

Network Operating Systems and Services



Configure and manage the Virtualised Enterprise Network

Module code: ACCA5023

Assignment Title:

Configure and manage the Virtualised Enterprise network

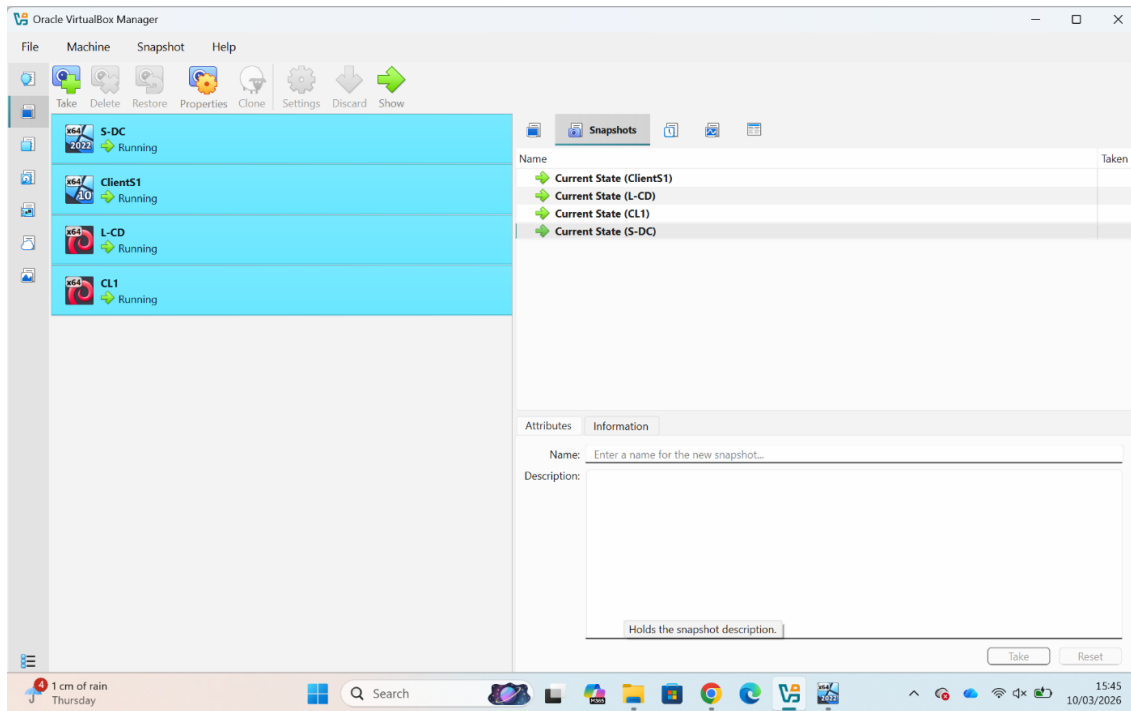
Table of Contents

Domain Server S-DC.....	3
Domain Membership CS1, L-CD, CL1.....	4
Routing	5
Users.....	6
Encrypted connection between S-dc and L-cd	8
DHCP Server	9
Test and Troubleshoot.....	10
Disk Drive	11
IIS Server	13
Remote Desktop Services.....	15
Conclusion.....	18

Coursework 2:

Continuing my work with this Topology

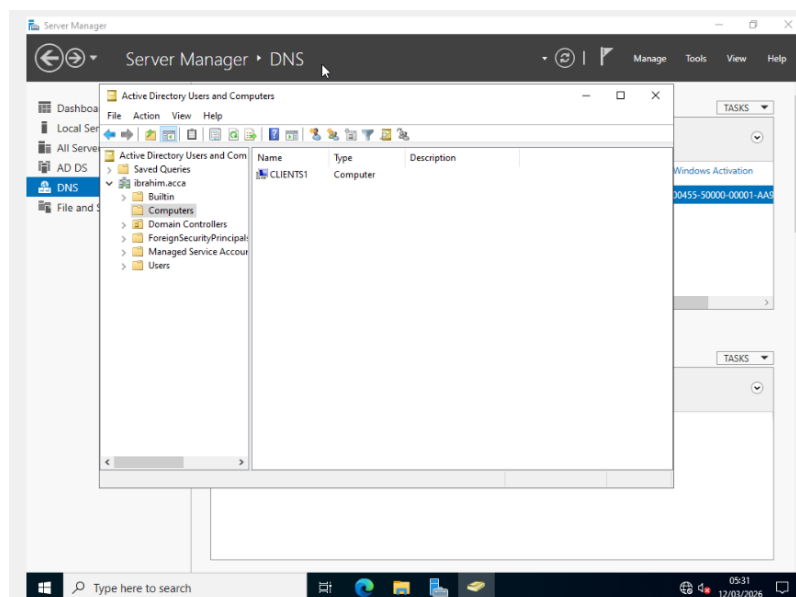
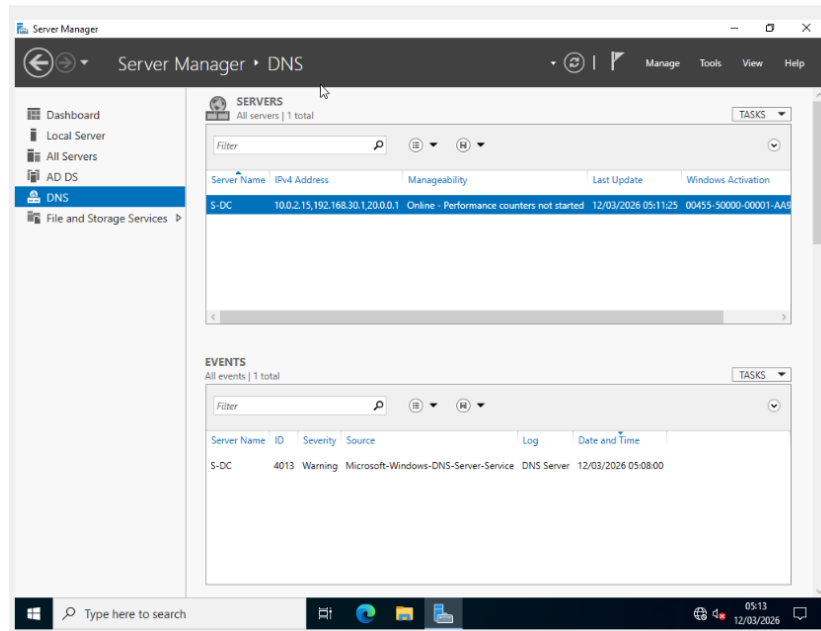
Figure 1 My Topology screenshot

