



MACHINE.AI

CET2793: Administering Windows Server



NOVEMBER 1, 2024

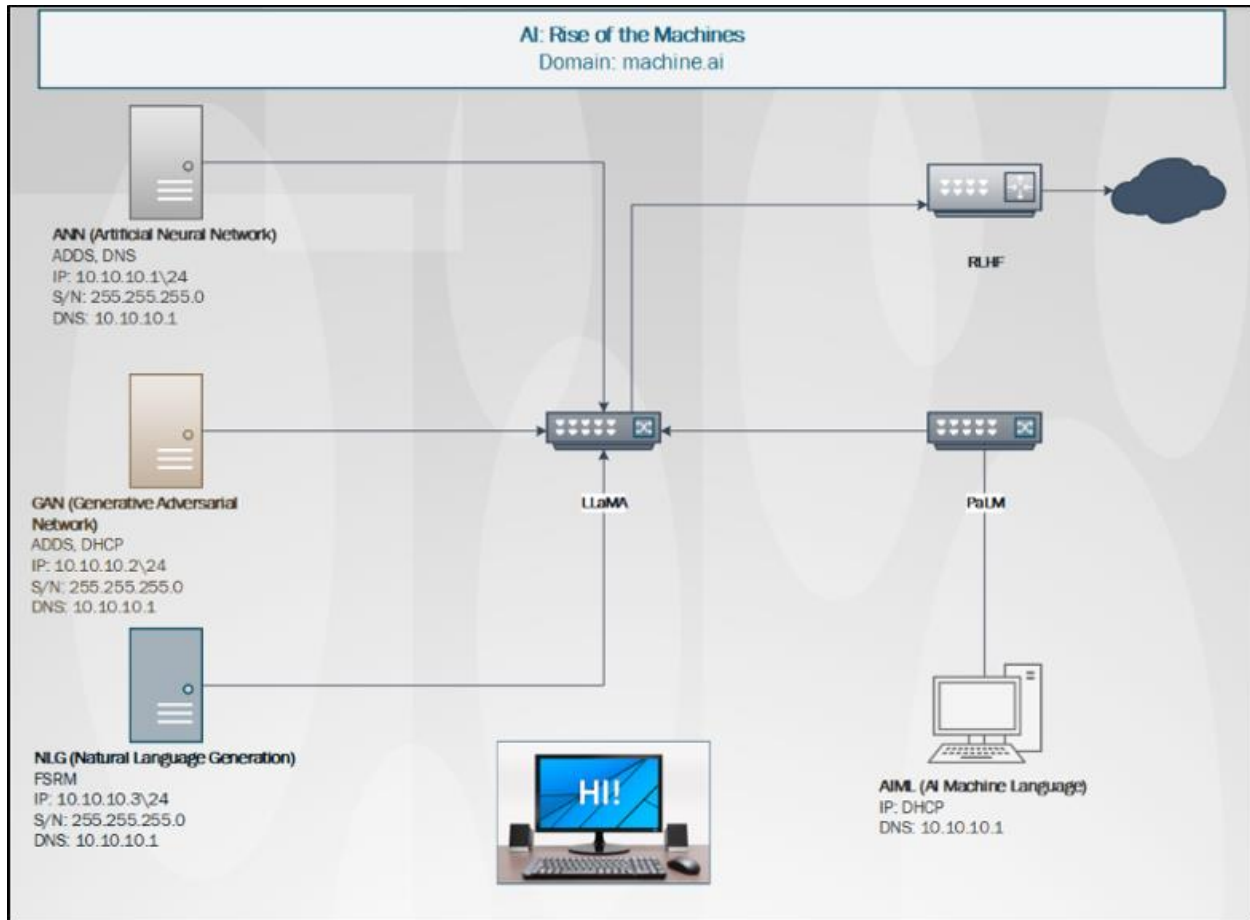
MACHINE.AI

1535 Valencia Ave Tavares FL

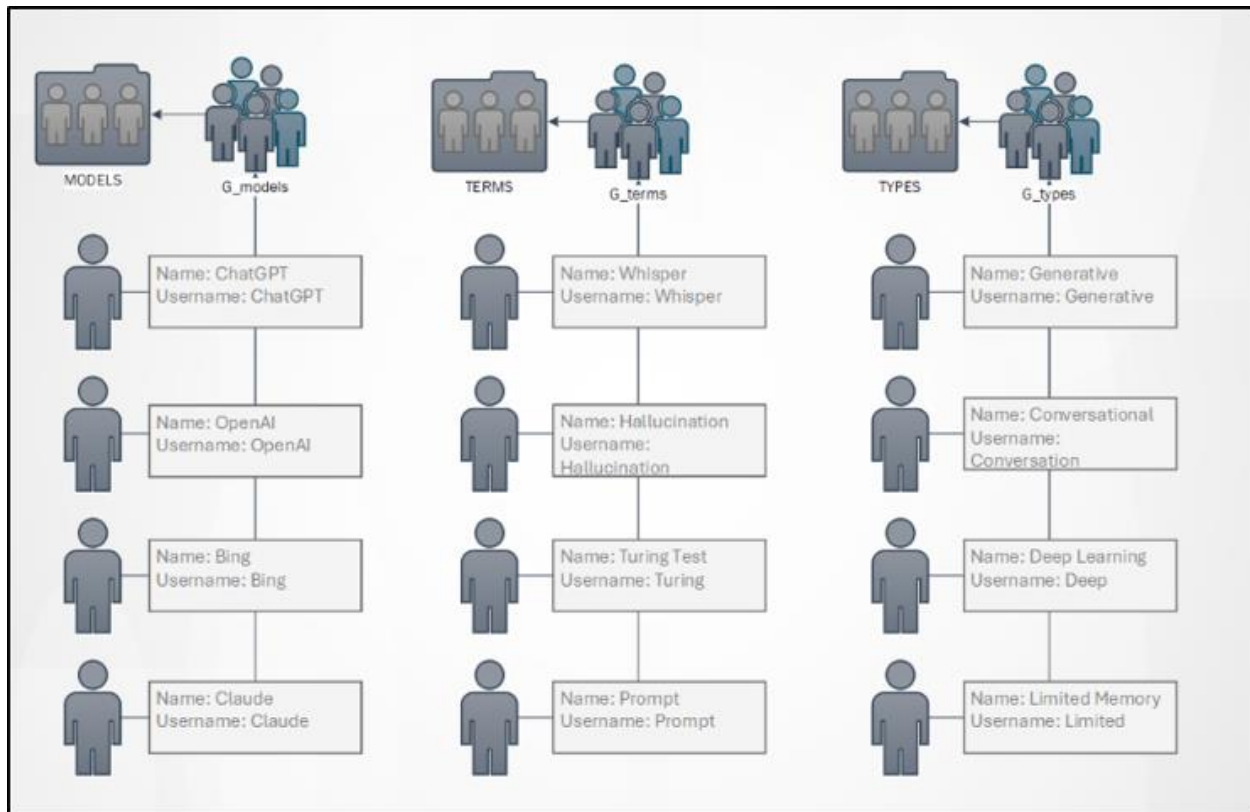
TABLE OF CONTENTS

Network Diagram.....	2
ADDS Diagram	3
Server # 1 Screenshots	4
OU Screenshots	6
Server #2 Screenshots	11
Client Screenshots	14
Server #3 Screenshots	16
Shared Folder Screenshots	20
GPO Screenshots	21

