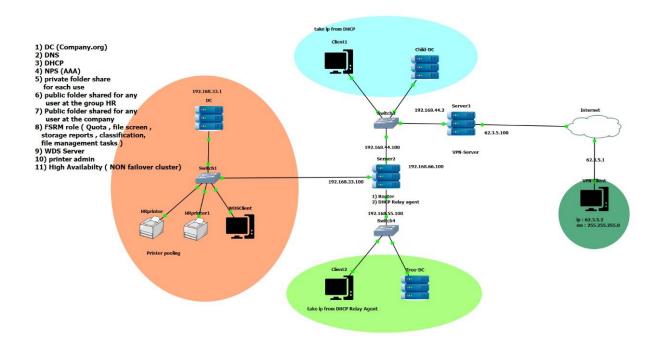
# Windows Server®2016



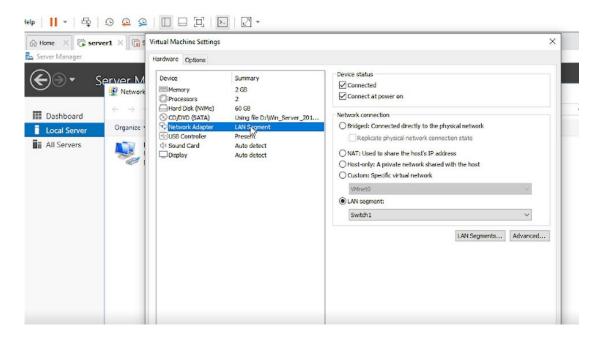
The lab covers most of the topics I studied in the Windows Server course.

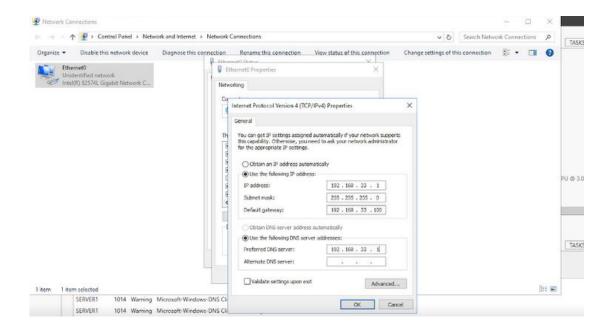
At National Telecommunication Institute (NTI) 4 Months

By: Rawda Gamal Marei

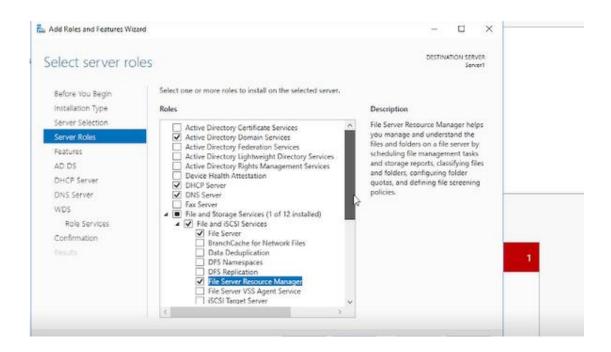
**Guided by Eng. Khaled Yehia Marzok** 

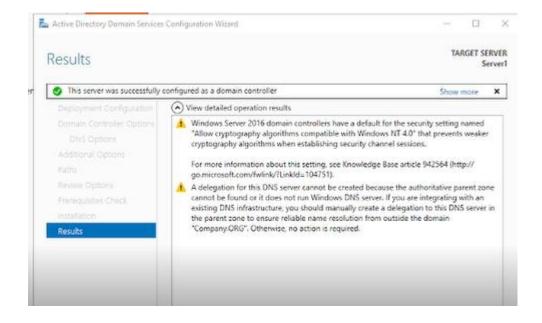
### Server1 (DC)

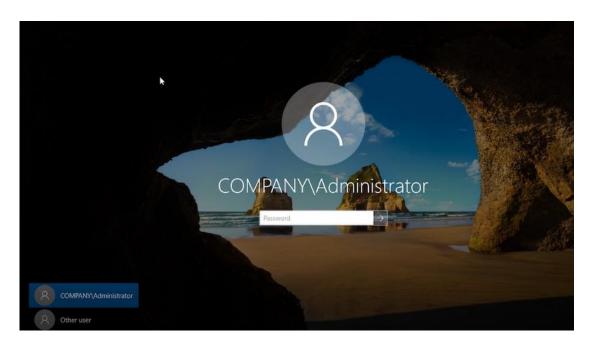




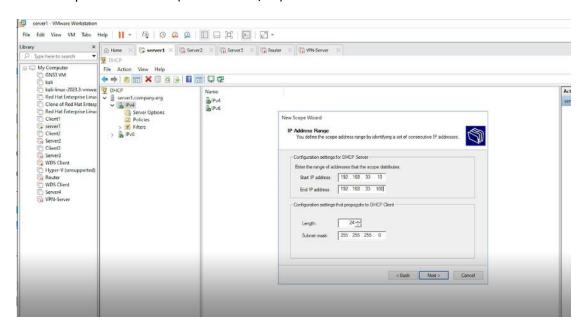
Install (AD DS, DHCP, DNS, FSRM, NPS, WDS)



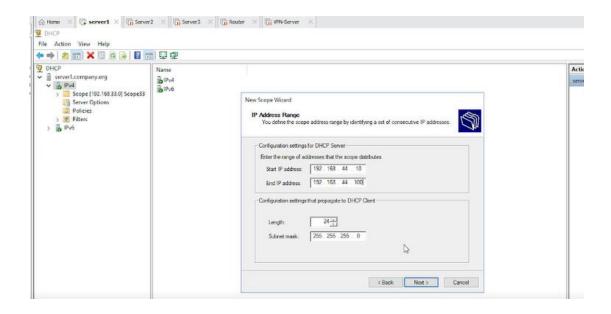




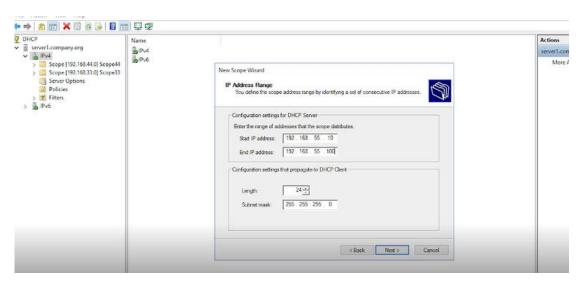
DHCP Scope1 for Network (192.168.33.0/24)

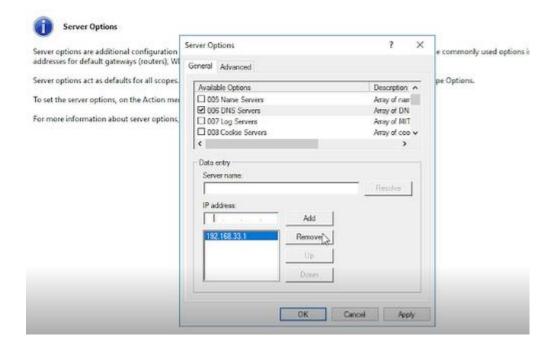


DHCP Scope2 for Network (192.168.44.0/24)

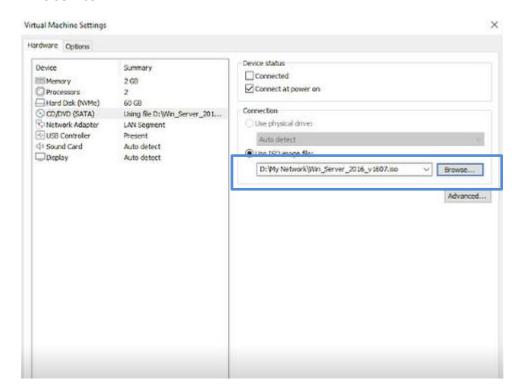


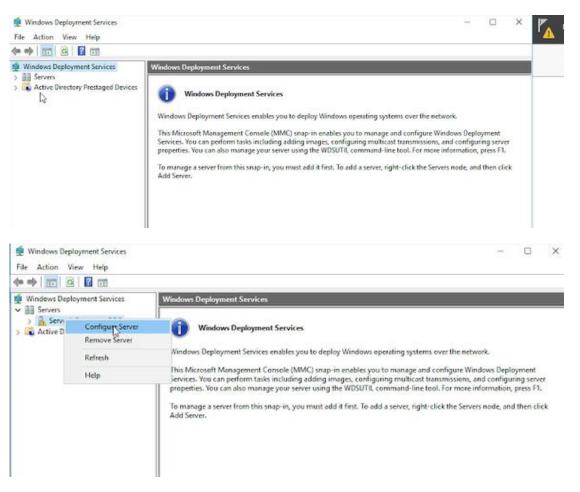
# DHCP Scope3 for Network (192.168.55.0/24)