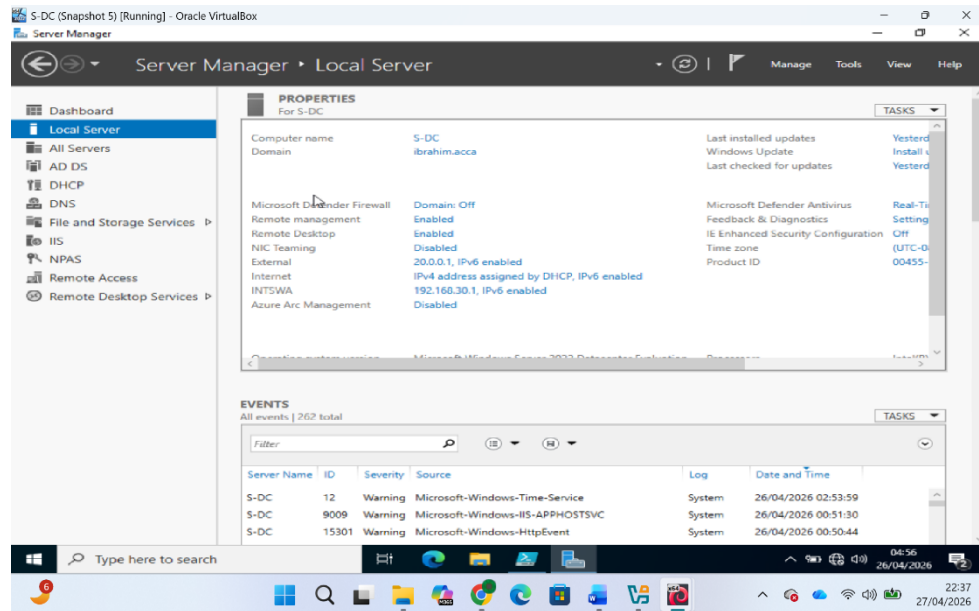


Domain Server S-DC

Figure 2 Server Manager DNS

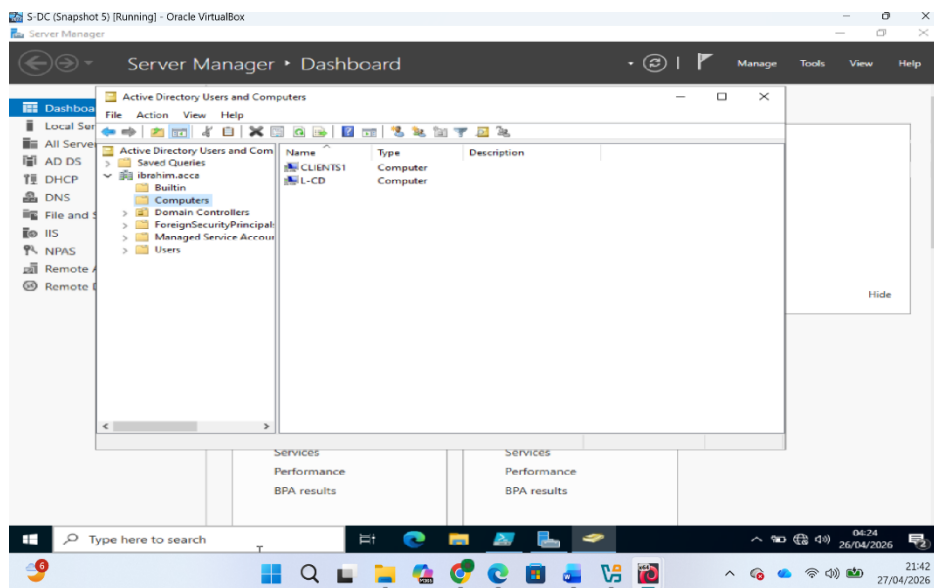
Managing DNS through Server Manager in a domain environment, configuring DNS on a Windows Domain Server using Server Manager and DNS administration in Windows Server Domain Services





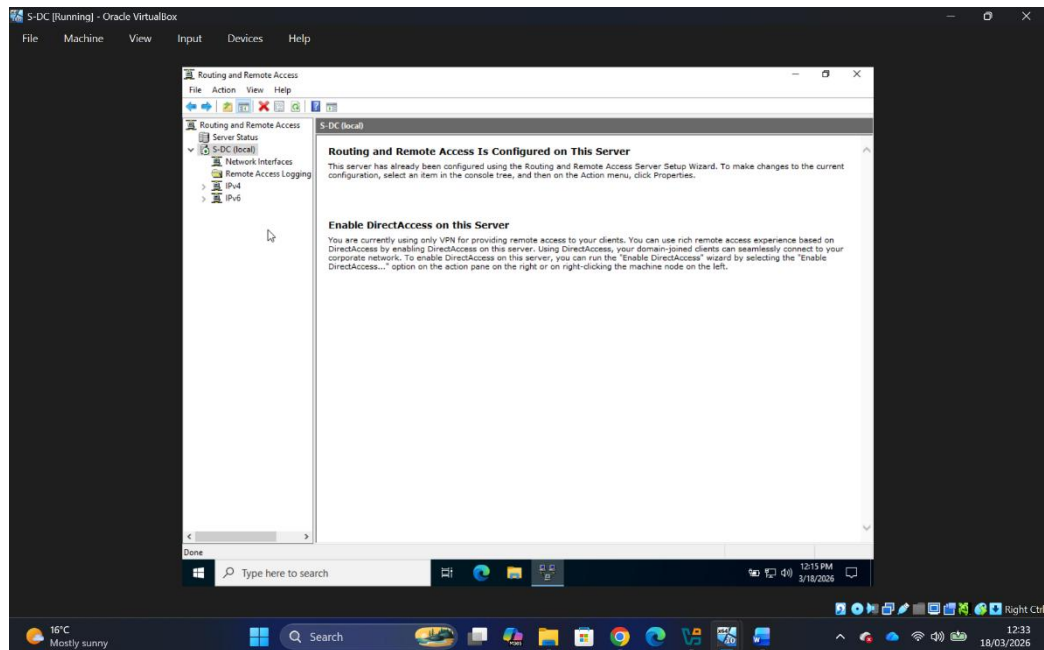
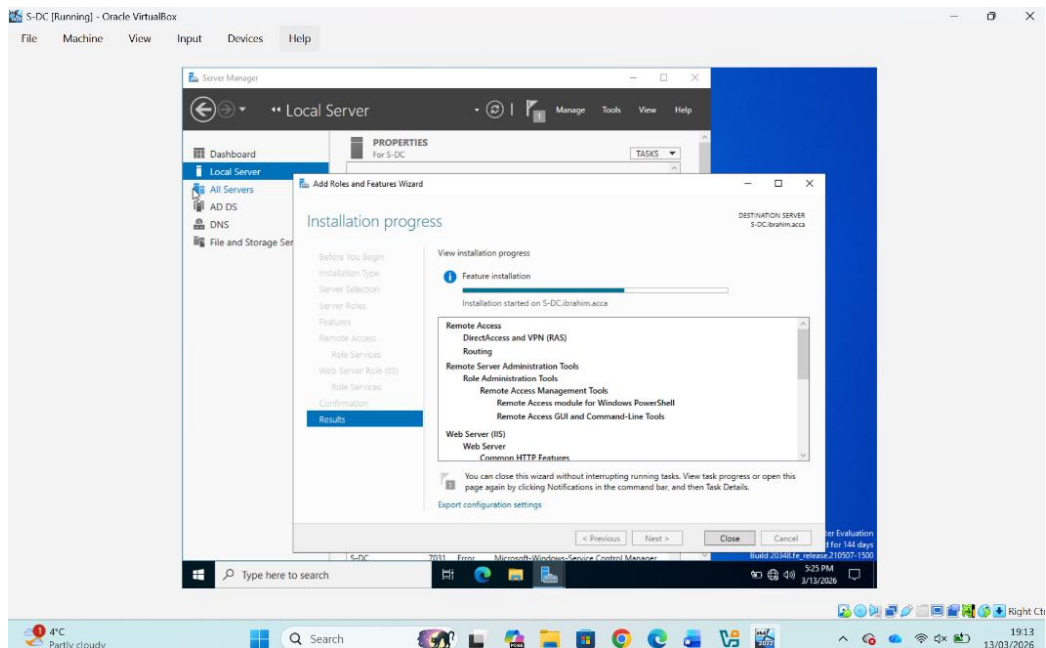
Domain Membership CS1, L-CD, CL1

Clients joined the domain server and verified for centralized login and access.