NETWORK DIAGRAM



ADDS DIAGRAM



SERVER # 1 SCREENSHOTS

Figure 1: Screenshot of the hardware settings from Server 1

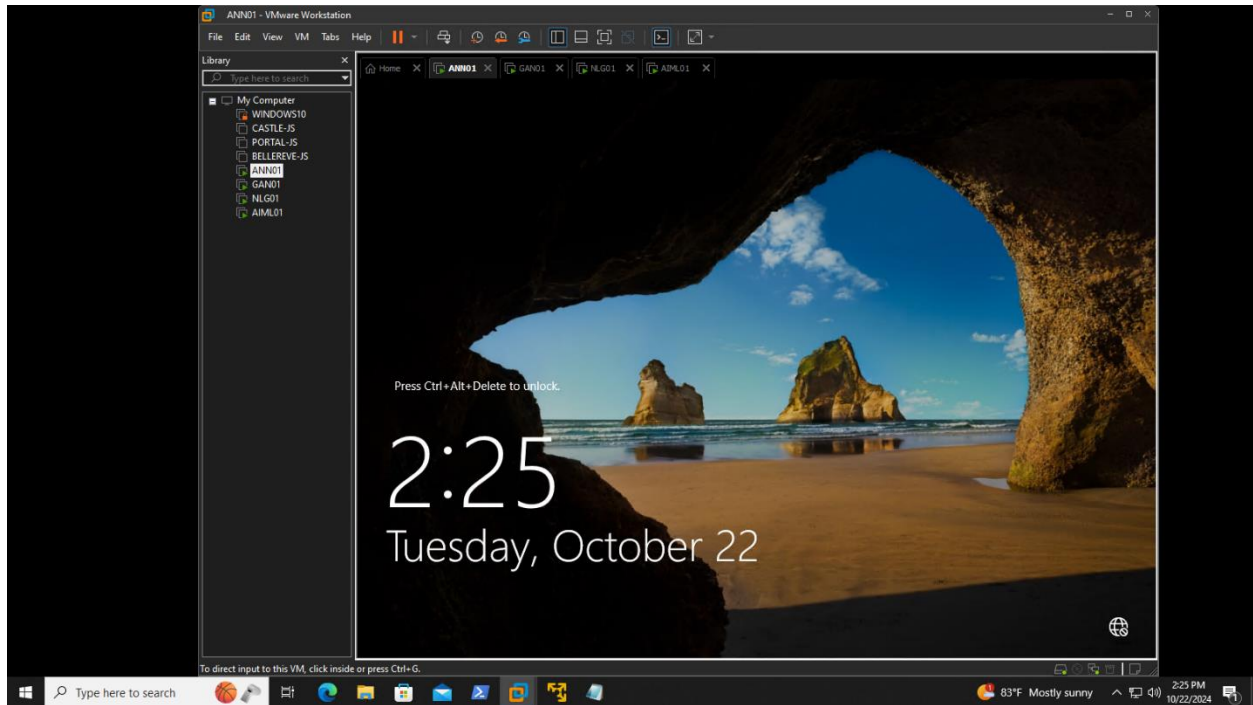
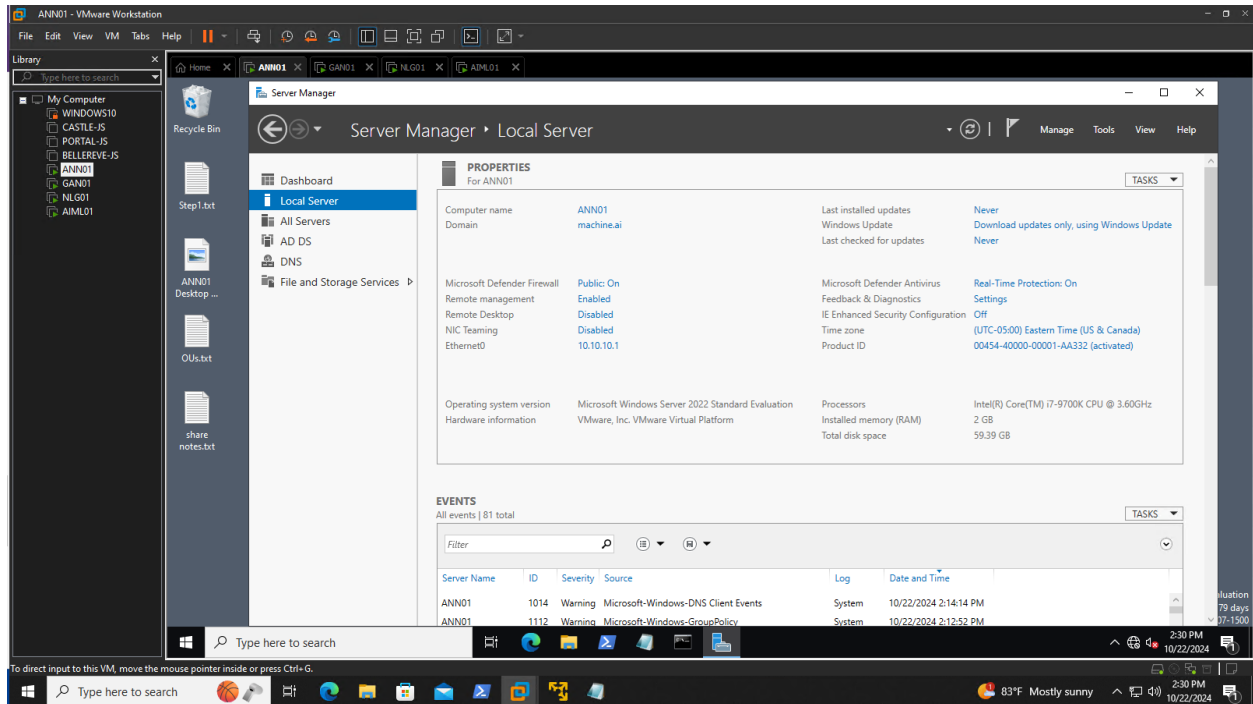