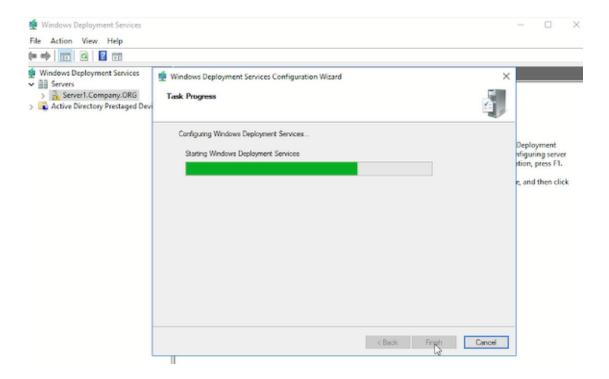


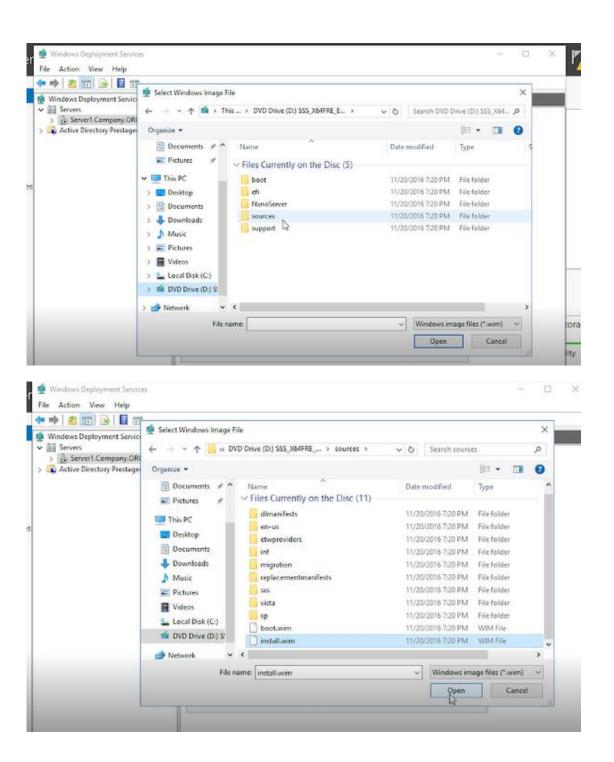
### **WDS Service**

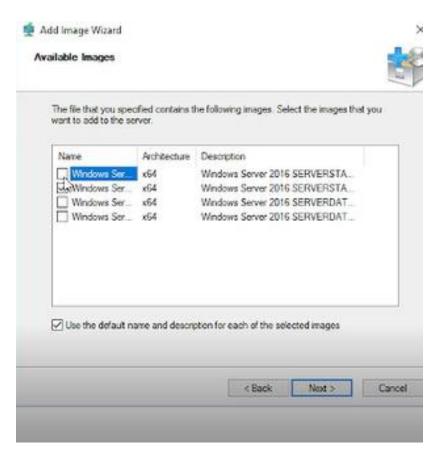


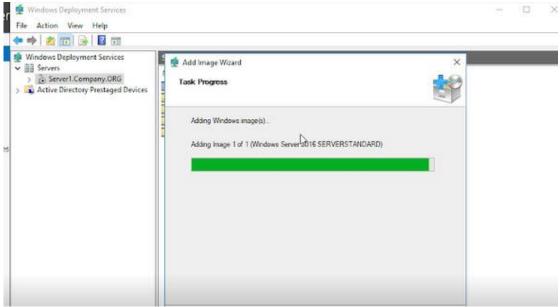


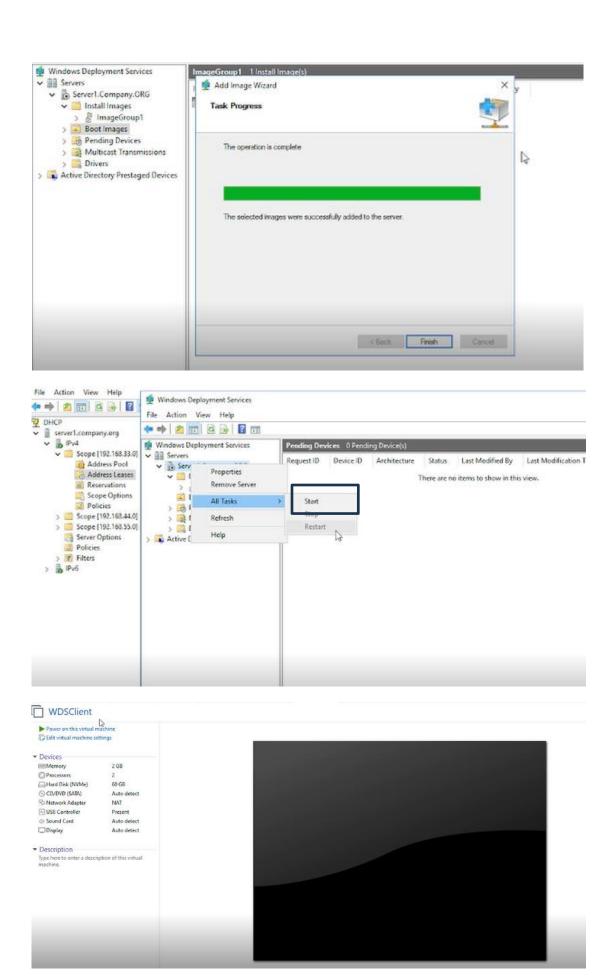
# Next → Next → finish

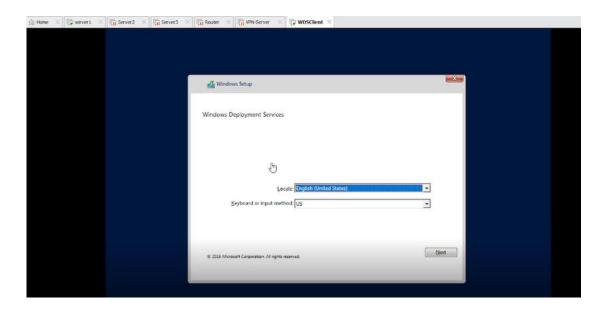




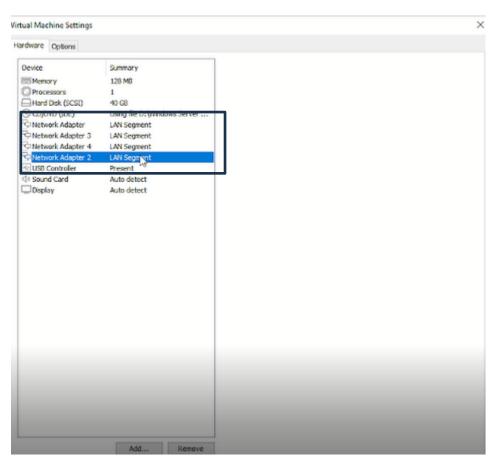


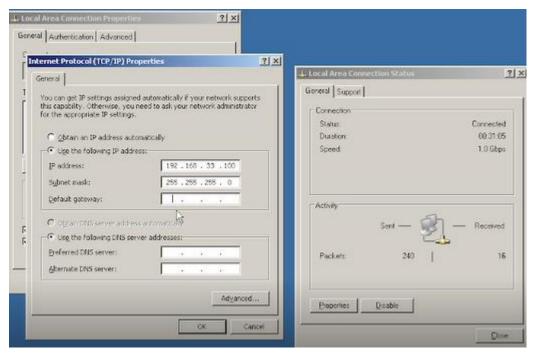


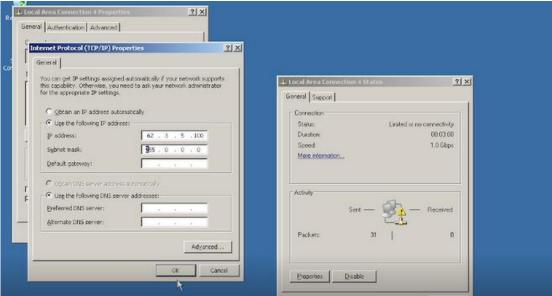




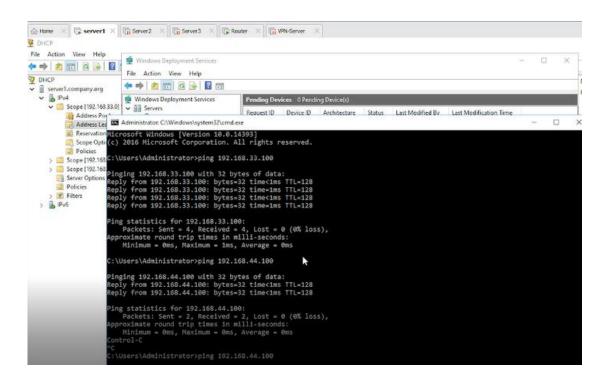
# Router(Server) (create LAN segmant SW1, SW2, SW3)