Routing

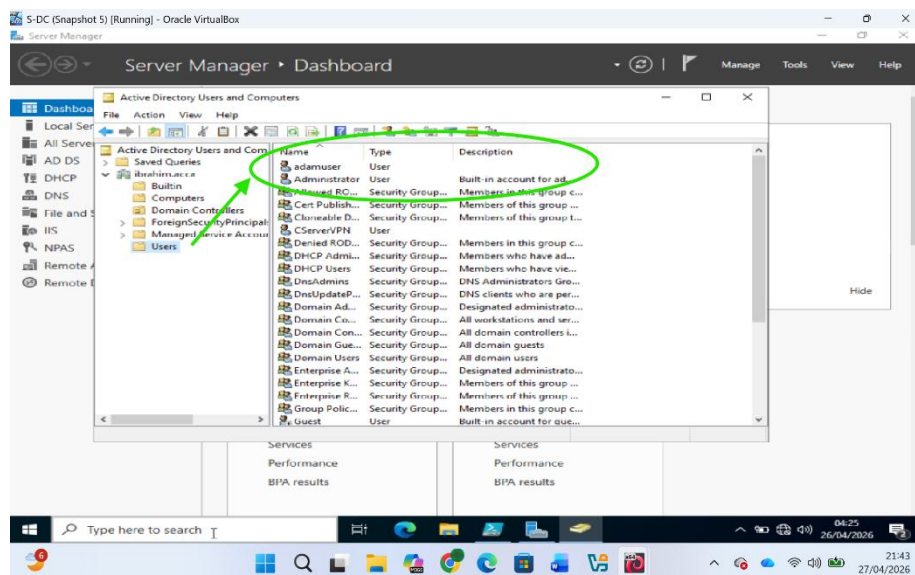
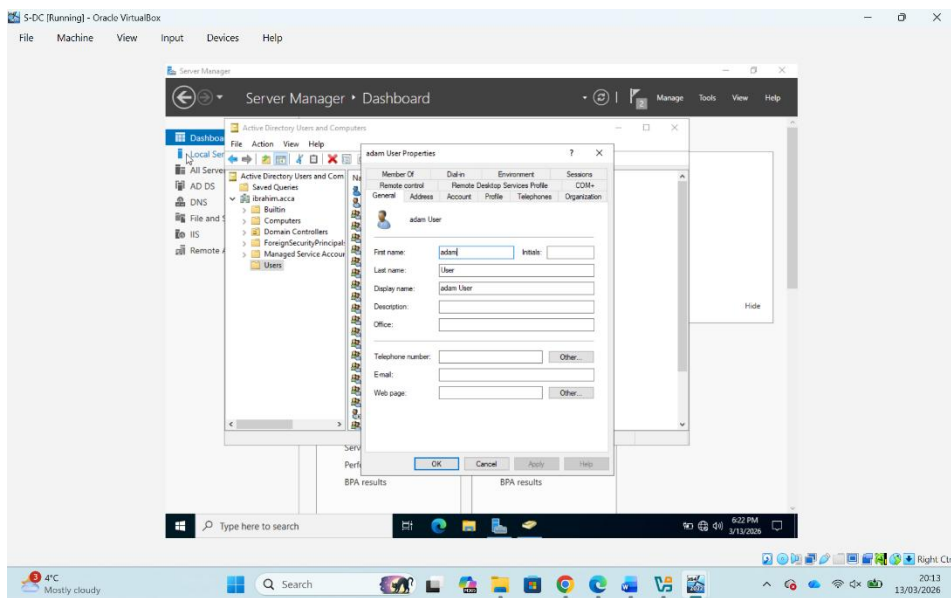
Routes set up to allow communication between network segments.

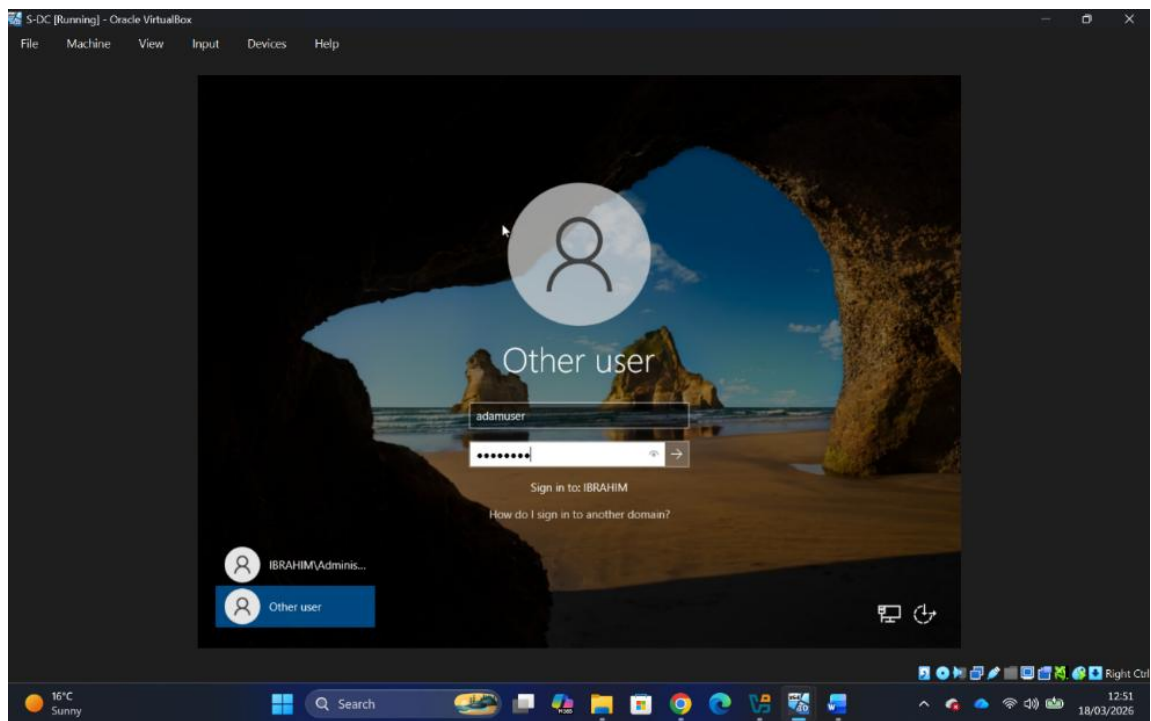
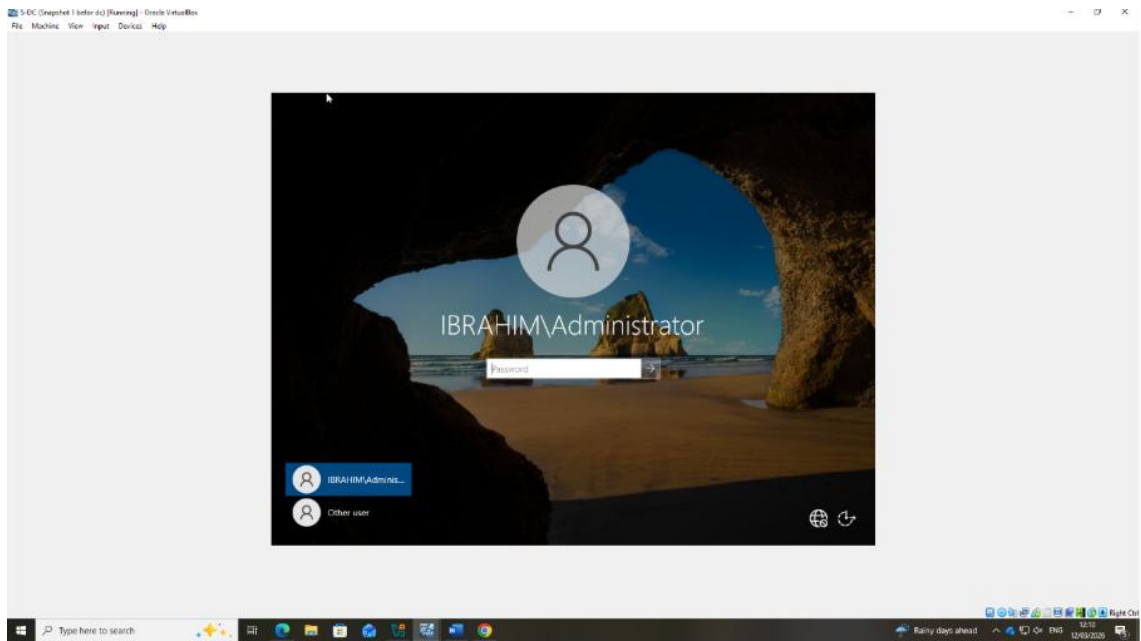


Users

The user account created and provided access to system resources with proper permissions.