Figure 2: Screenshots of the Local Server screen from Server 1



OU SCREENSHOTS

Figure 3: Instructor OU's and Shares

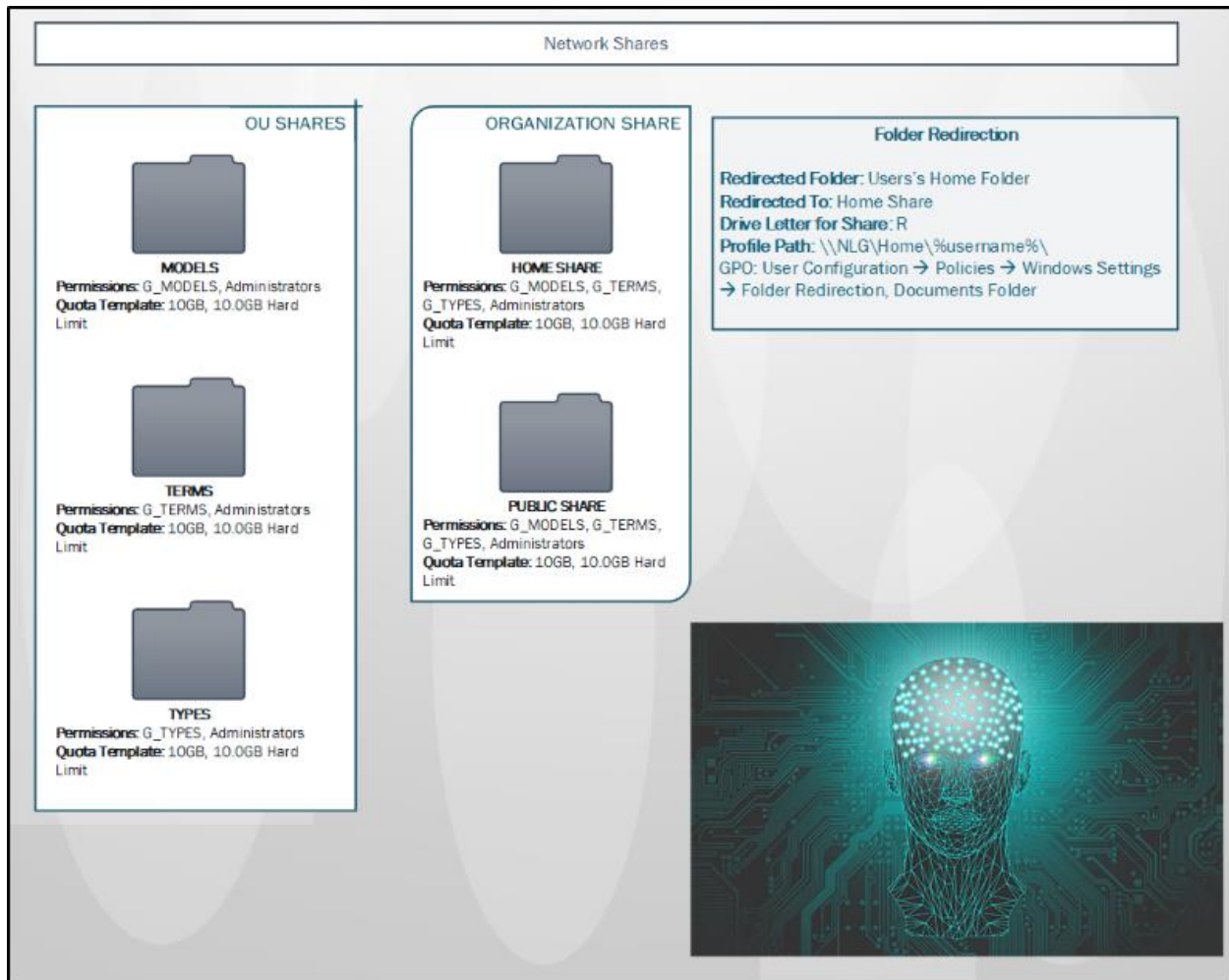


Figure 4: Screenshot of the OUs

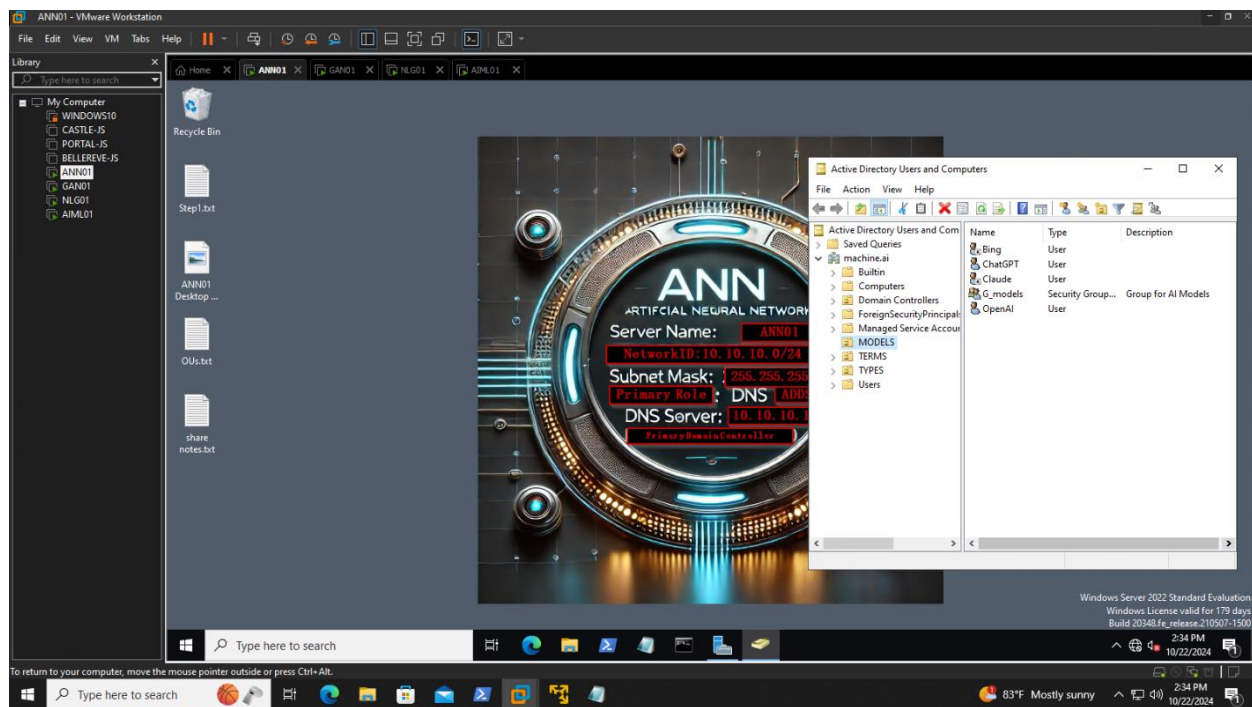