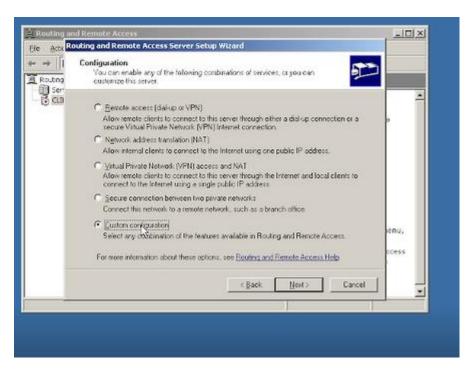


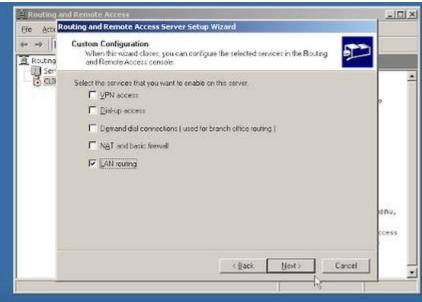


Server 1 can ping on Router

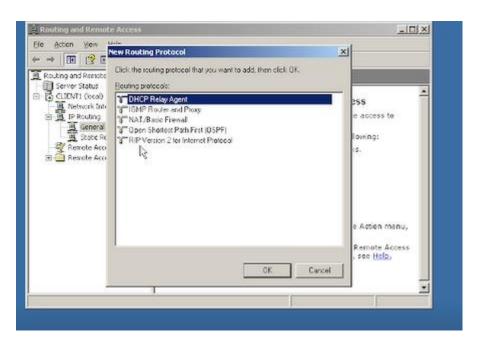


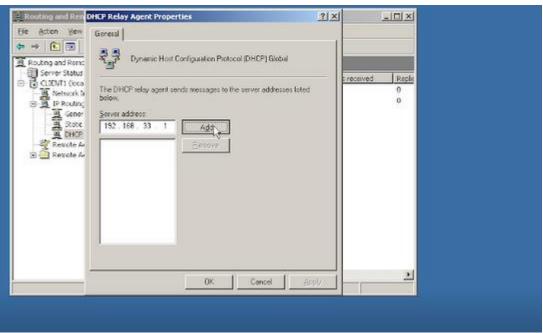


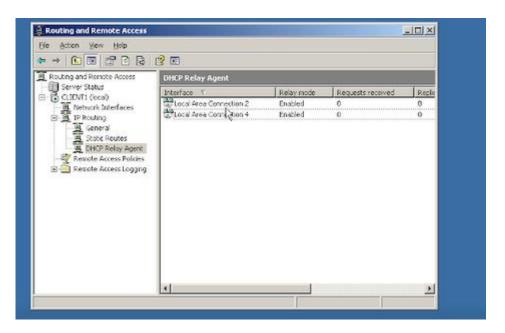




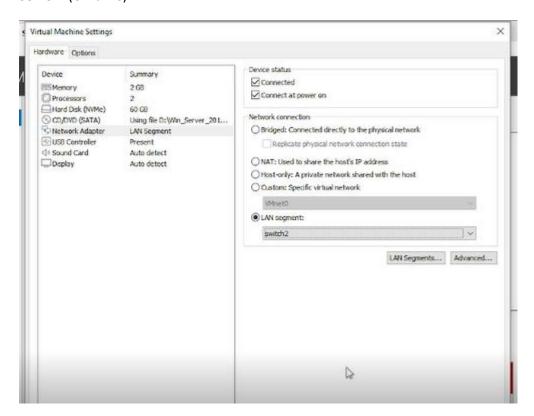
**DHCP Relay Agent** 

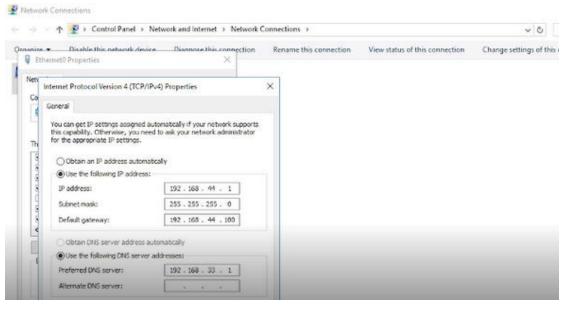


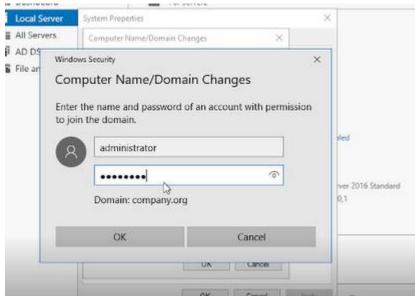


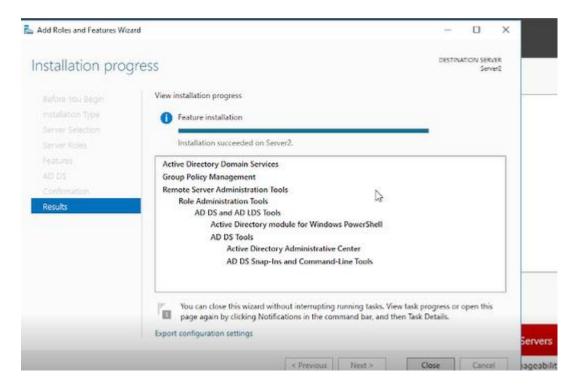


# Server2 (Child DC)

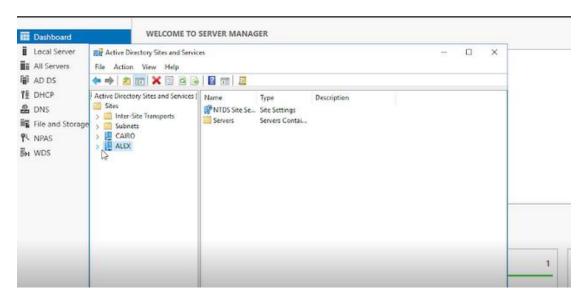


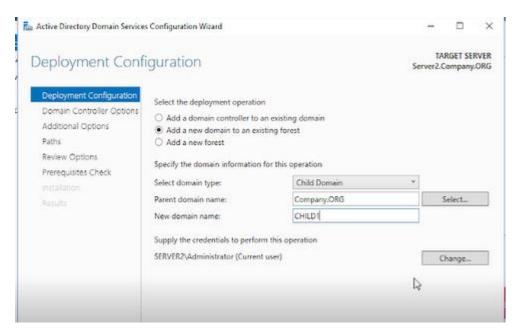


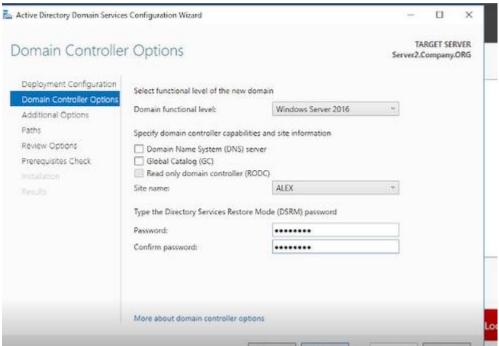


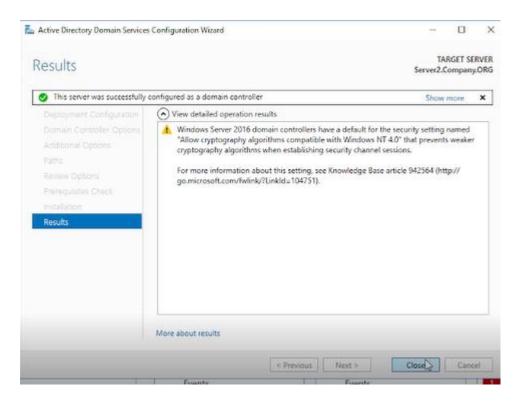


# Create new site on DC Server ( ALEX Site)

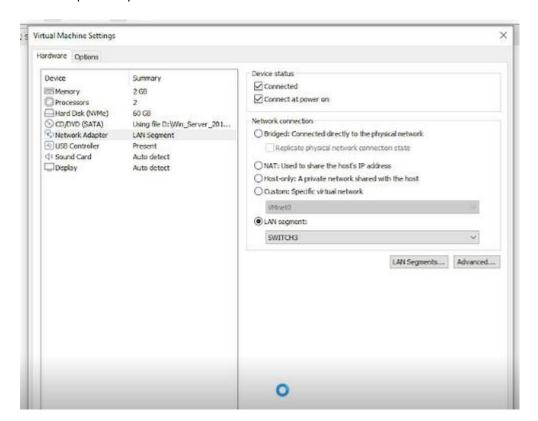