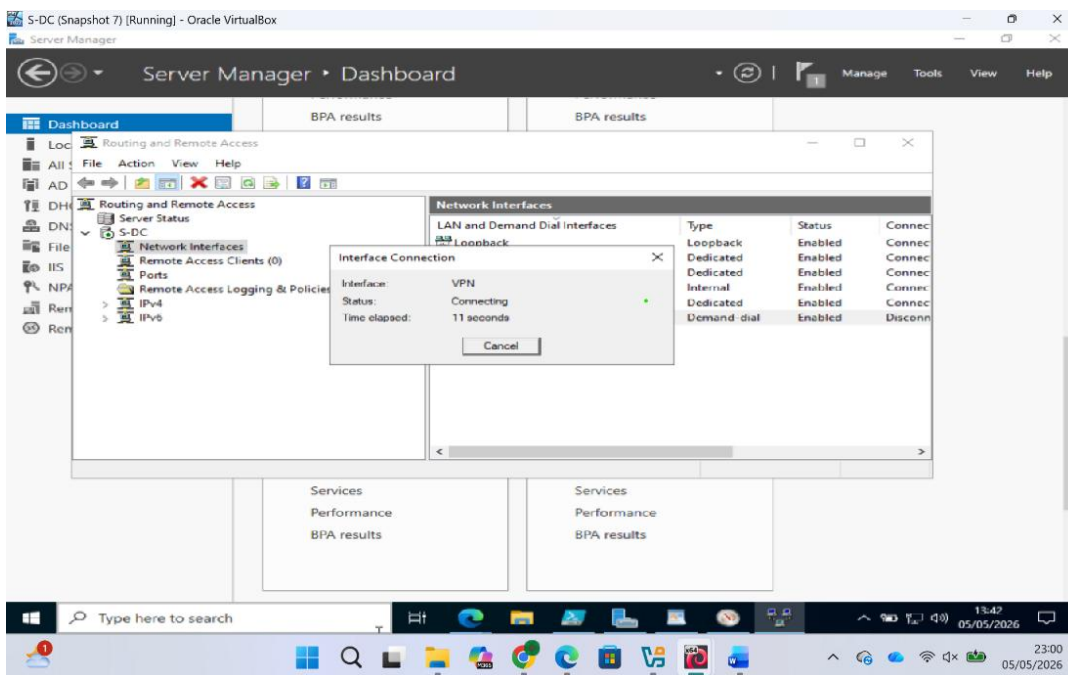
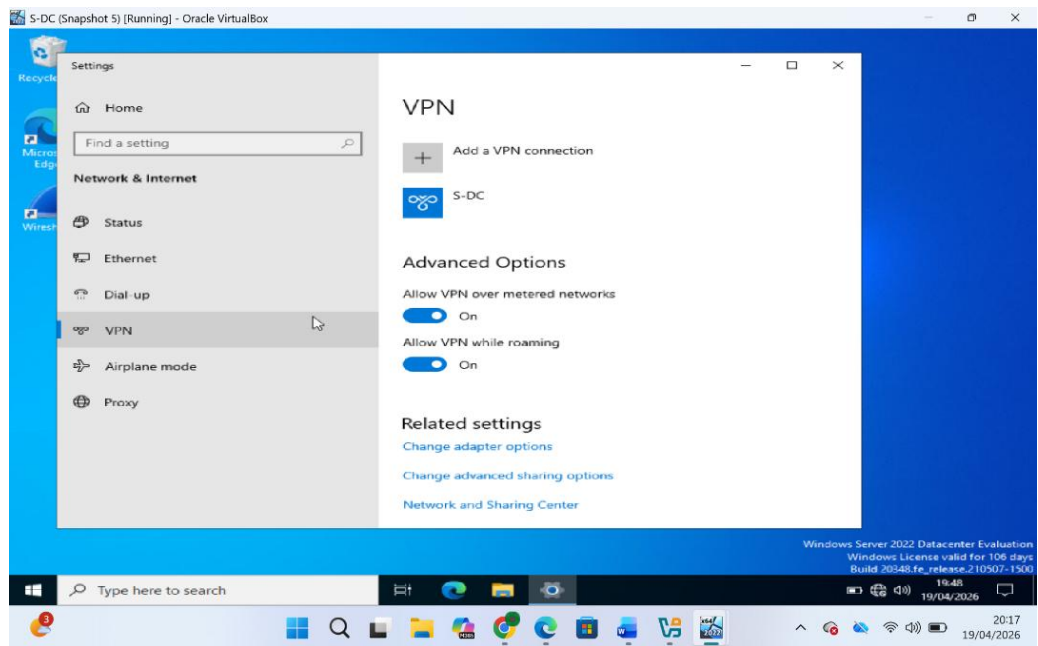
Figure 3 Created an additional user account





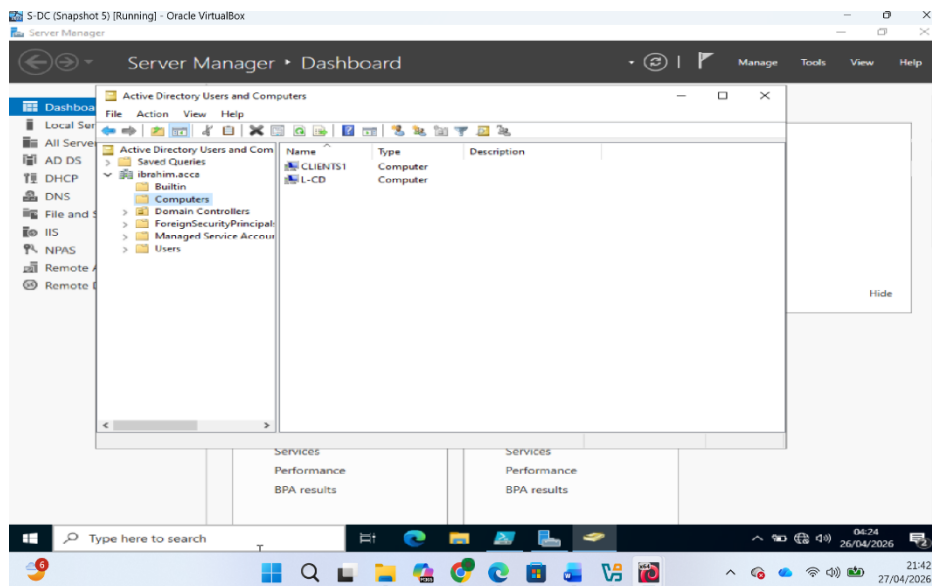
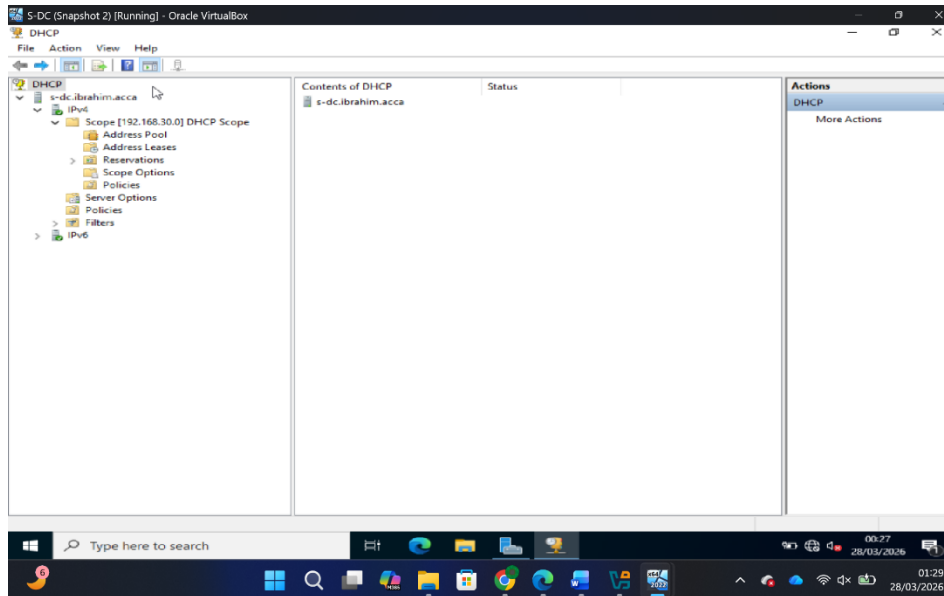
Encrypted connection between S-dc and L-cd

Secure channel established to protect data between servers.



DHCP Server

Automatically assigns IP addresses and network settings to clients.



Test and Troubleshoot

A successful ping means my internet connection is working properly and the network is reachable