Figure 5: Screenshot of the users & GROUPS `MODELS`

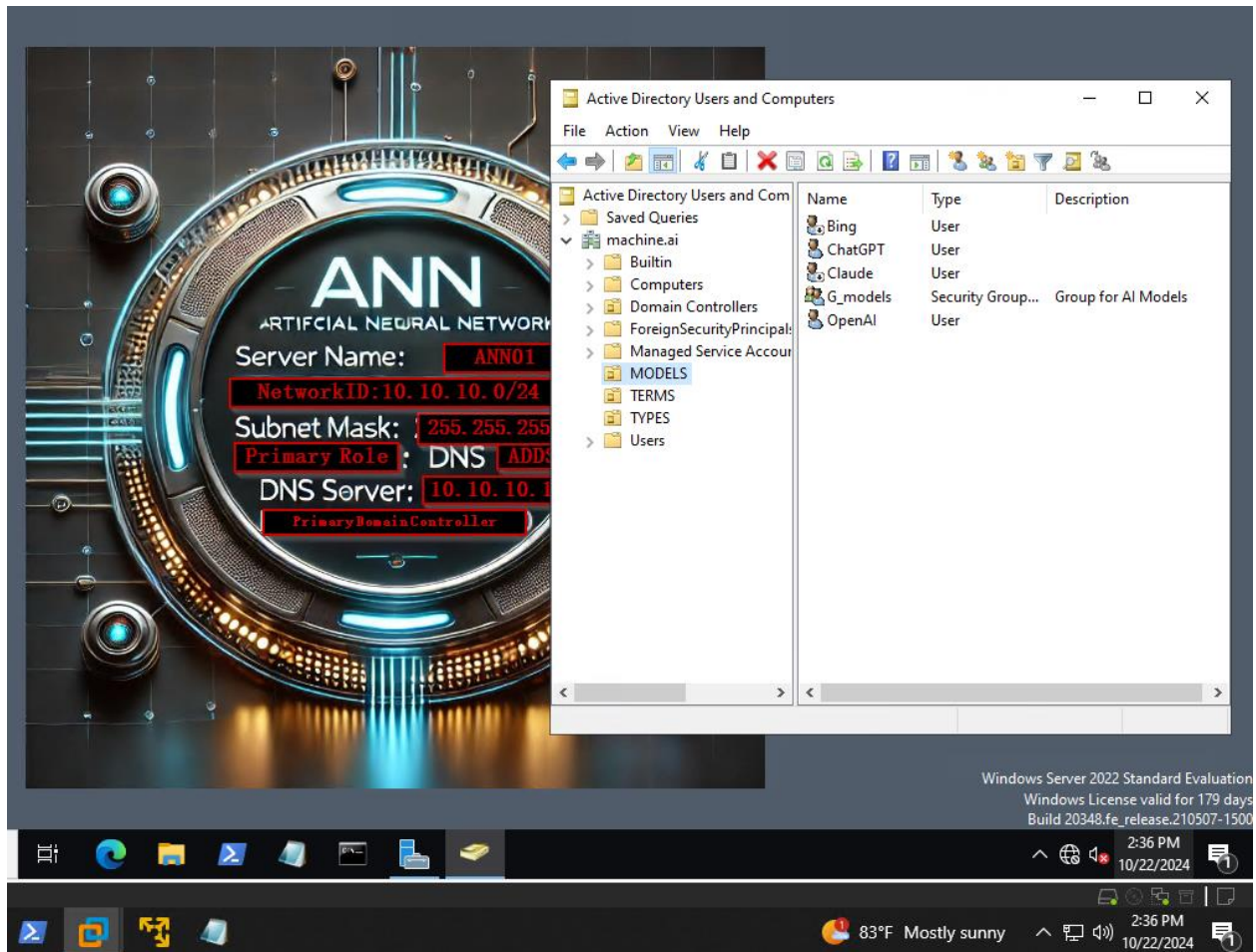


Figure 6: Screenshot of the users & GROUPS `TERMS`

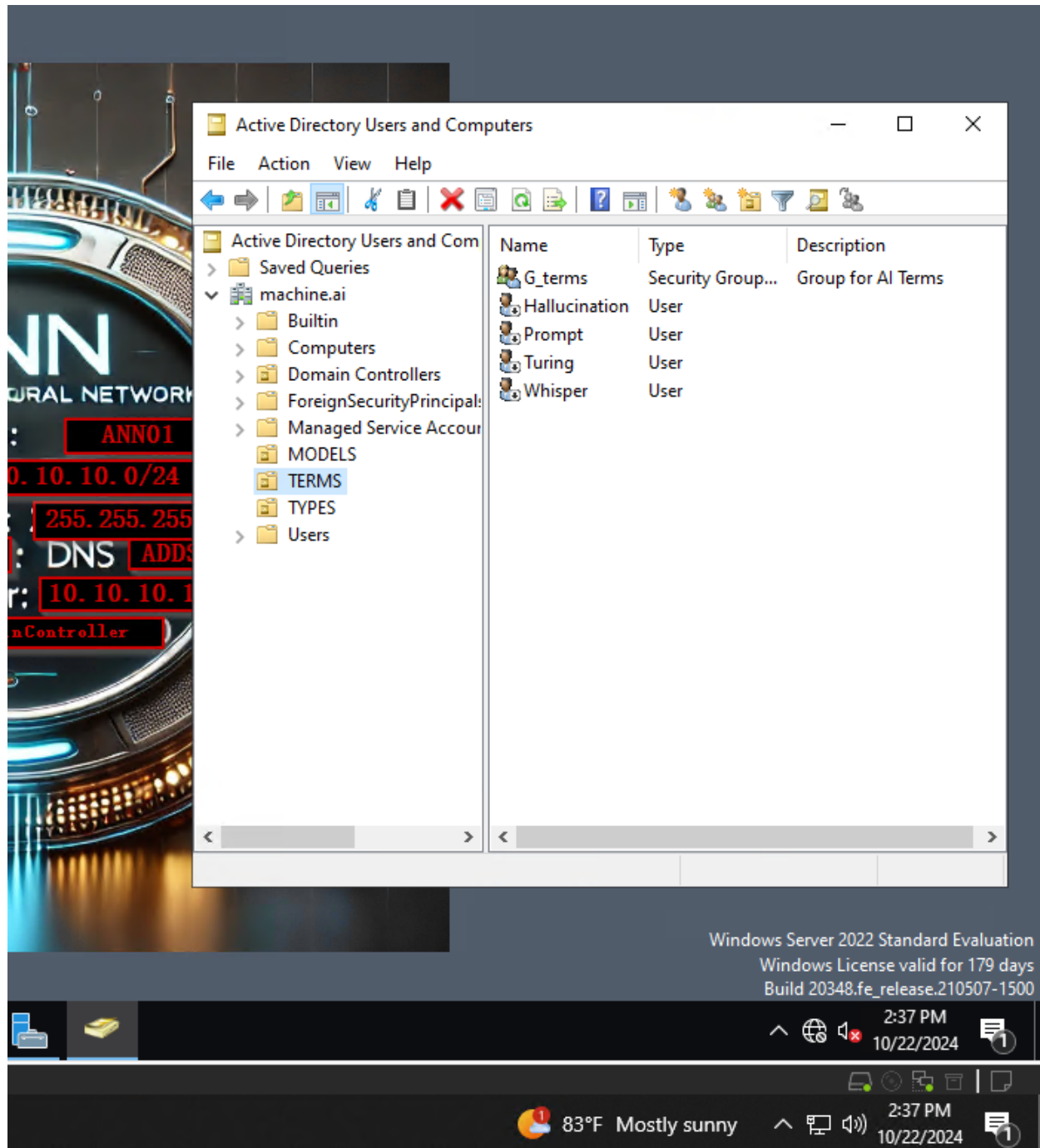
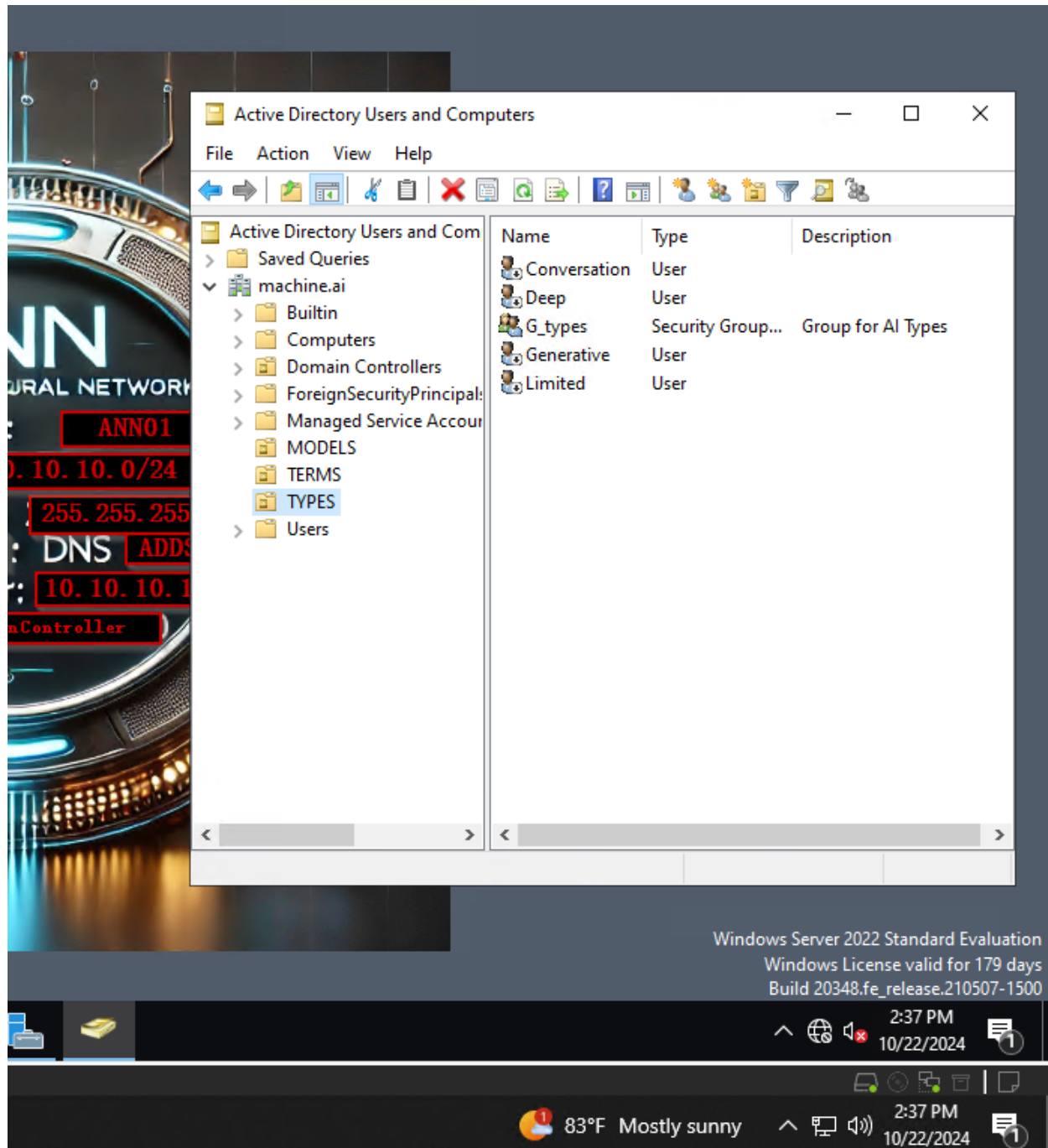


