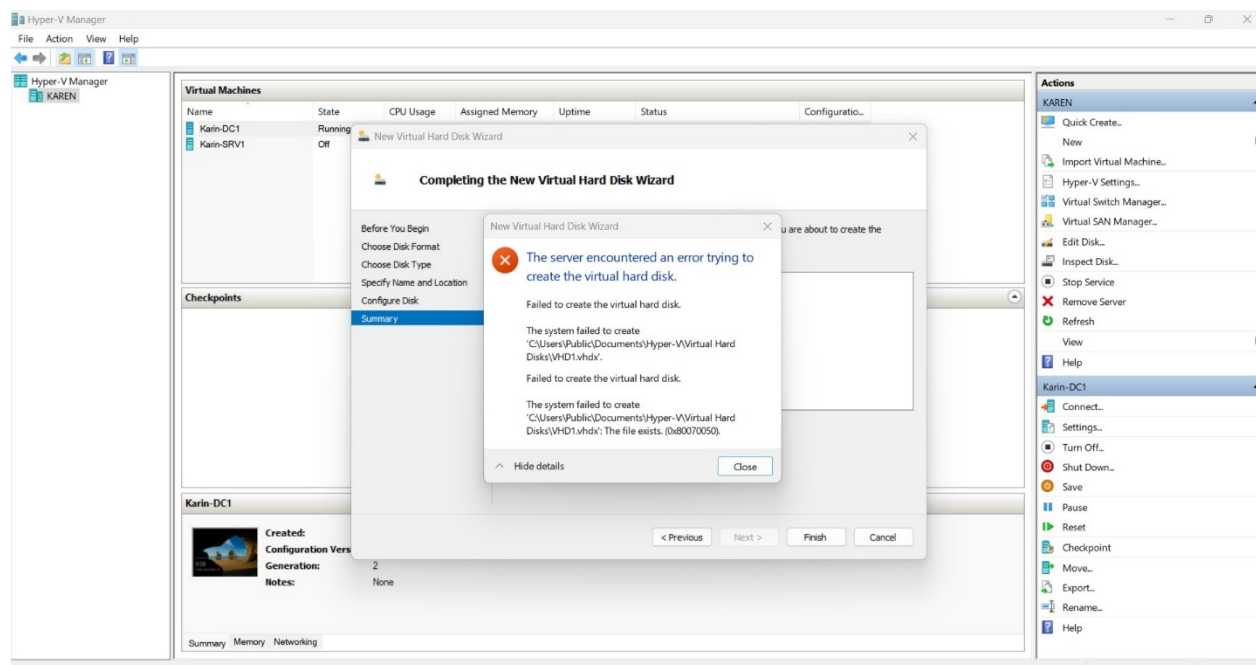
## TROUBLESHOOTING

On the first task of this project, I encountered a problem, I couldn't access or see the Virtual hard disks I had created, even though I completed the New Virtual Hard Disk set up wizard. I was not sure what the problem was, so I started to create the drives again and then I started getting an error message

### Annex A – Identify the Problem

I couldn't access the VHDs I created and then Creating duplicate disks with the same names and not being able to access any of them

Then I began to receive this error message.