Figure 4 Ping from L-CD to S-DC

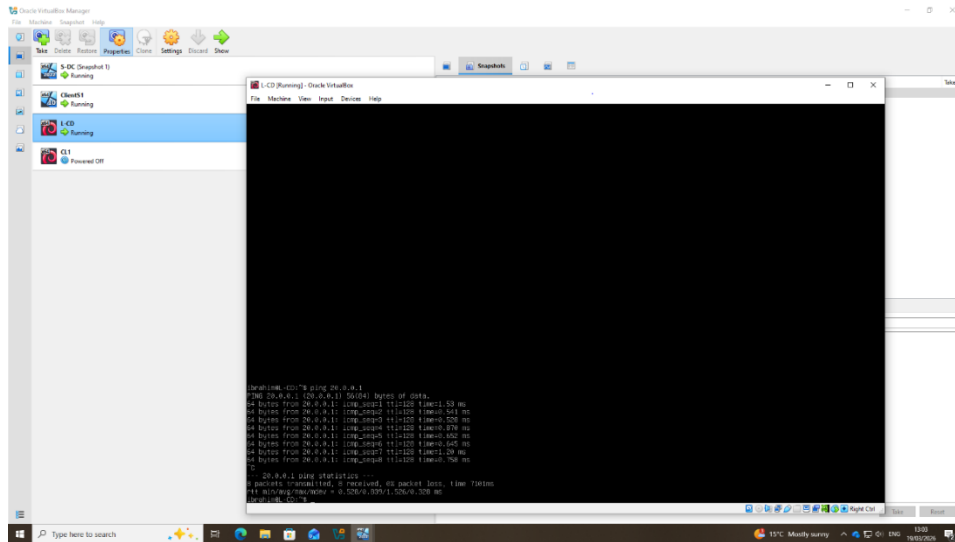
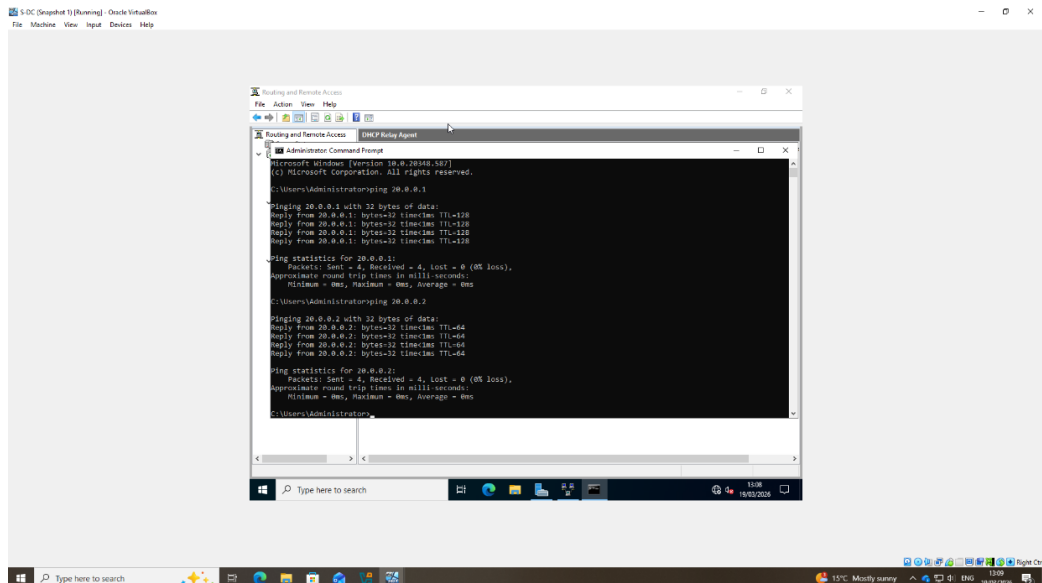
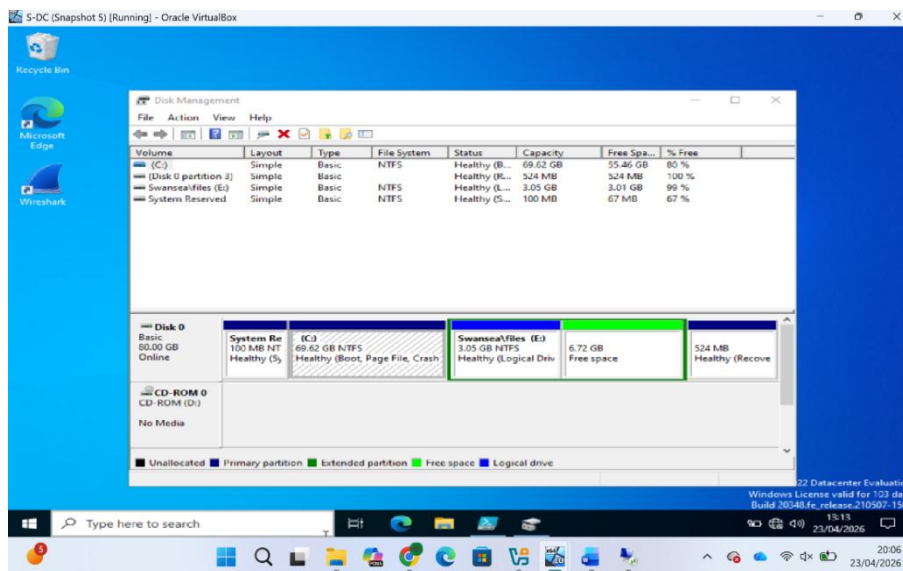
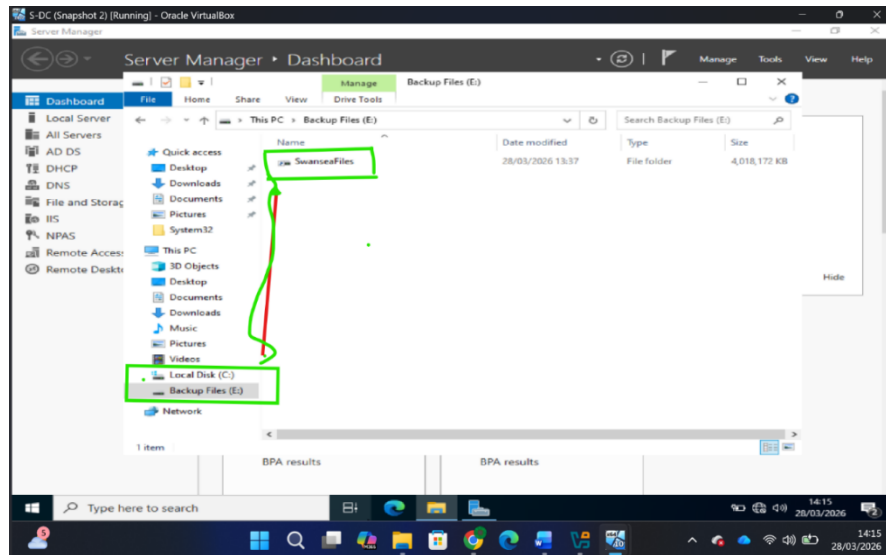