Figure 7: Screenshot of the users & GROUPS `TYPES`



SERVER #2 SCREENSHOTS

Figure 8: Server 2 Configuration

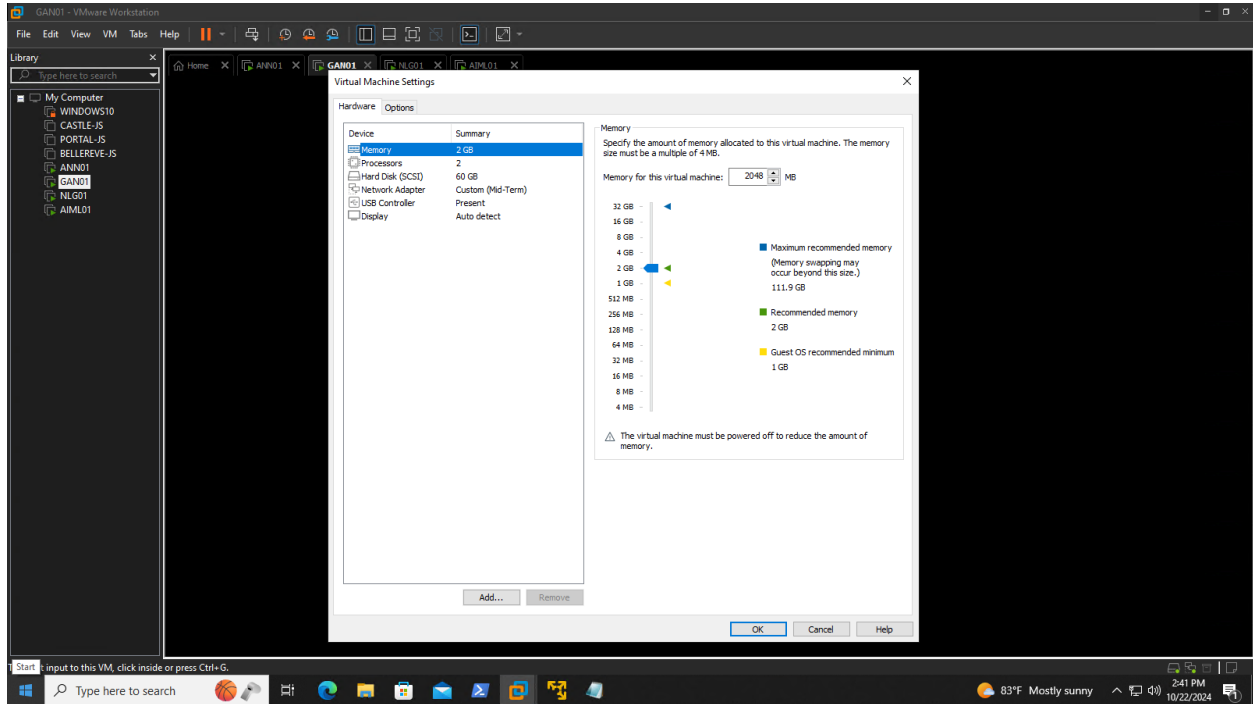


Figure 9: Server 2 Configuration

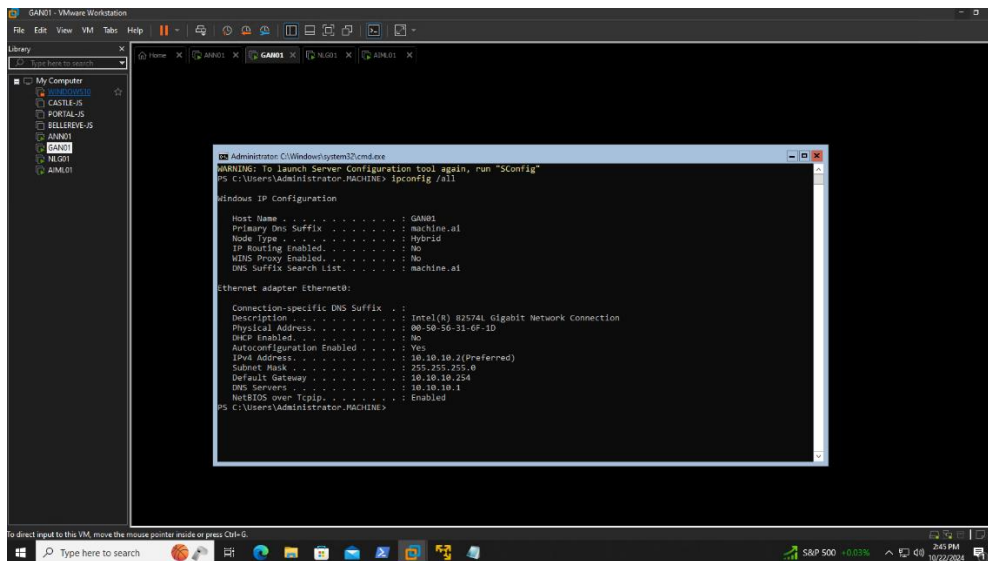


Figure 10:Users `Replication` Server 2 Configuration

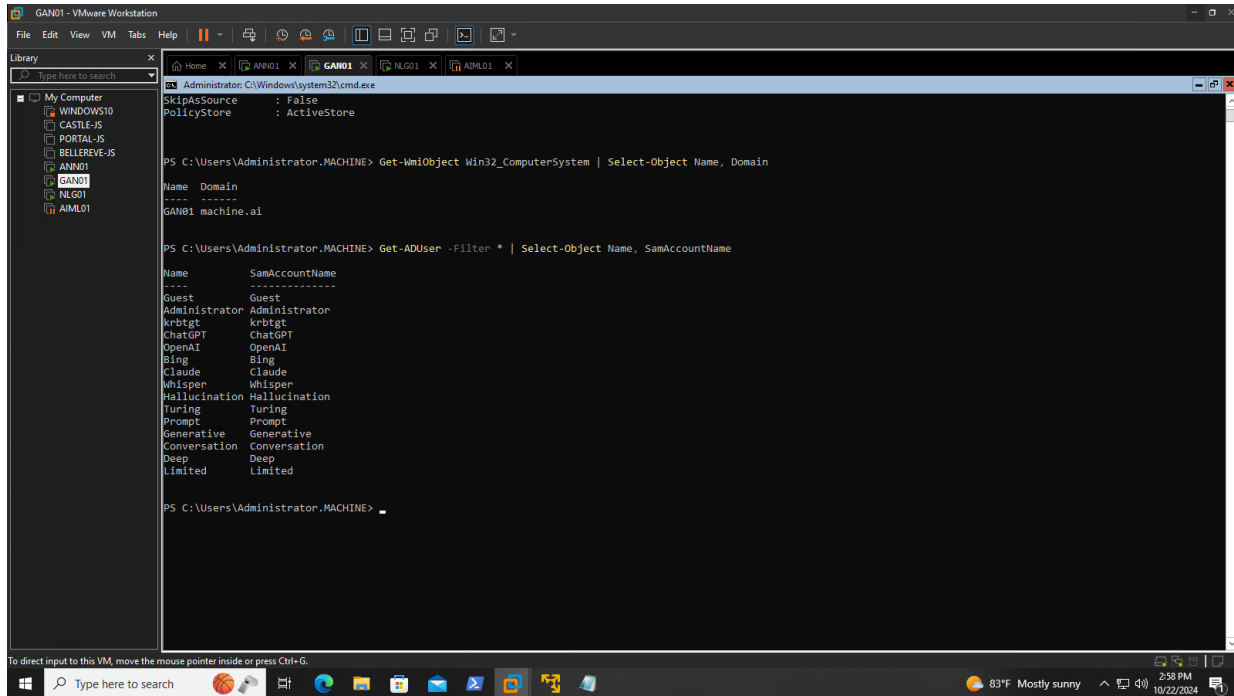


Figure 11:DHCP Server scope and details

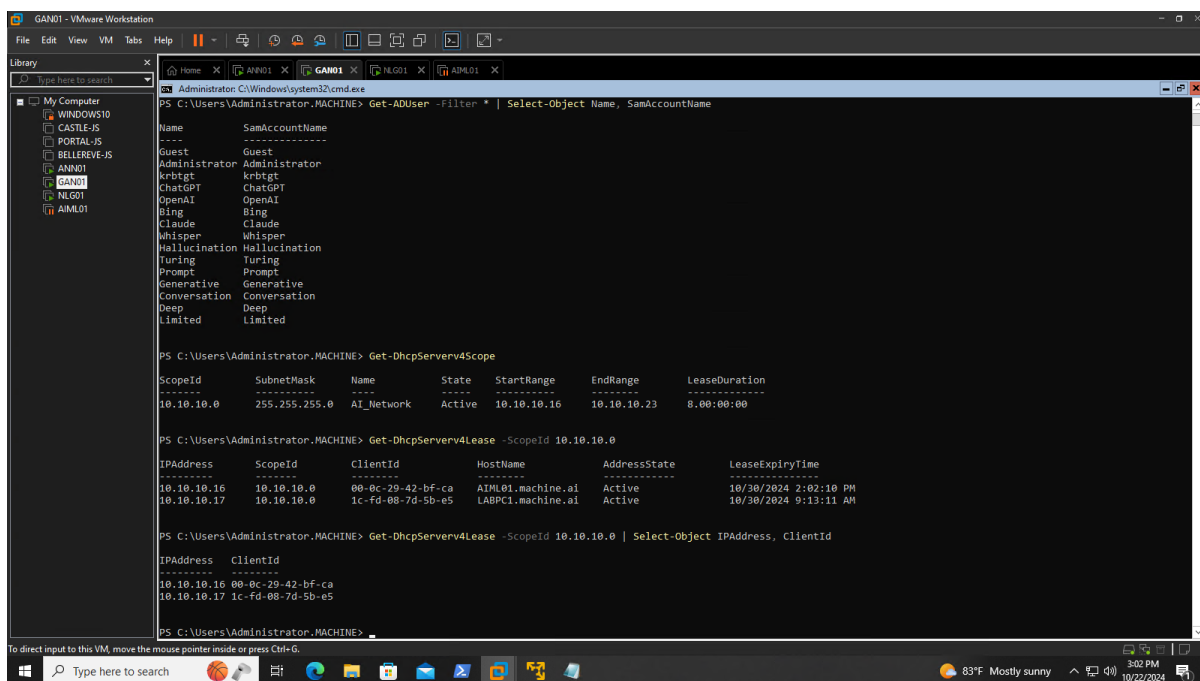


Figure 12: Bonus-PowerShell Configuration on a Windows Server Core machine

Administrator: C:\Windows\system32\cmd.exe

```
WARNING: To launch Server Configuration tool again, run "SConfig"
PS C:\Users\Administrator.MACHINE> Get-DhcpServerInDC
PS C:\Users\Administrator.MACHINE> $env:USERDOMAIN
MACHINE
PS C:\Users\Administrator.MACHINE> (Get-WmiObject Win32_ComputerSystem).Domain
machine.ai
PS C:\Users\Administrator.MACHINE> Add-DhcpServerInDC -DnsName "gan01.machine.ai" -IPAddress 10.10.10.2
PS C:\Users\Administrator.MACHINE> Get-DhcpServerInDC

IPAddress      DnsName
-----
10.10.10.2      gan01.machine.ai

PS C:\Users\Administrator.MACHINE> Test-Connection -ComputerName ANW01

Source      Destination      IPv4Address      IPv6Address      Bytes      Time(ms)
-----
GANW01      ANW01            10.10.10.1       32               0
GANW01      ANW01            10.10.10.1       32               0
GANW01      ANW01            10.10.10.1       32               21
GANW01      ANW01            10.10.10.1       32               4

PS C:\Users\Administrator.MACHINE> Add-DhcpServerv4Scope -Name "AI_Network" -StartRange 10.10.10.16 -EndRange 10.10.10.23 -SubnetMask 255.255.255.0 -LeaseDuration 8.00:00:00
PS C:\Users\Administrator.MACHINE> Set-DhcpServerv4OptionValue -ScopeId 10.10.10.0 -OptionId 3 -Value 10.10.10.254
PS C:\Users\Administrator.MACHINE> Set-DhcpServerv4OptionValue -ScopeId 10.10.10.0 -OptionId 6 -Value 10.10.10.1
PS C:\Users\Administrator.MACHINE> Set-DhcpServerv4OptionValue -ScopeId 10.10.10.0 -OptionId 15 -Value "machine.ai"
PS C:\Users\Administrator.MACHINE> Set-DhcpServerv4Scope -ScopeId 10.10.10.0 -State Active
PS C:\Users\Administrator.MACHINE> Get-DhcpServerv4Scope

ScopeId      SubnetMask      Name      State      StartRange      EndRange      LeaseDuration
-----
10.10.10.0    255.255.255.0  AI_Network Active      10.10.10.16     10.10.10.23  8.00:00:00

PS C:\Users\Administrator.MACHINE> restart_
```

CLIENT SCREENSHOTS

Figure 13:login-win-10 Client

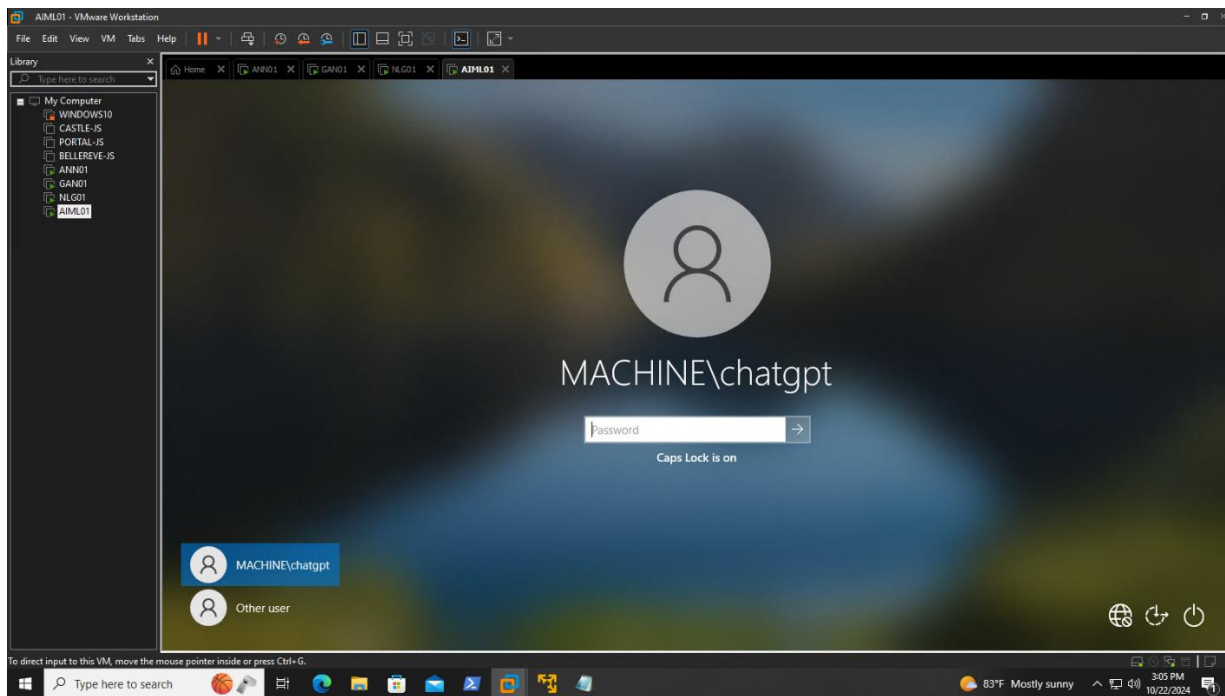


Figure 14:Windows 10 DHCP configured and pulling an IP from the scope created on Server 2