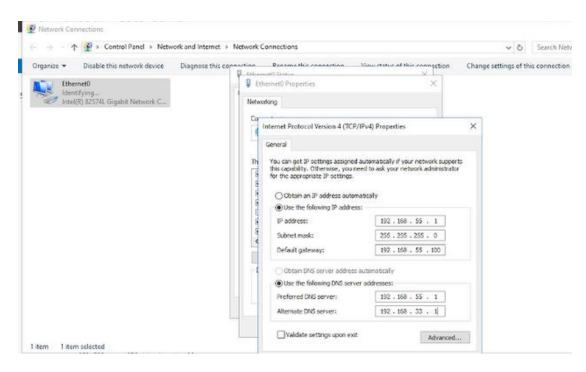




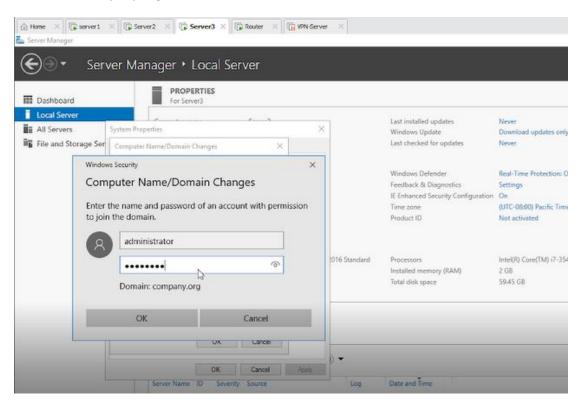


# Server 3 (Tree DC)

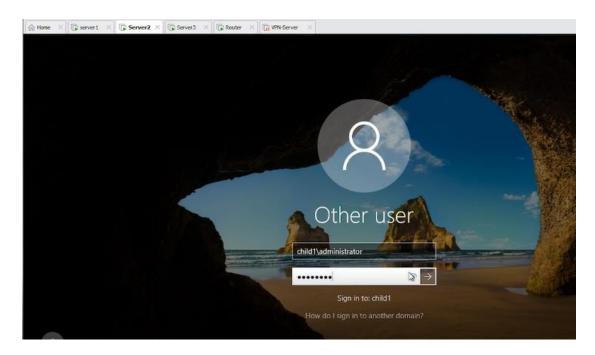




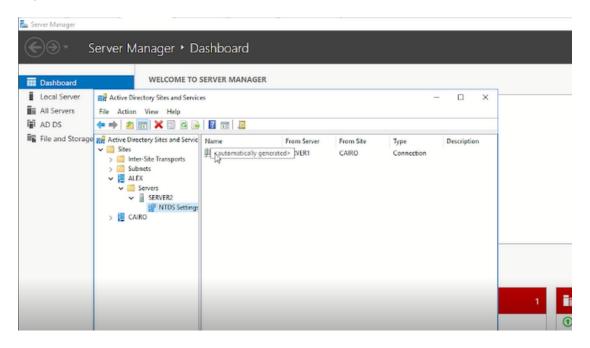
# Join To DC (company.org)



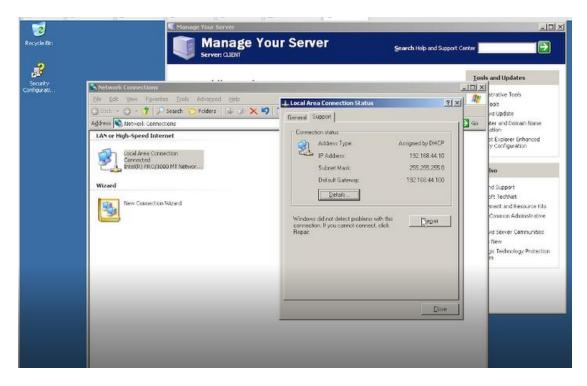
Child DC



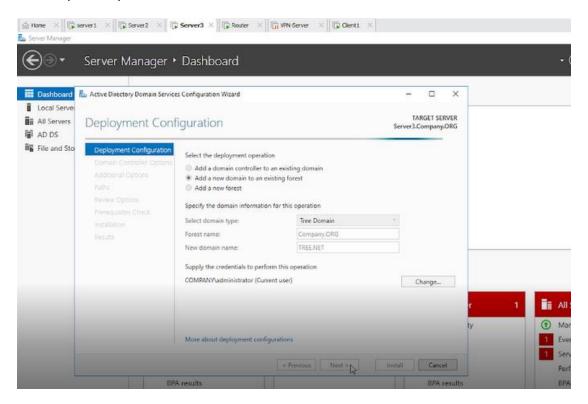
# Replication Between Site Cairo & ALEX



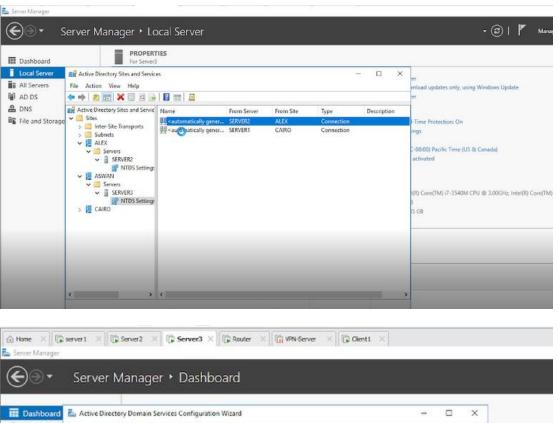
Client1 Can Take IP address from DHCP

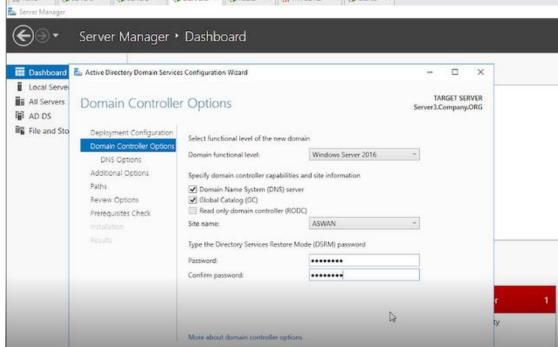


### Server3 (Tree DC)

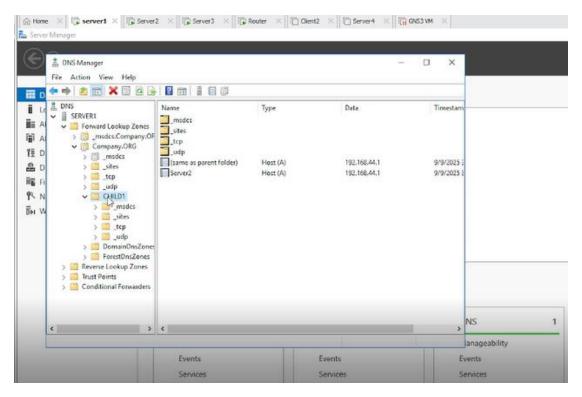


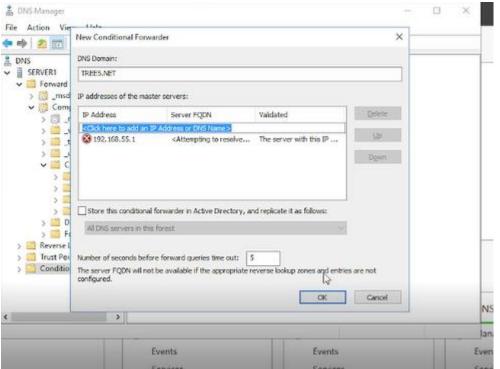
New Site (ASWAN Site ) & Replicate between sites