Figure 5 Ping from S-DC to L-CD

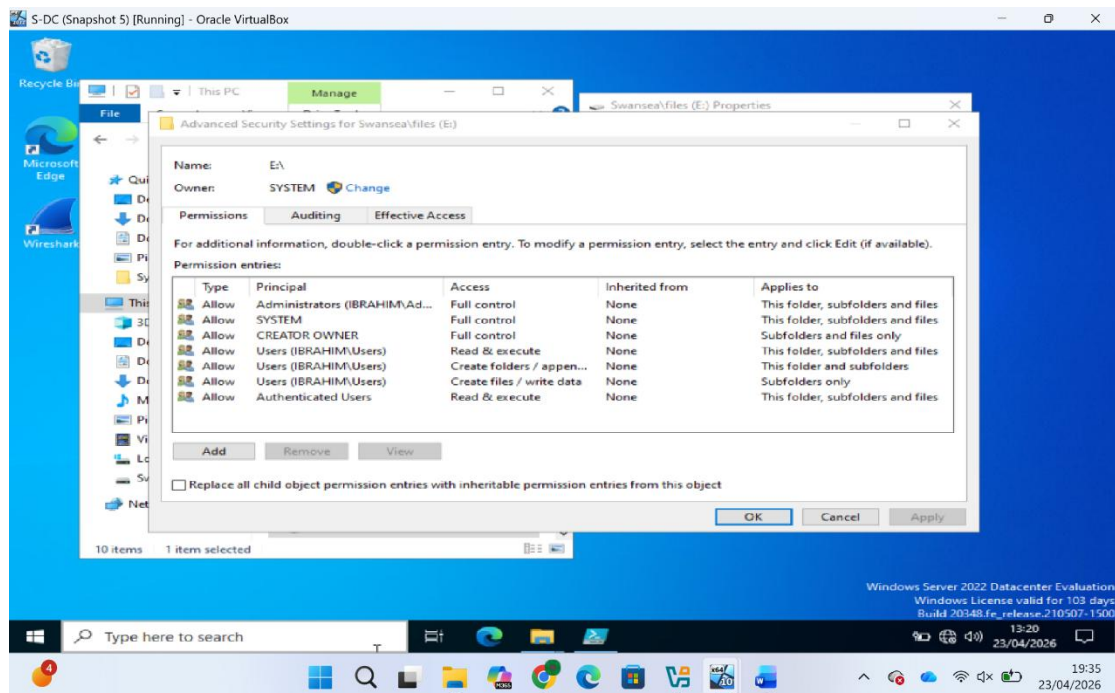
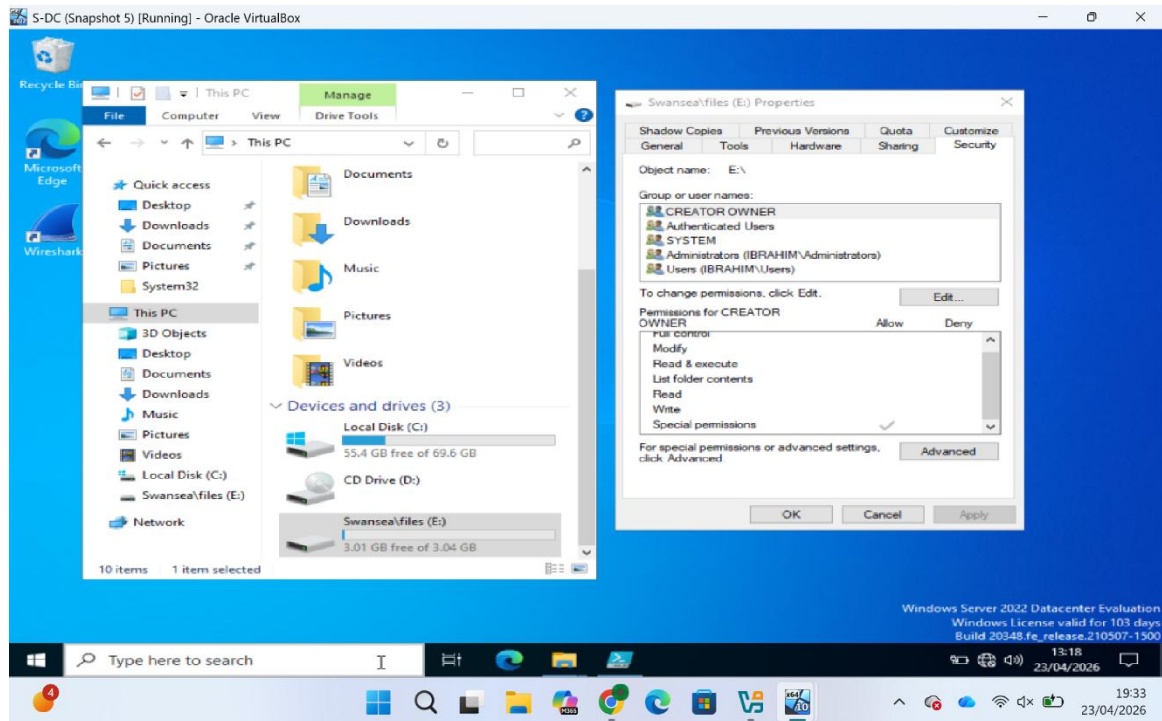


Disk Drive

Drives partitioned and formatted for storage and performance.

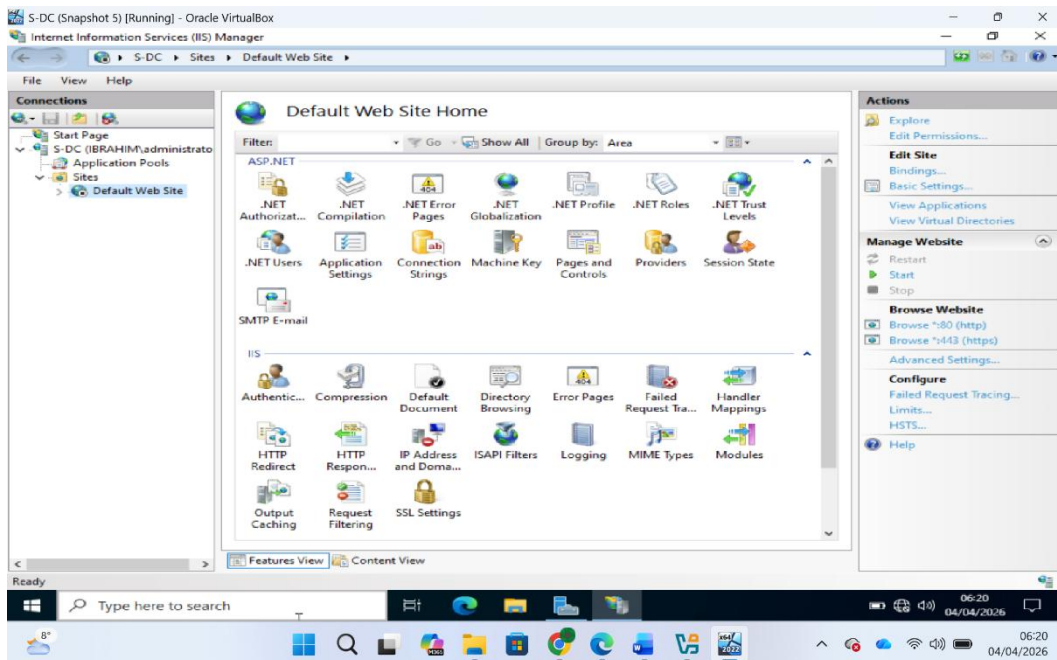
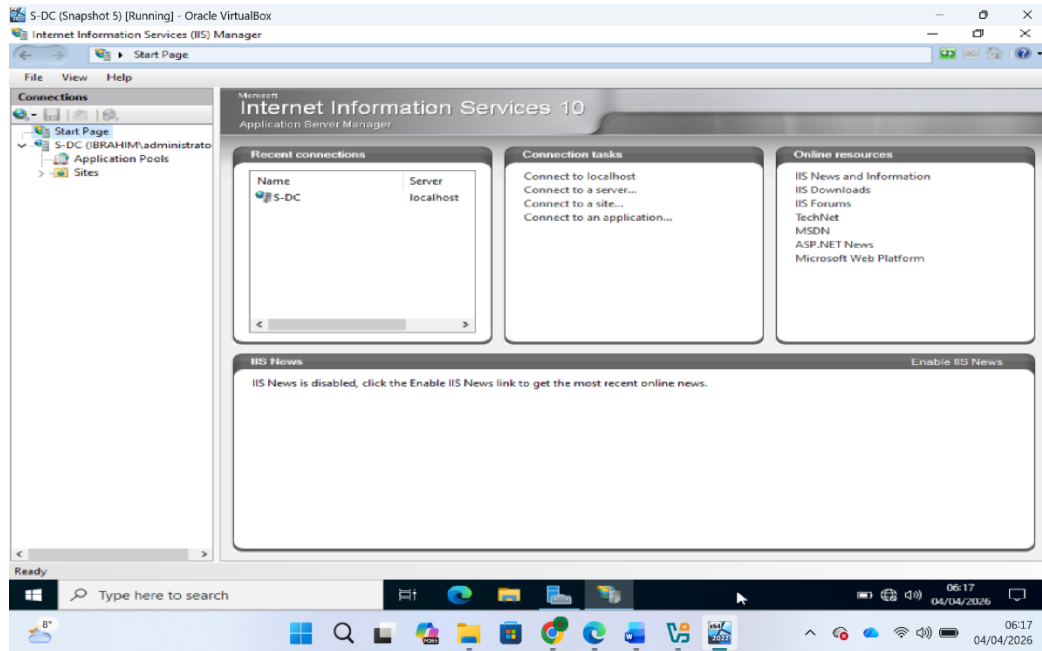