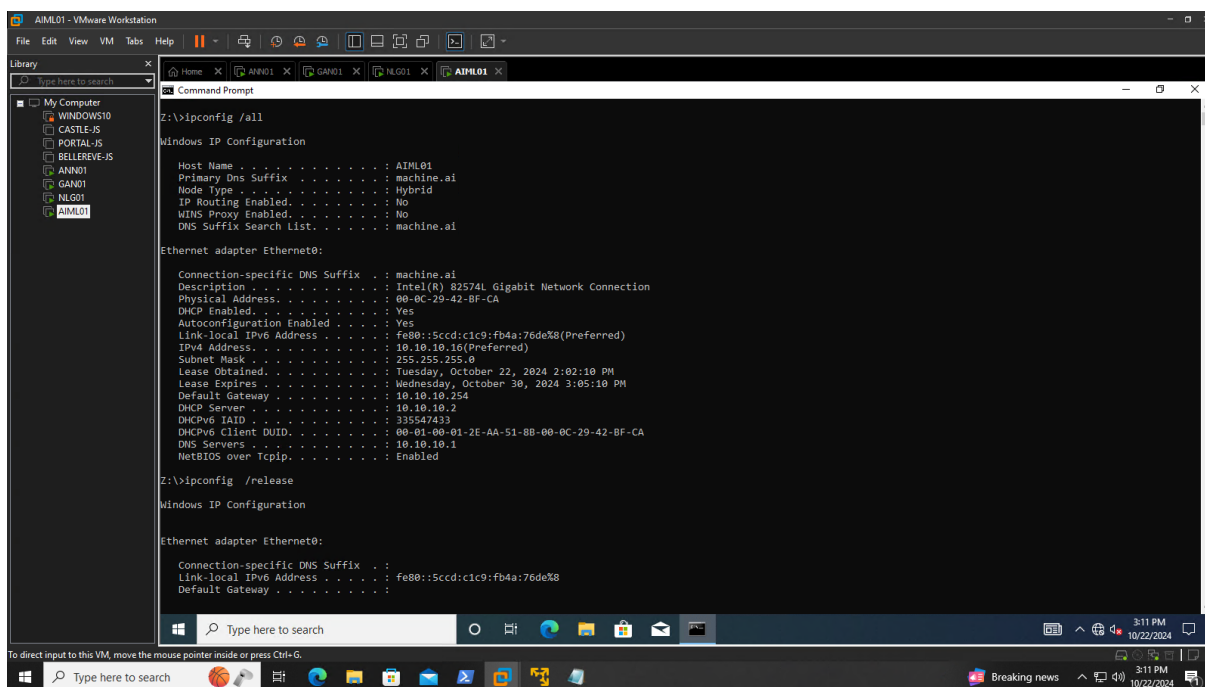
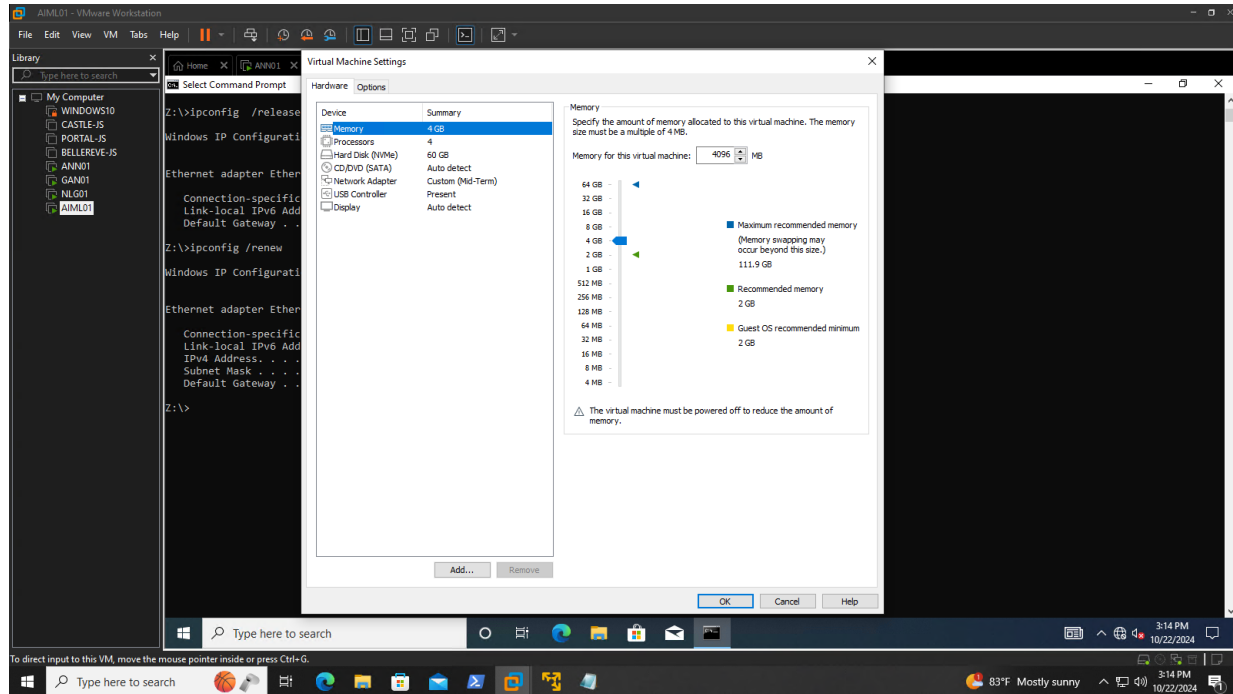