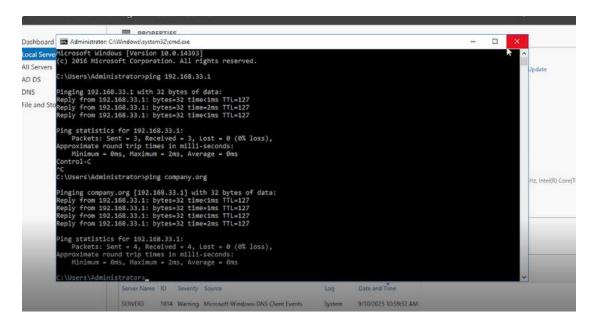




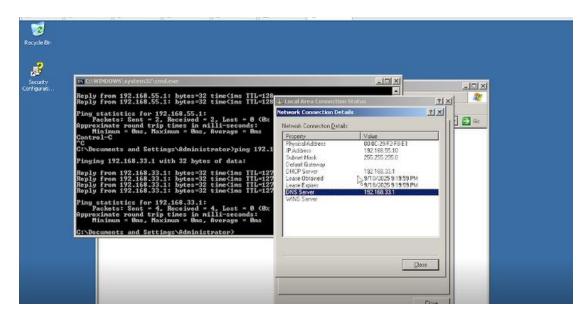
DNS





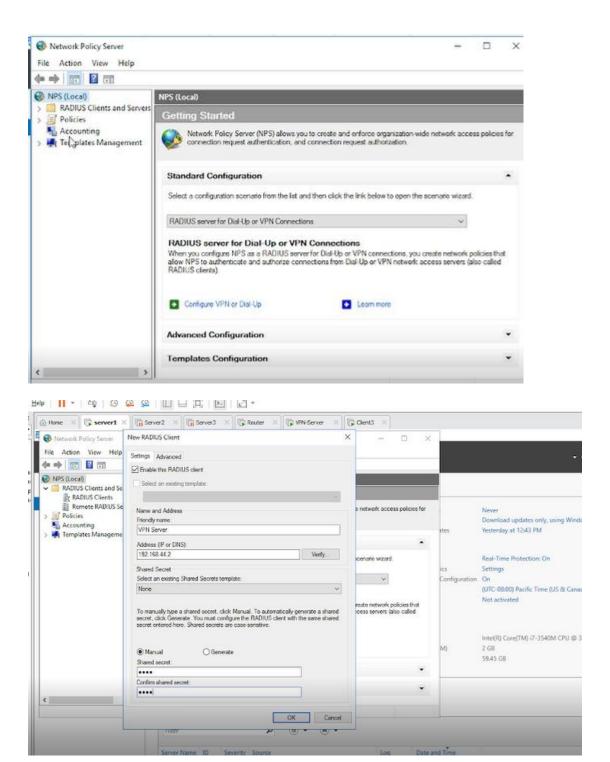


Client 3 can Take IP address From DHCP Relay Agent

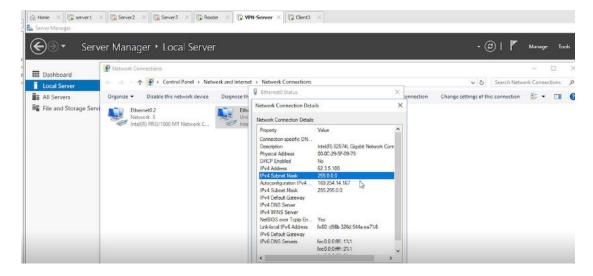


**VPN** Service

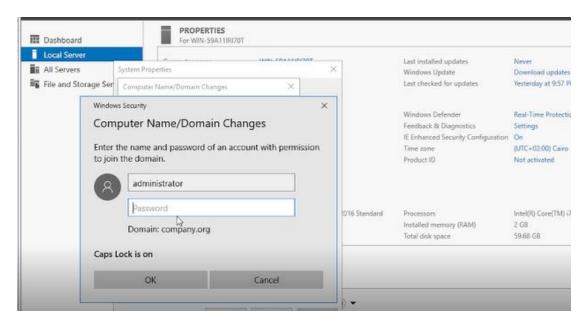
NPS Service on Server1



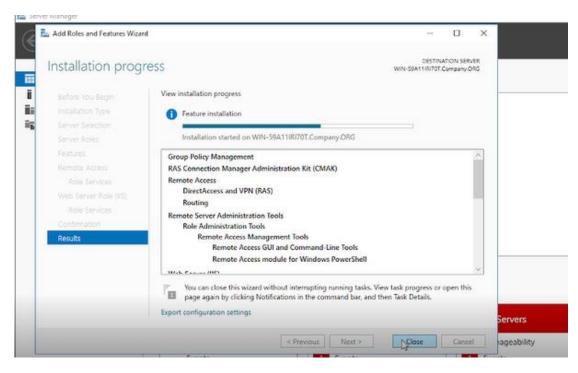
**VPN** server

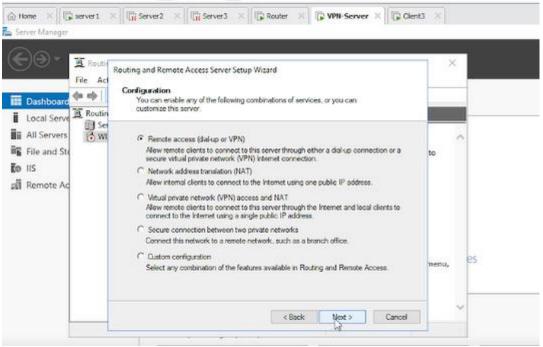


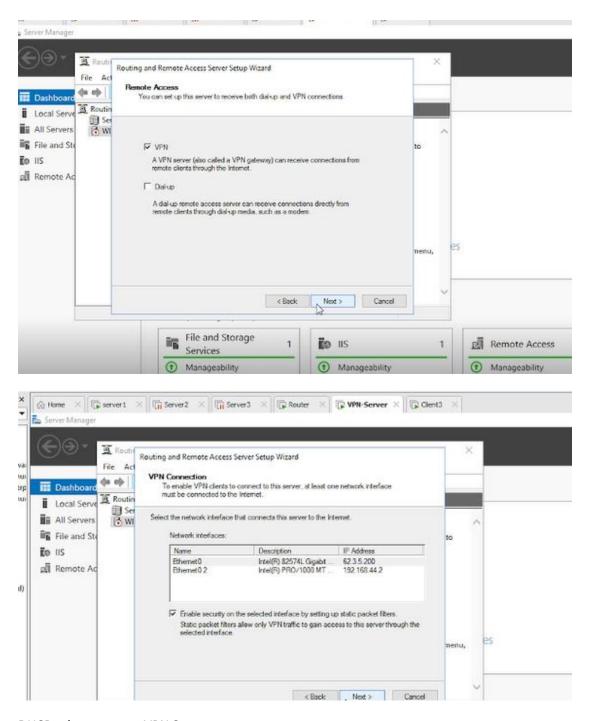
# Join To DC (Company.org)