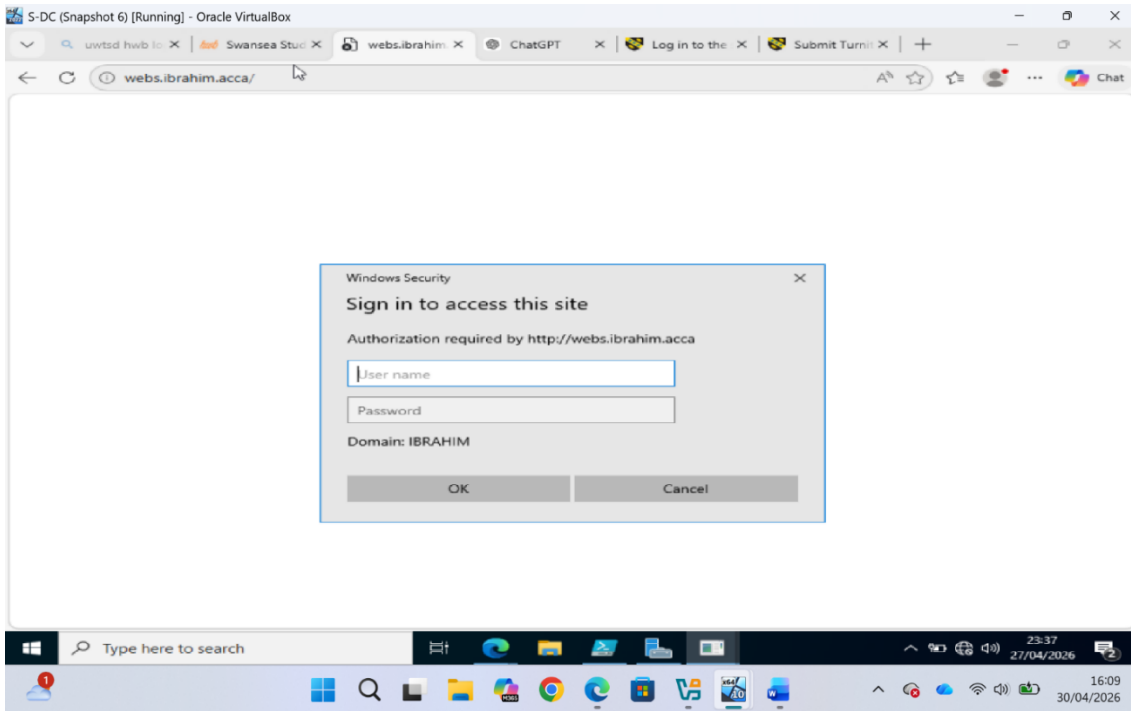
Sharing Disk Drive access permission



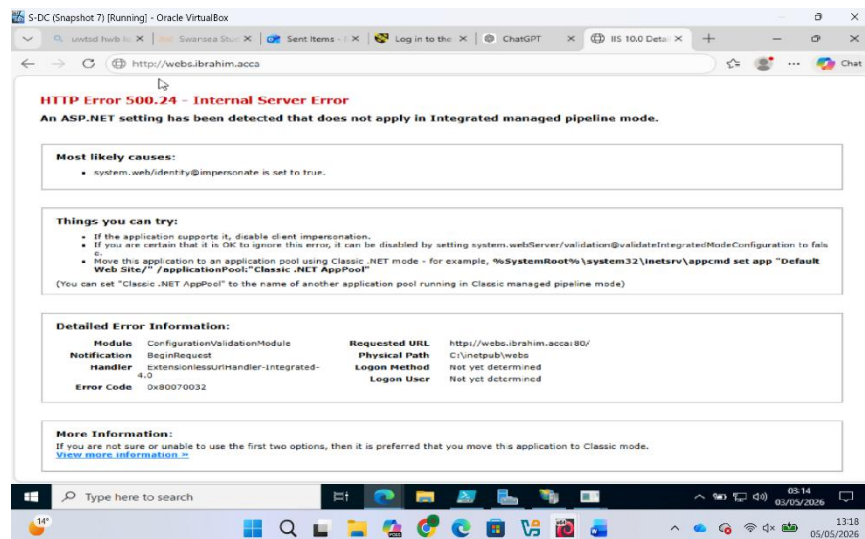
IIS Server

Web services hosted and tested with proper security settings.