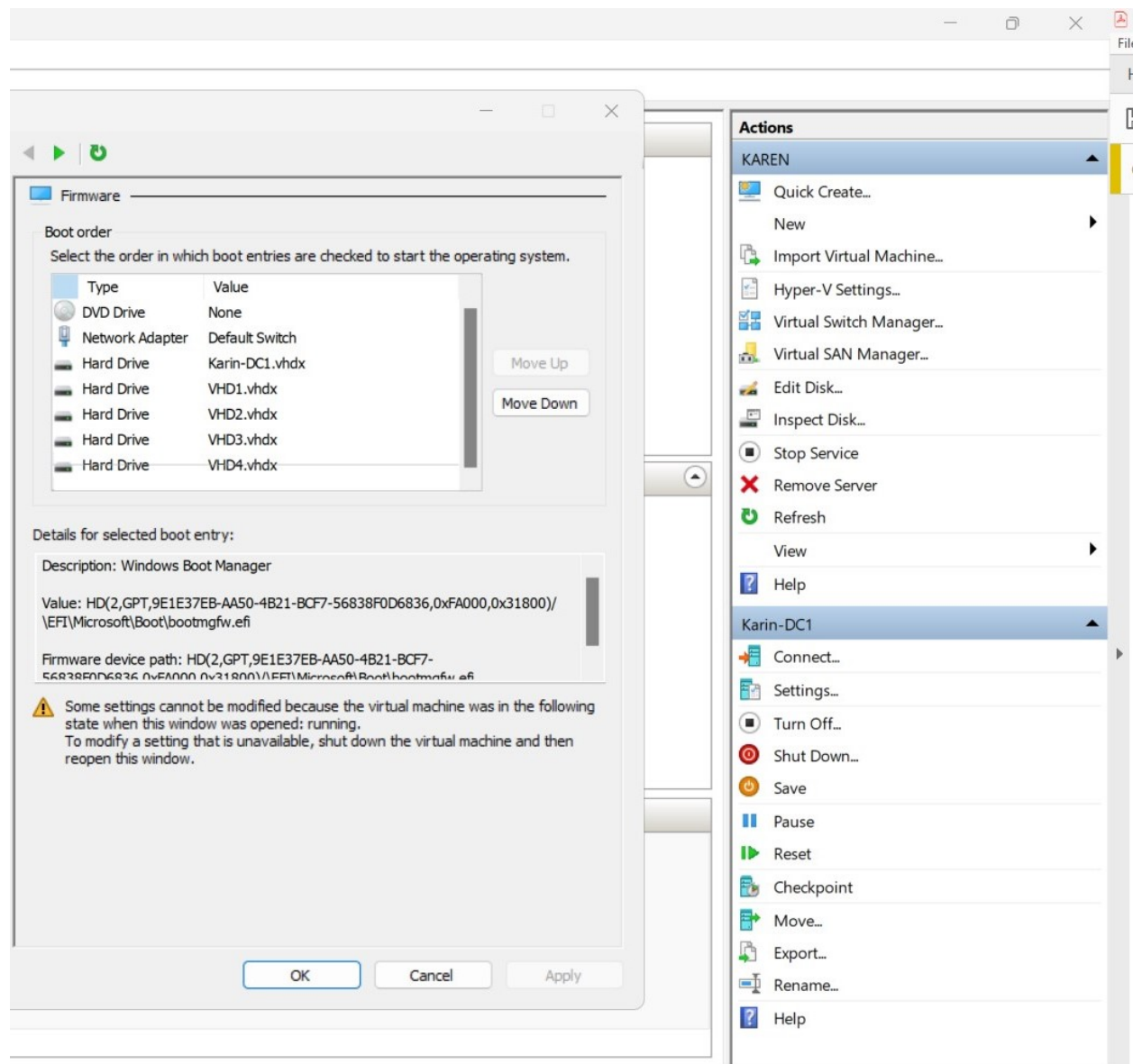


### Annex B – Establishing a theory of probable cause

I clicked on learn more and I realized the problem was the initial disks I created are hiding somewhere on the hard drive

### Annex C – Testing the theory to determine the cause

After clicking round in Hyper-V settings, I was able to confirm the theory that the disks are indeed created and on the hard drive.



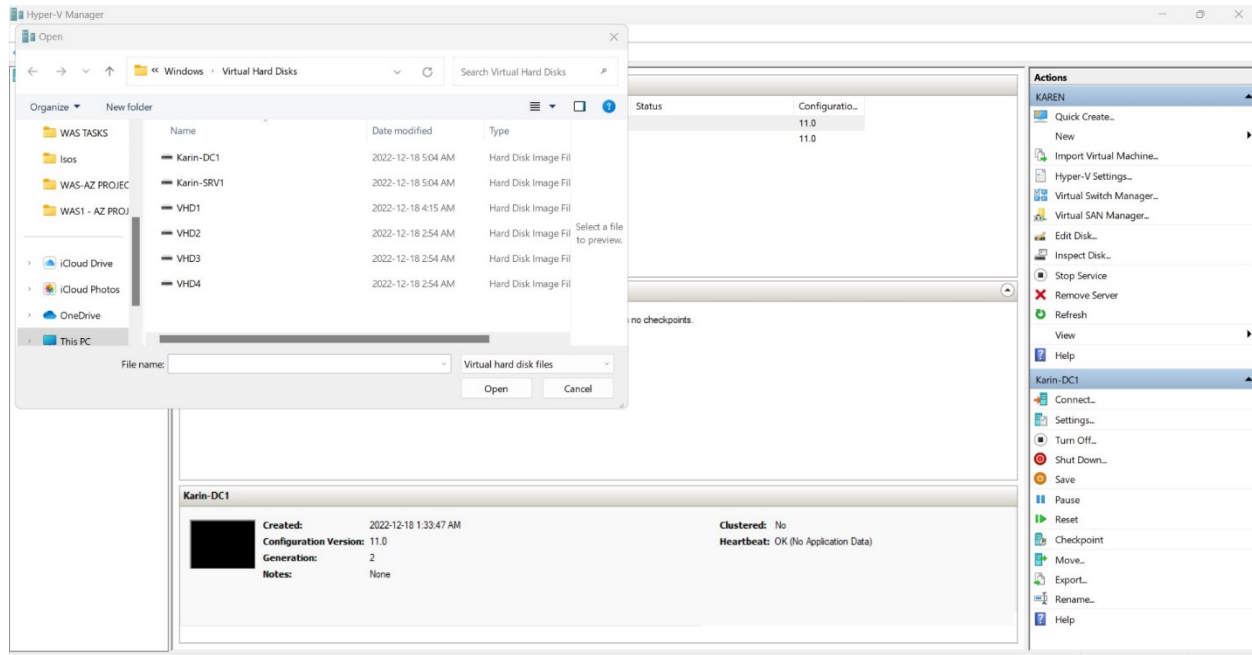
### Annex D – Establishing a plan of action to resolve the problem