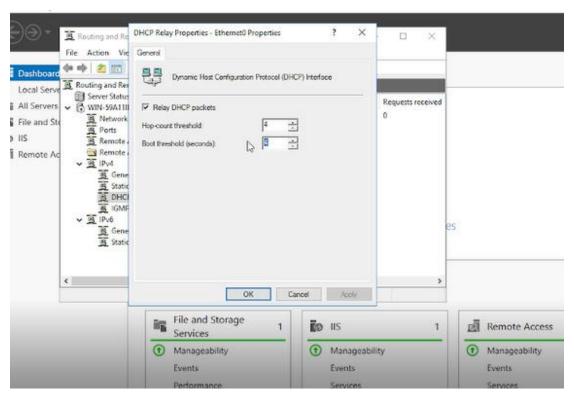
Add remote Access Role

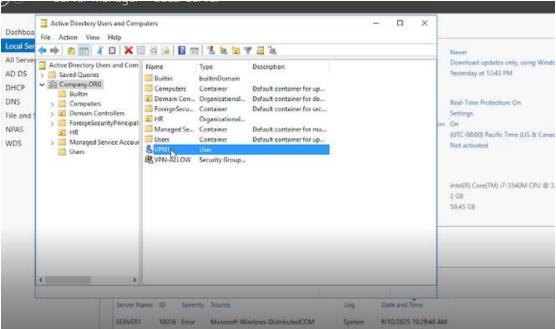


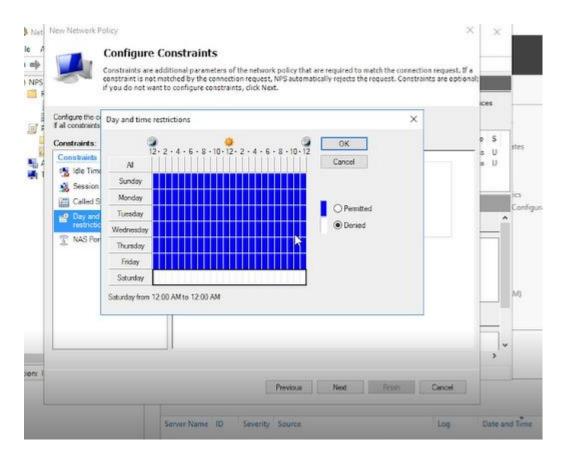




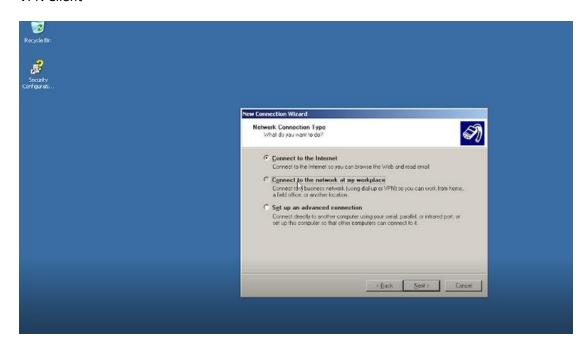
DHCP relay agent on VPN Server

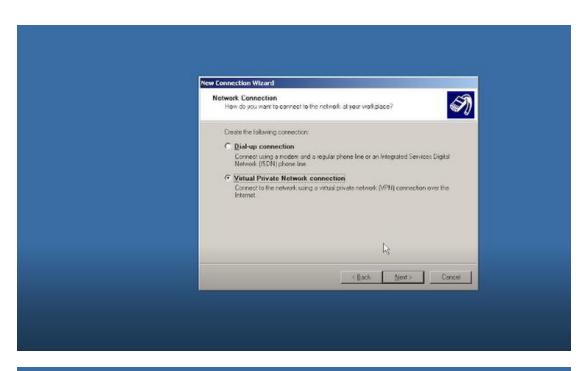




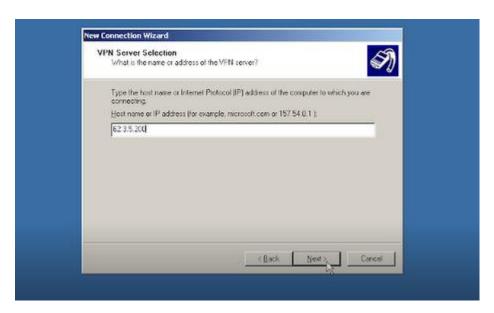


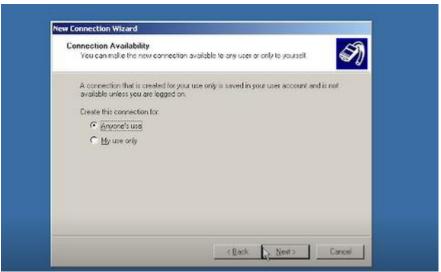
# **VPN** Client

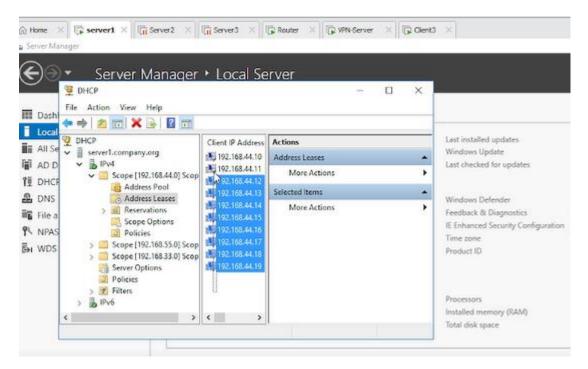


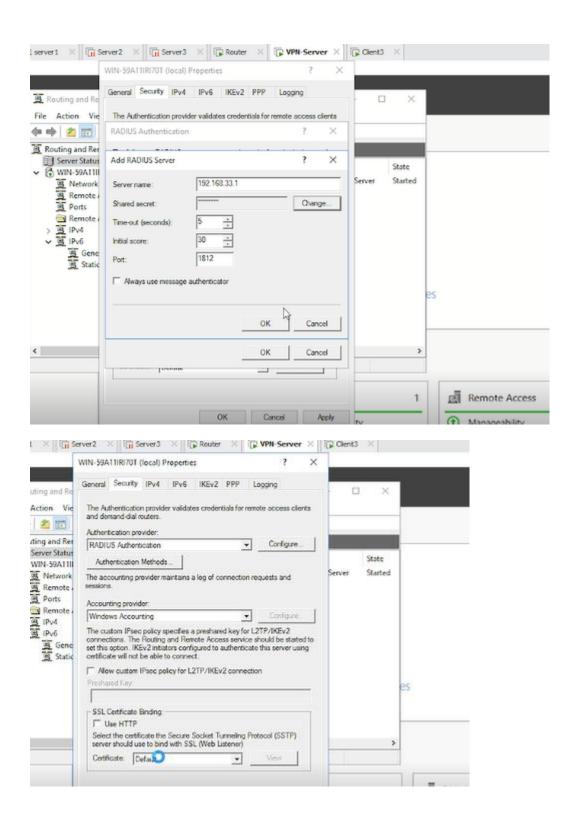


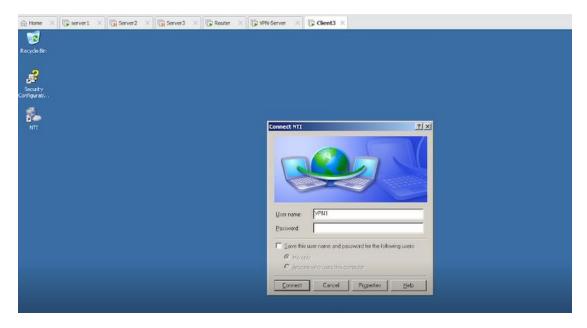




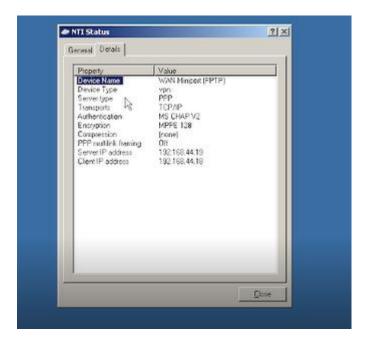




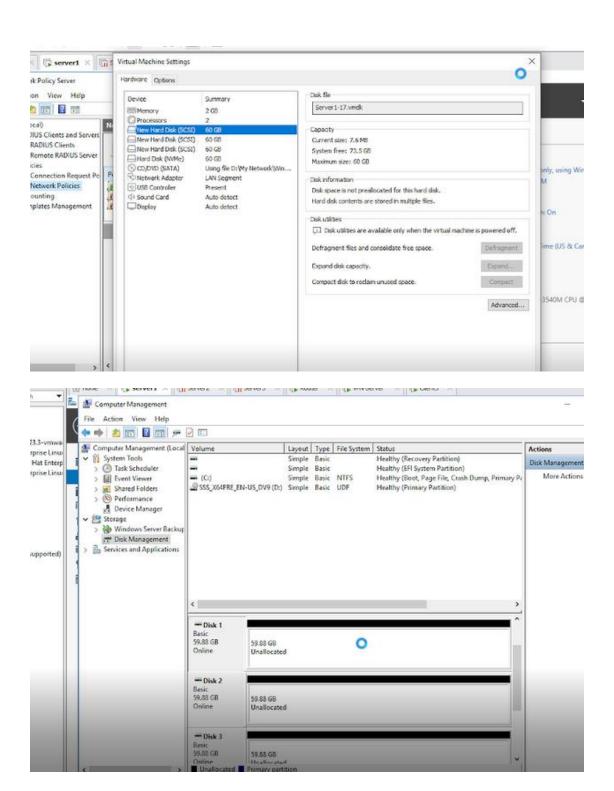