Figure 15: CLIENT-Hardware configurations



SERVER #3 SCREENSHOTS

Figure 16:Server 3 Hardware

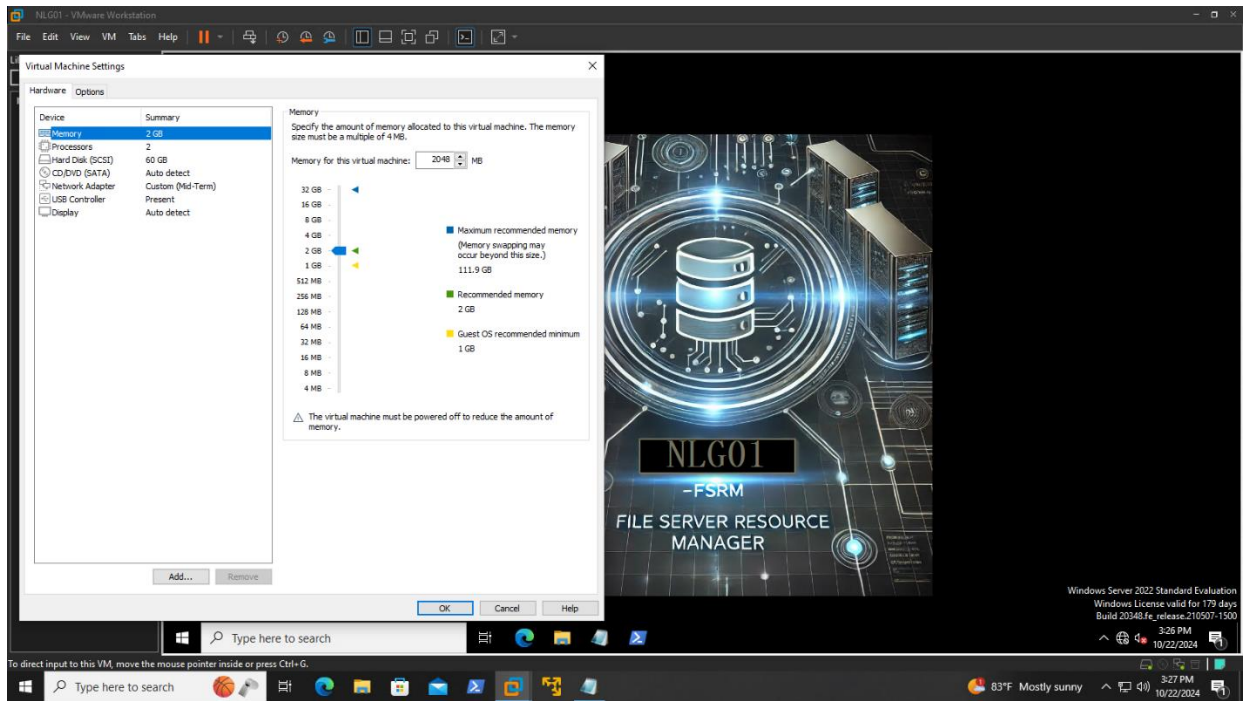


Figure 17:Local Server screen from Server 3

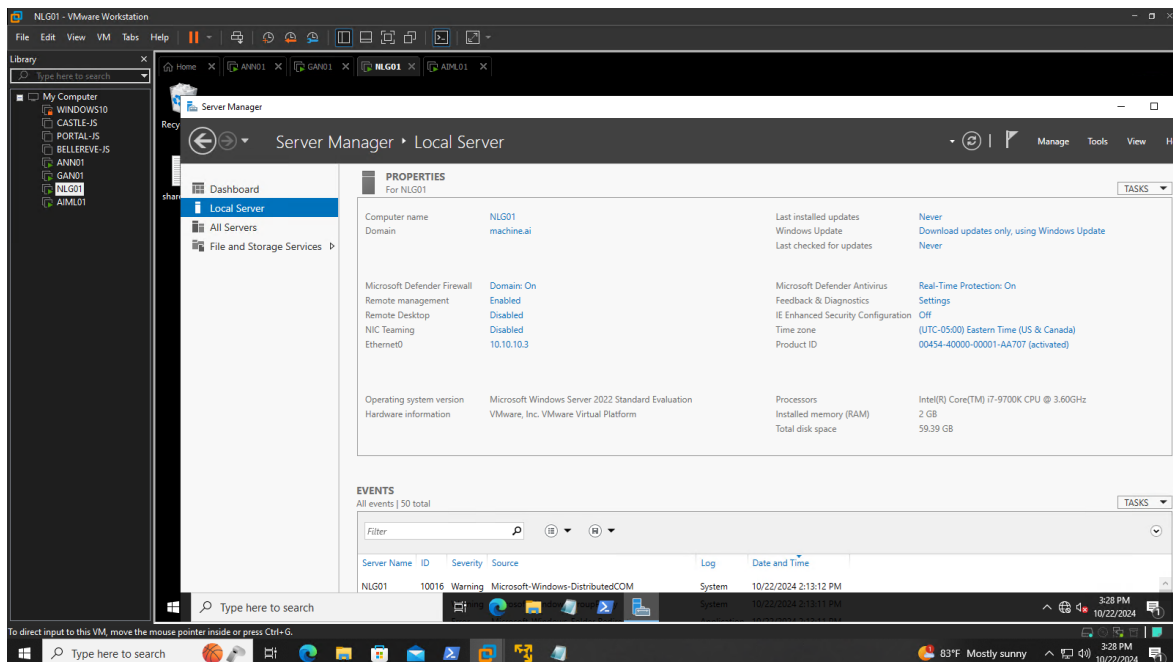


Figure 18: Screenshot of the shared folders on Server 3

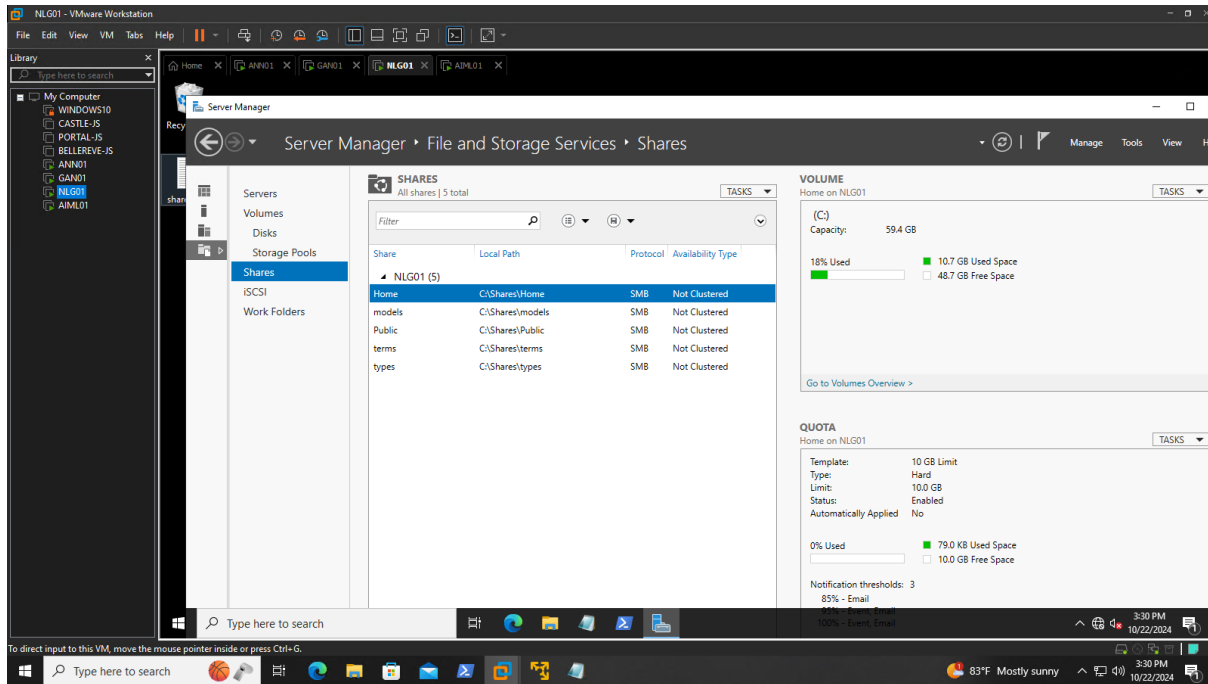


Figure 19: Screenshot(s) showing the folder redirect for the Home folder

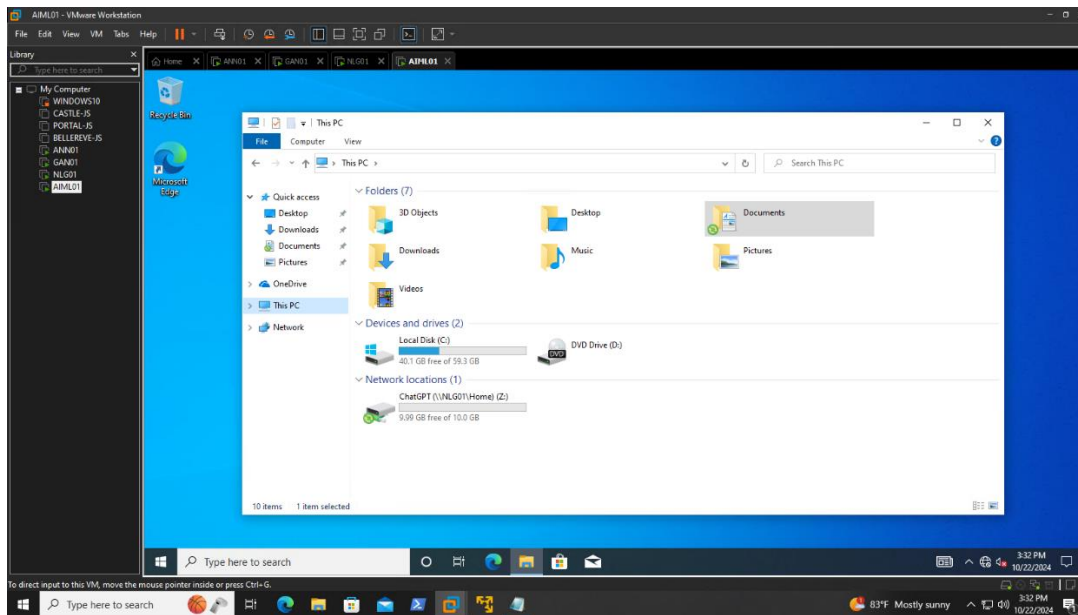