Now I know I must delete these duplicate disks I have created and mount on the Virtual machine to be able to access them



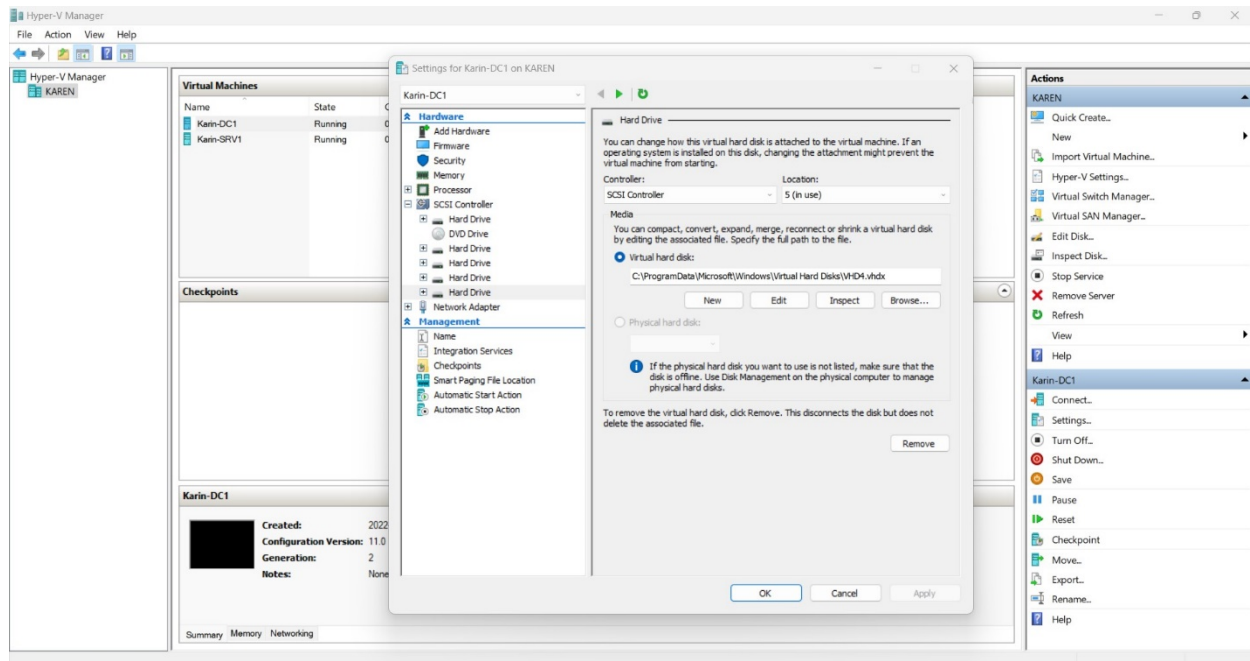
## Annex E – Implementing the solution

I went into Hyper-V Actions pane, there I saw the option to inspect disk and after opening that I was able to access the duplicate disks, and I could also delete from there



## Annex F – Verify functionality

After Implementing all the steps, I created other sets of Virtual Hard Disks, through the VM Settings options and I was able to see and access the disks I created.



## Annex G – Documenting