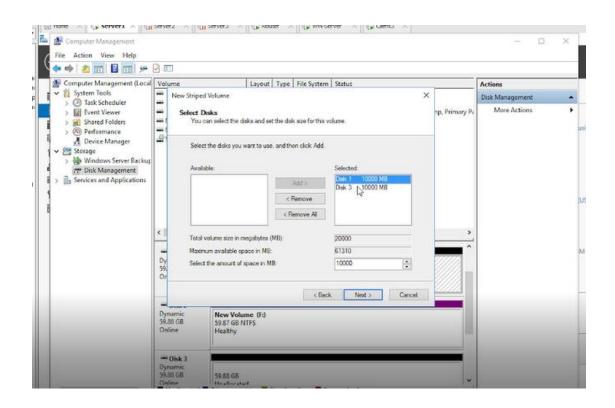


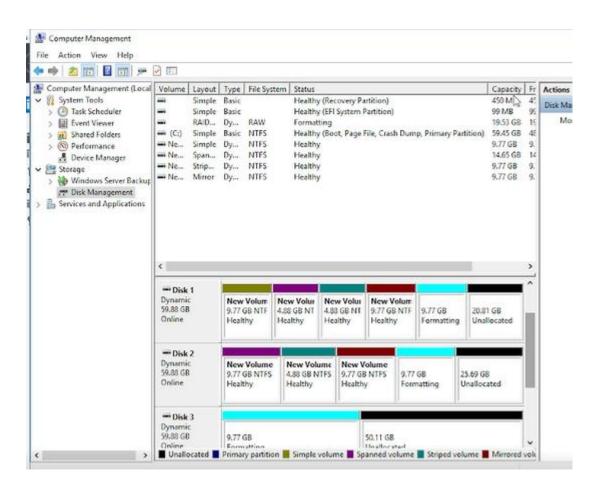


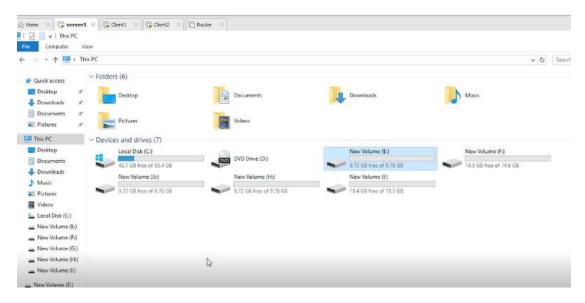


On server1 Create 3 New Hard Disk

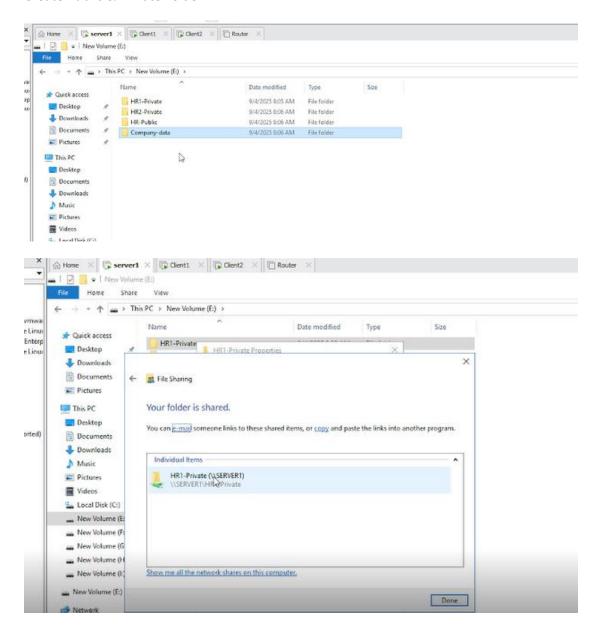


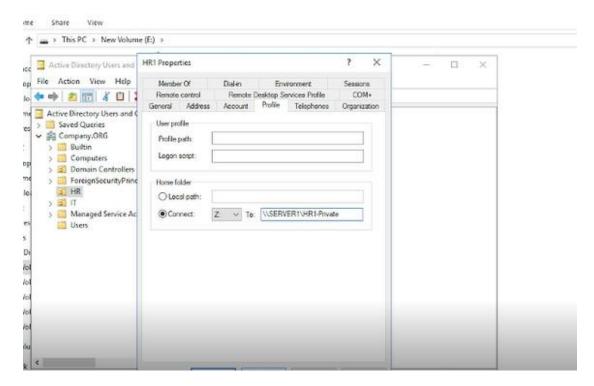




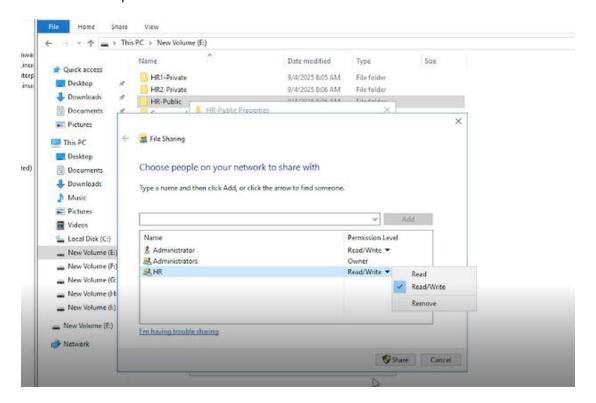


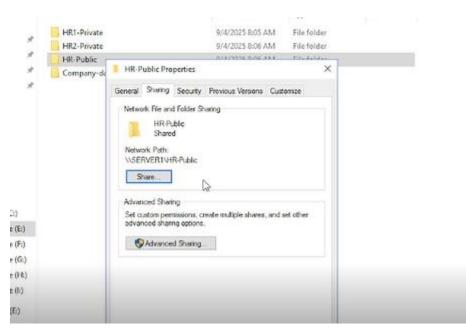
## Create Public & Private Folder

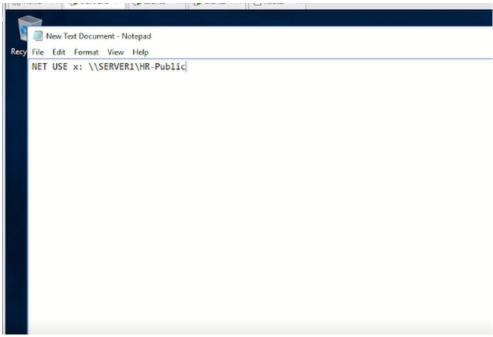


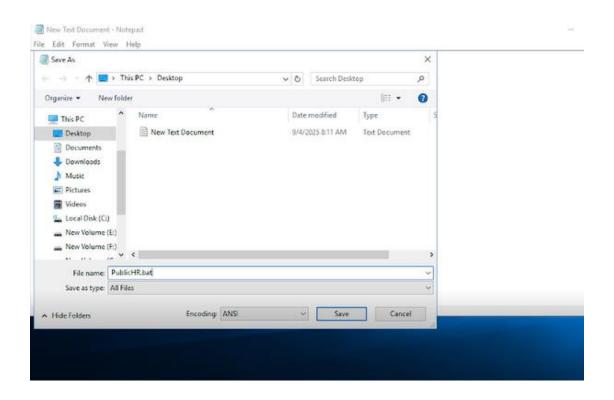


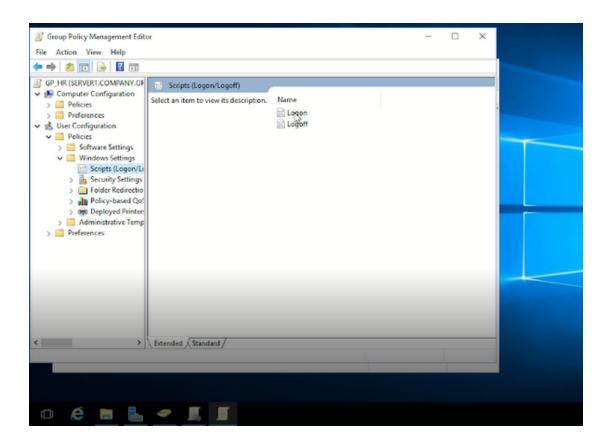
## Share Folder HR-public For HR

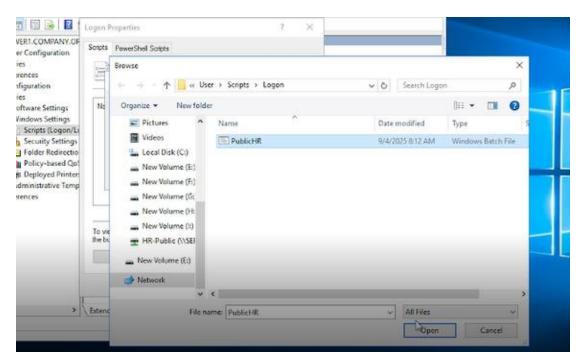


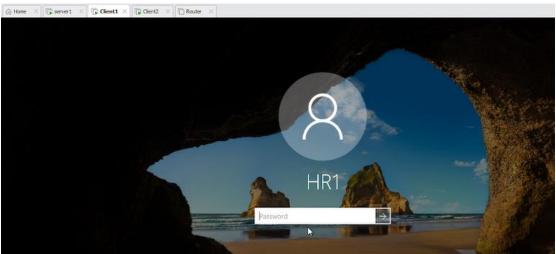