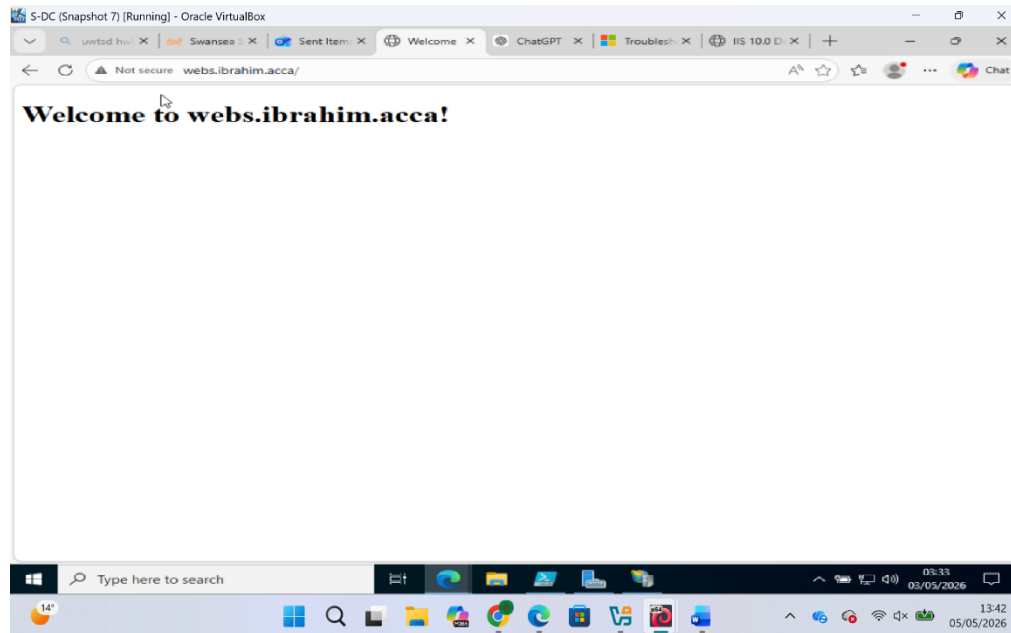


Started Troubleshooting



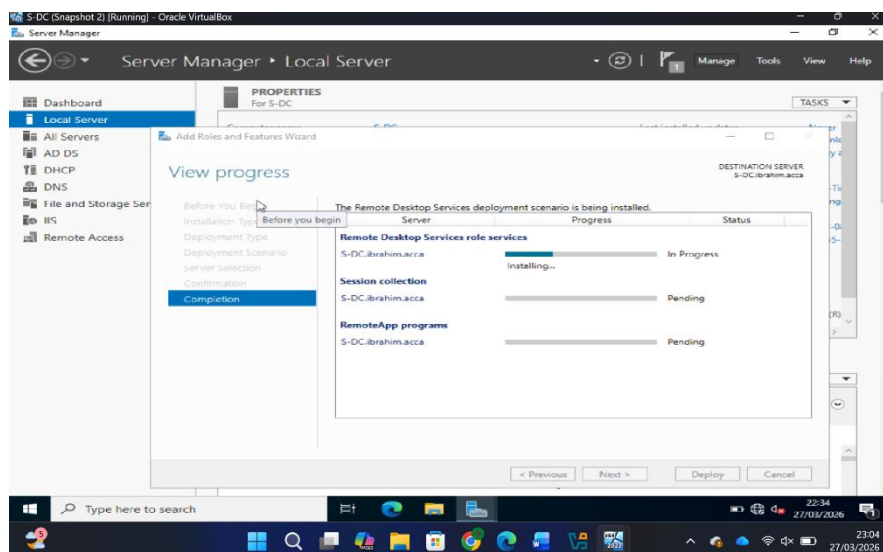
After troubleshooting

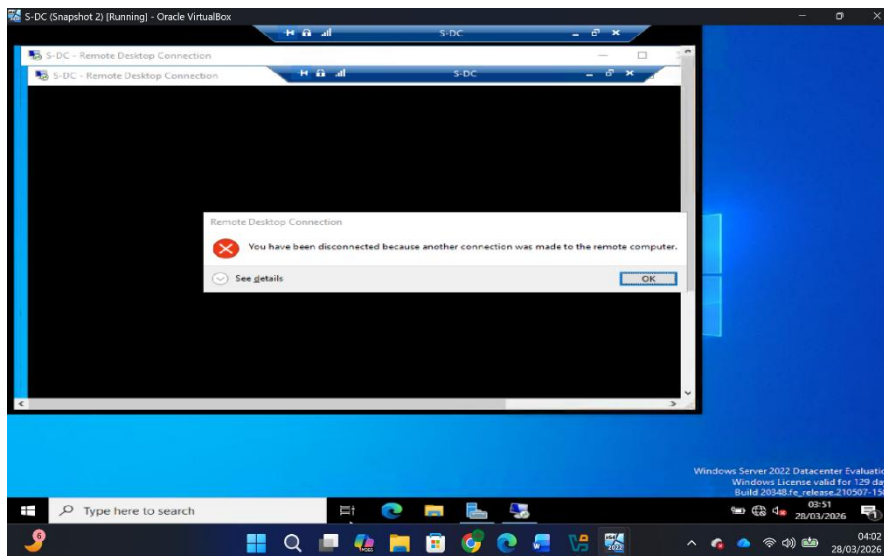
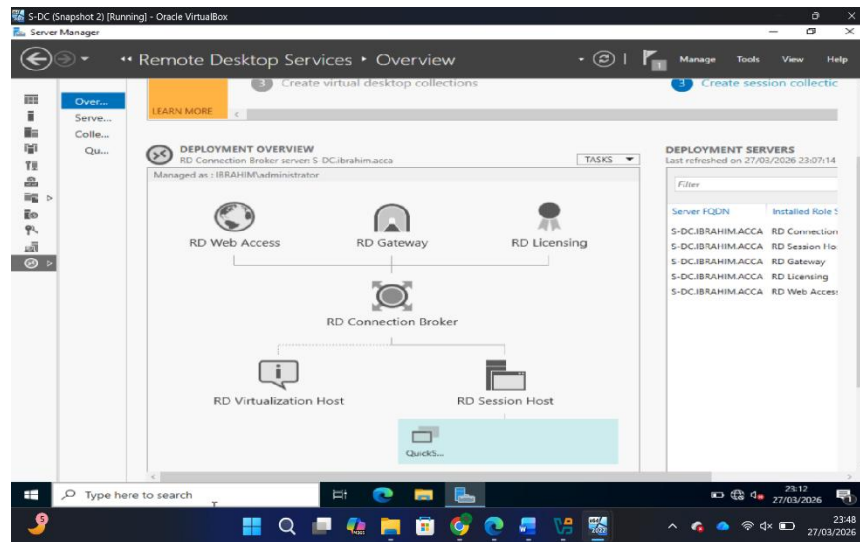
IIS site is now fully functional



Remote Desktop Services

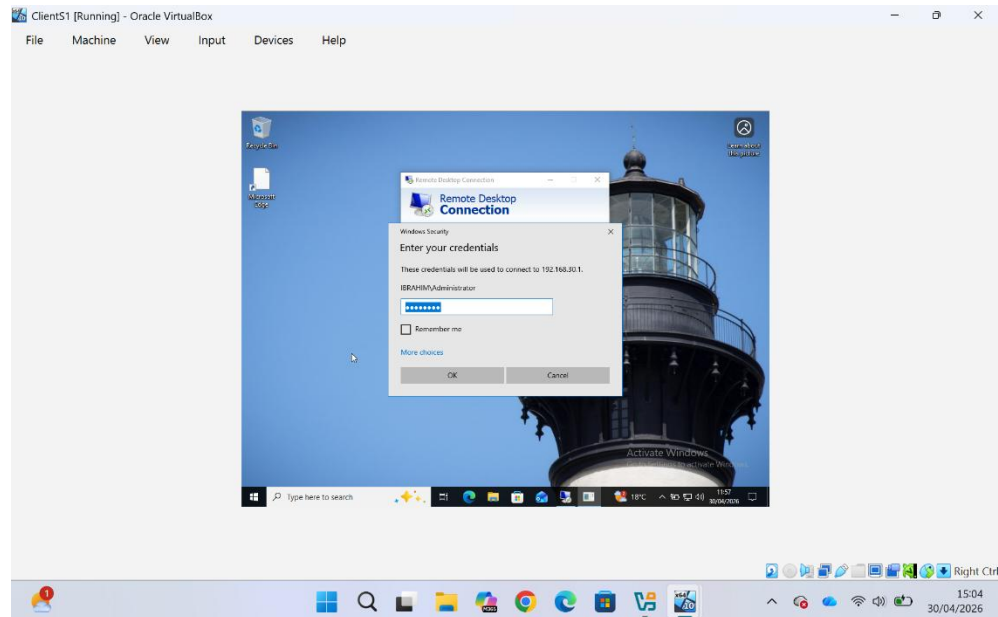
Remote access enabled for authorization users.



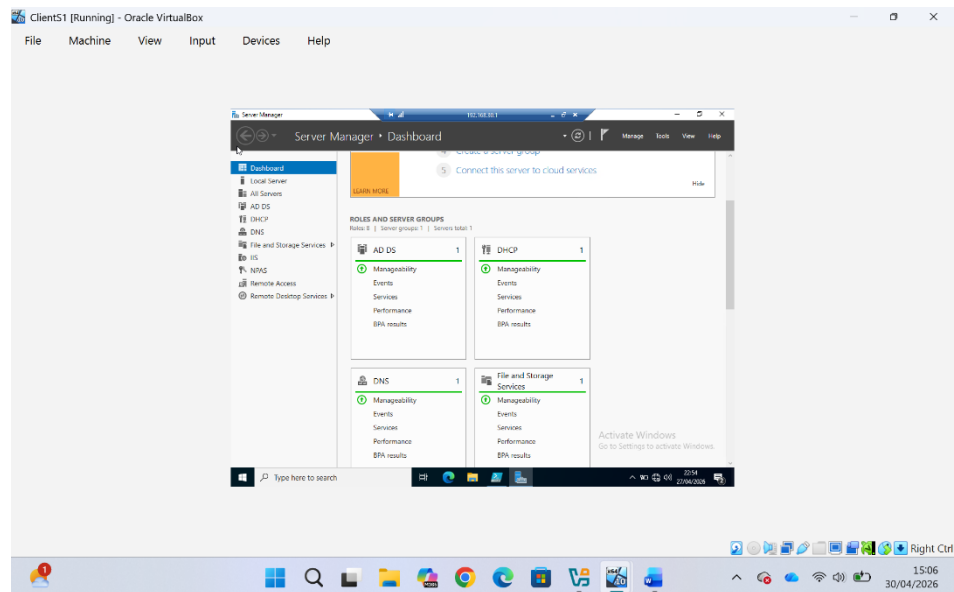


After troubleshooting

Remote Desktop Connection from ClientS1 to S-DC Server

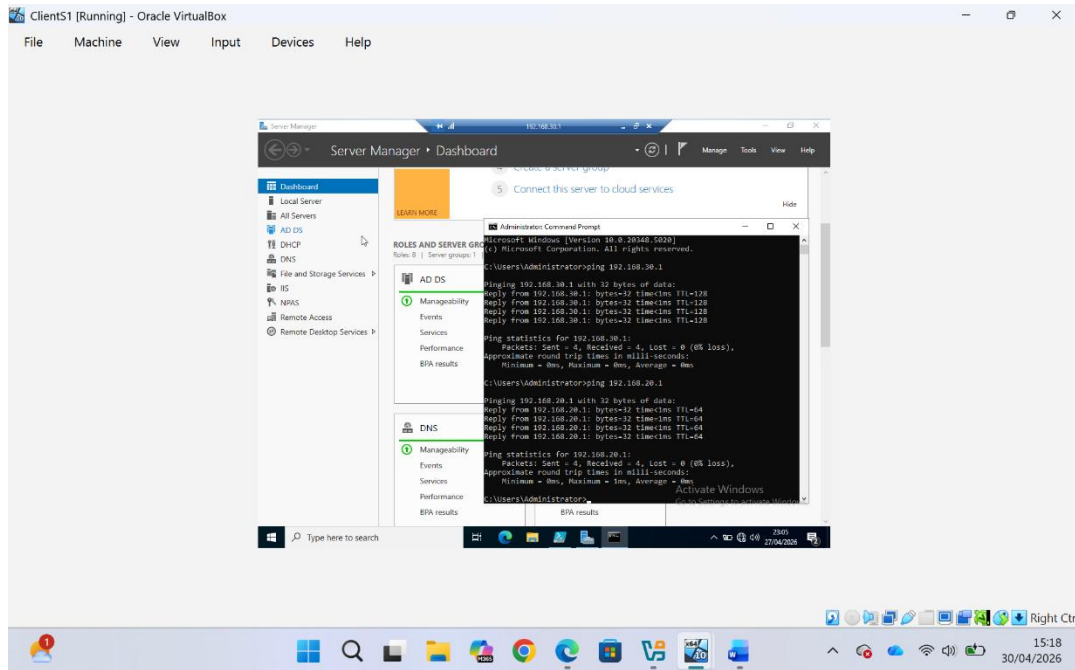


Successfully signed up in ClientS1



Tested ping

ClientS1 can successfully ping S-DC and L-CD



Conclusion

The network infrastructure was successfully implemented, including domain services, routing, user accounts, and server roles such as DHCP and IIS. Security measures like encryption and controlled access were applied. Testing confirmed that the systems operate efficiently.