Figure 20: Server 3 Shares `Server Manager`

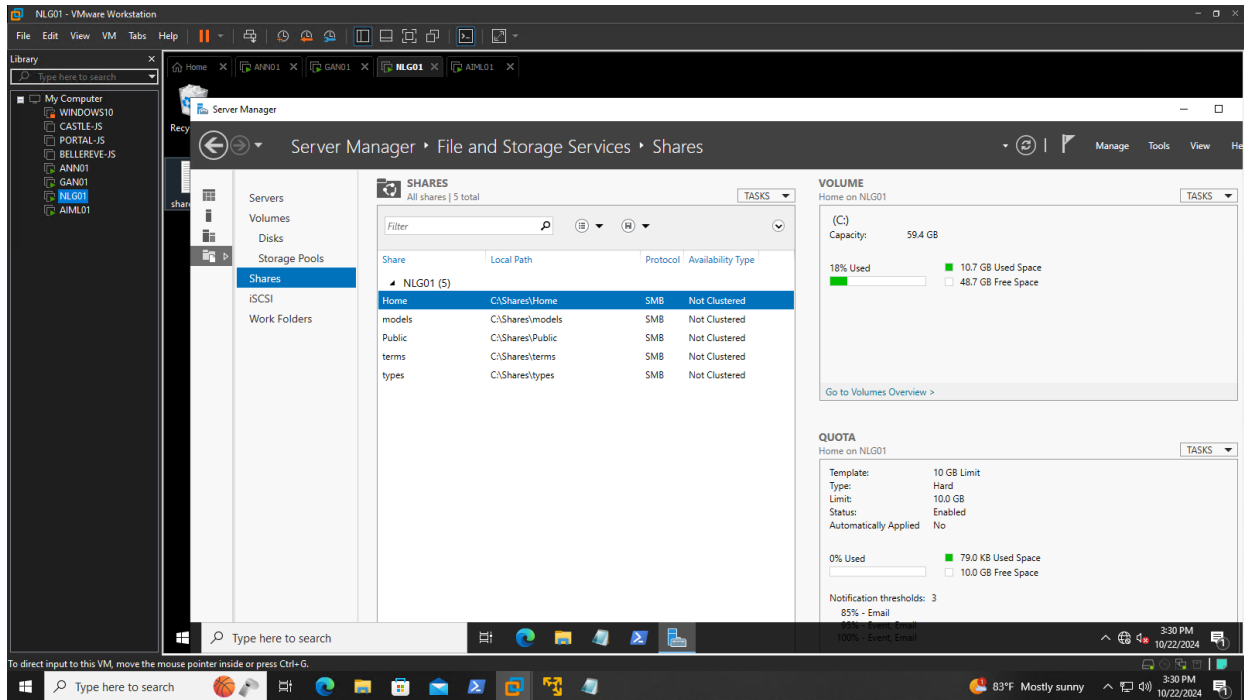


Figure 21: Screenshots of the Local Server screen from Server 3

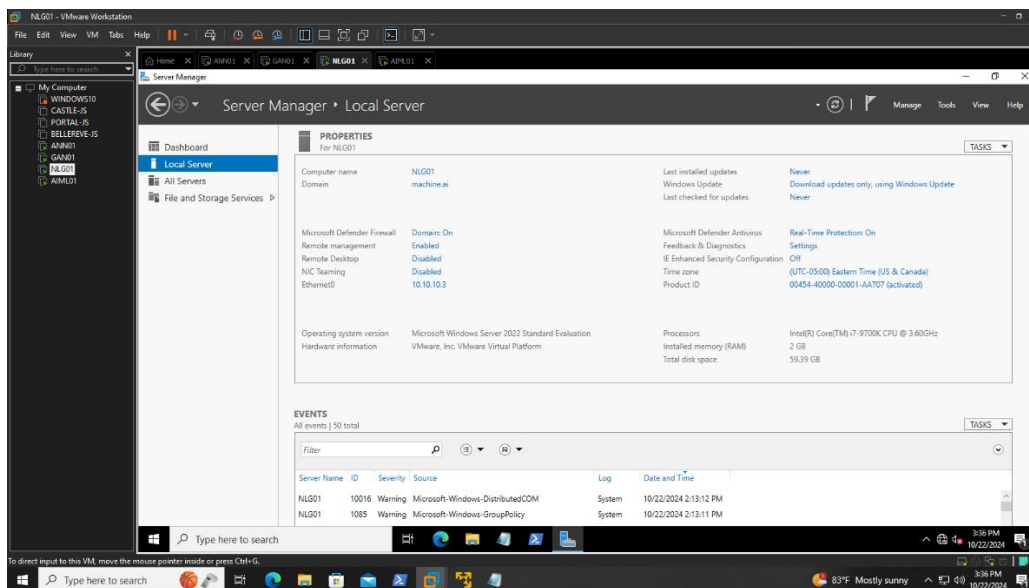
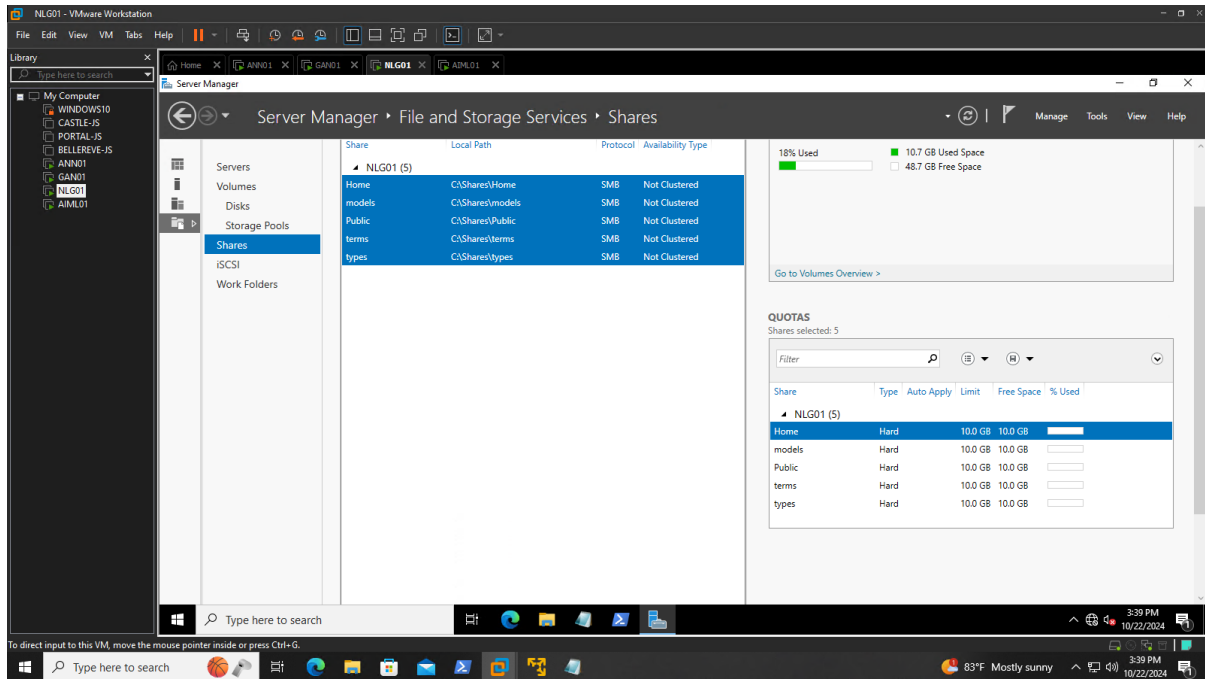
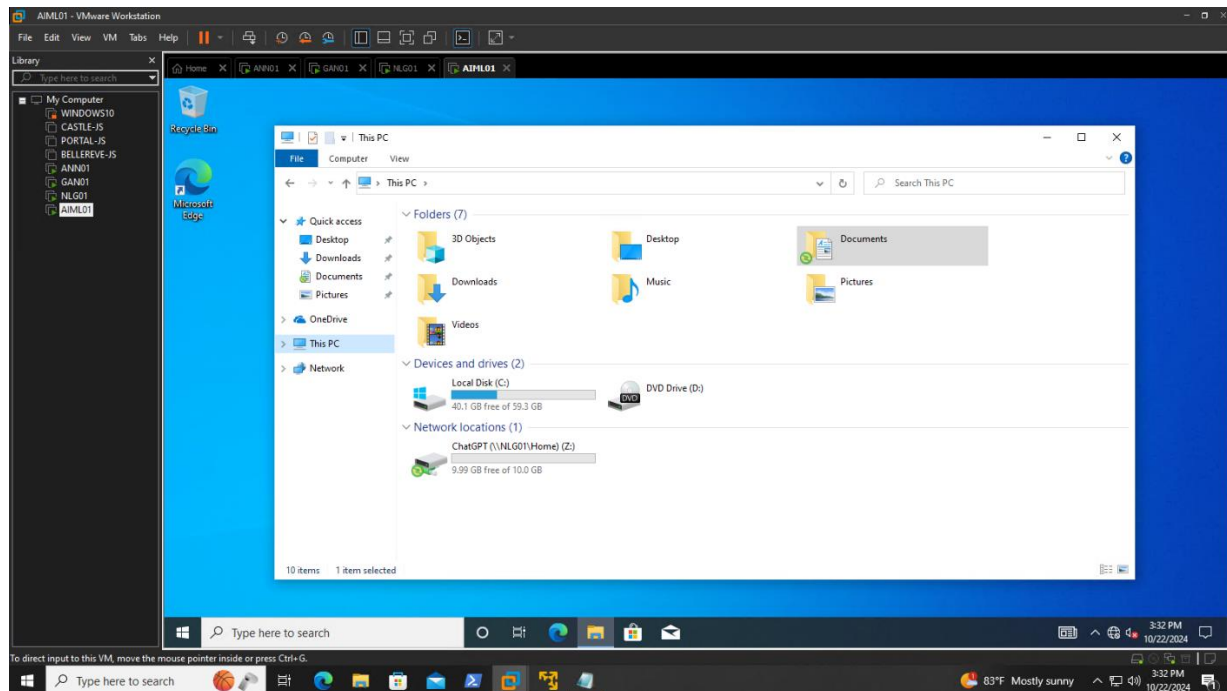


Figure 22: Screenshot showing the Storage Quotas for the Shares



SHARED FOLDER SCREENSHOTS

Figure 23: Shared Folder Redirection



GPO SCREENSHOTS

Missing Documentation