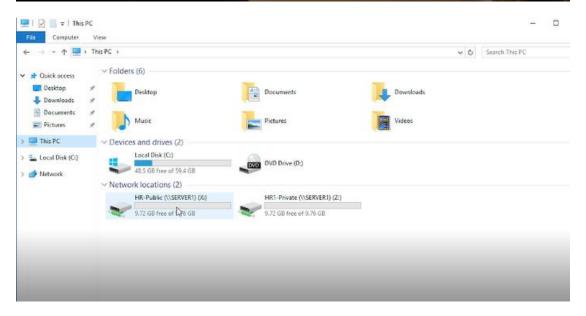


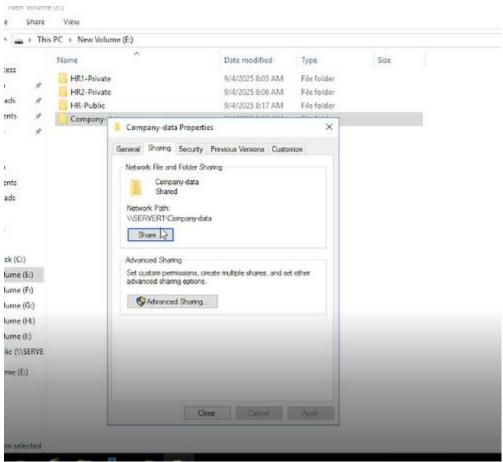


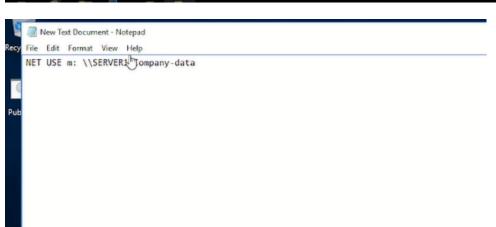


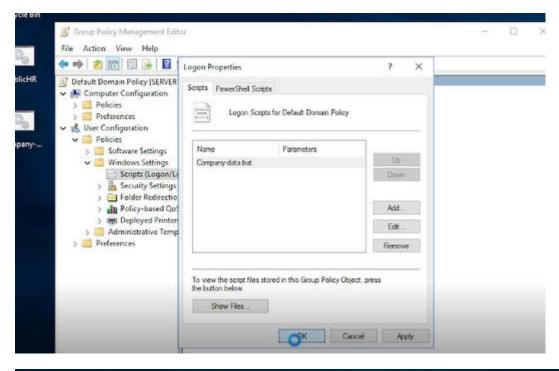


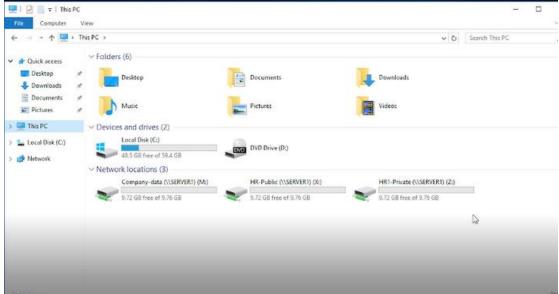




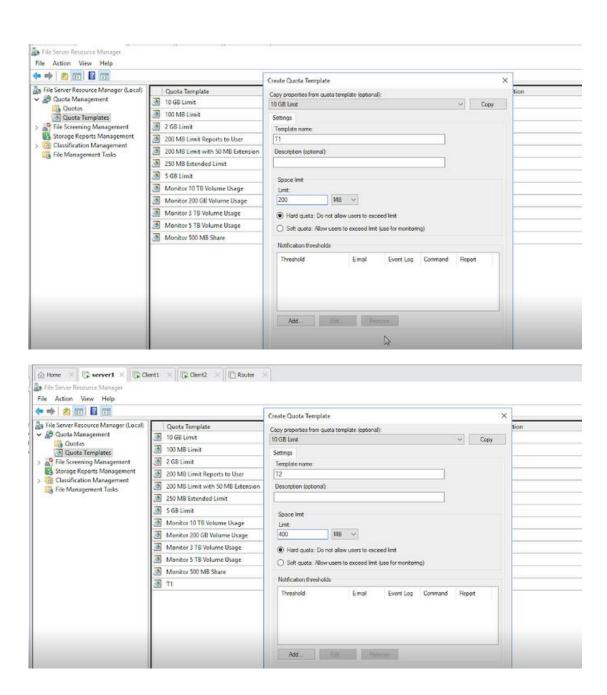


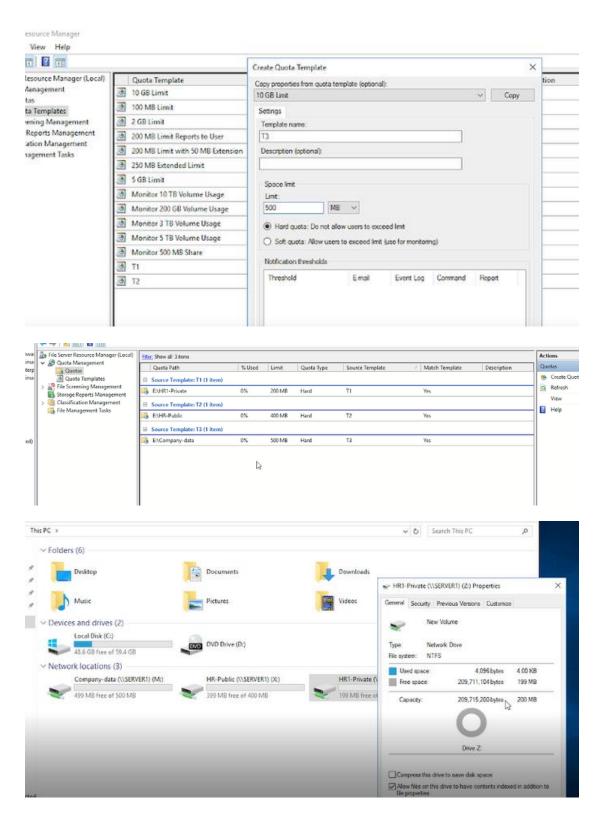




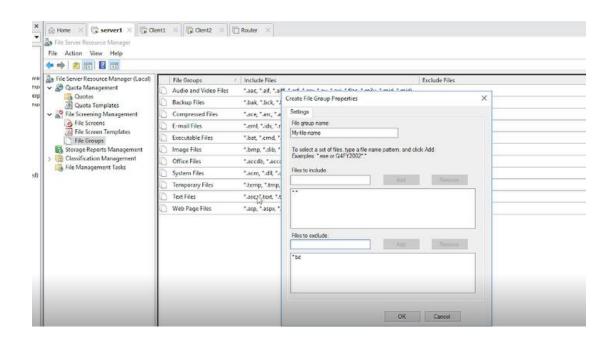


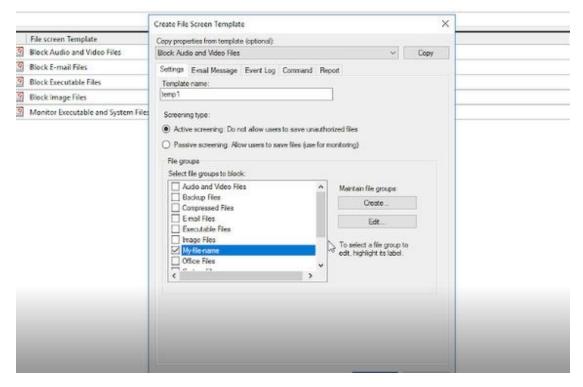
**FSRM Role** 

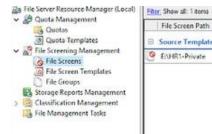




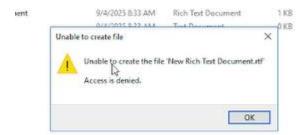
File Screening



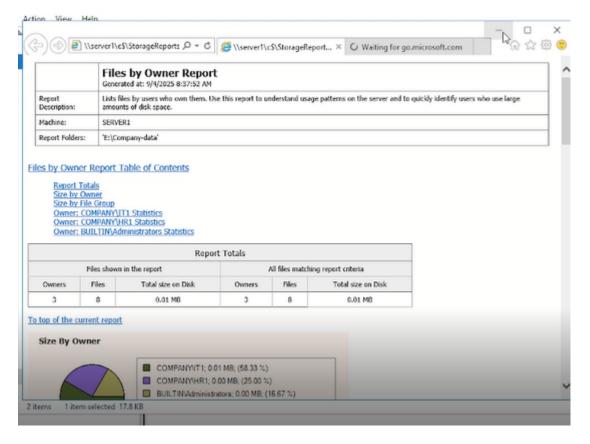








## Report



Printer

