Windows Server Final Project

Under supervision of

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Team Members

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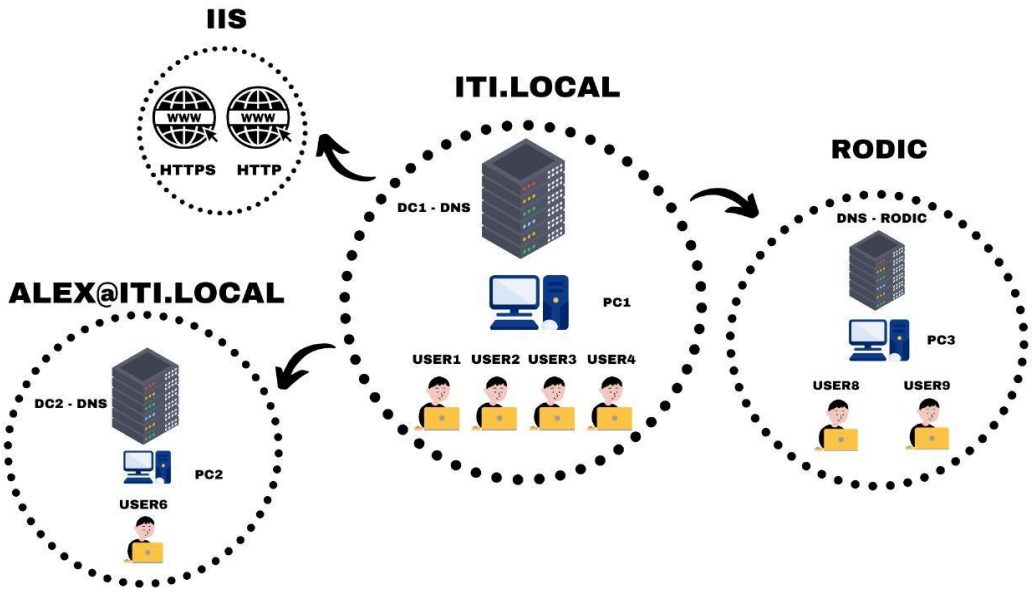
Sama Wael

Alia Ashraf

Information Technology Institute

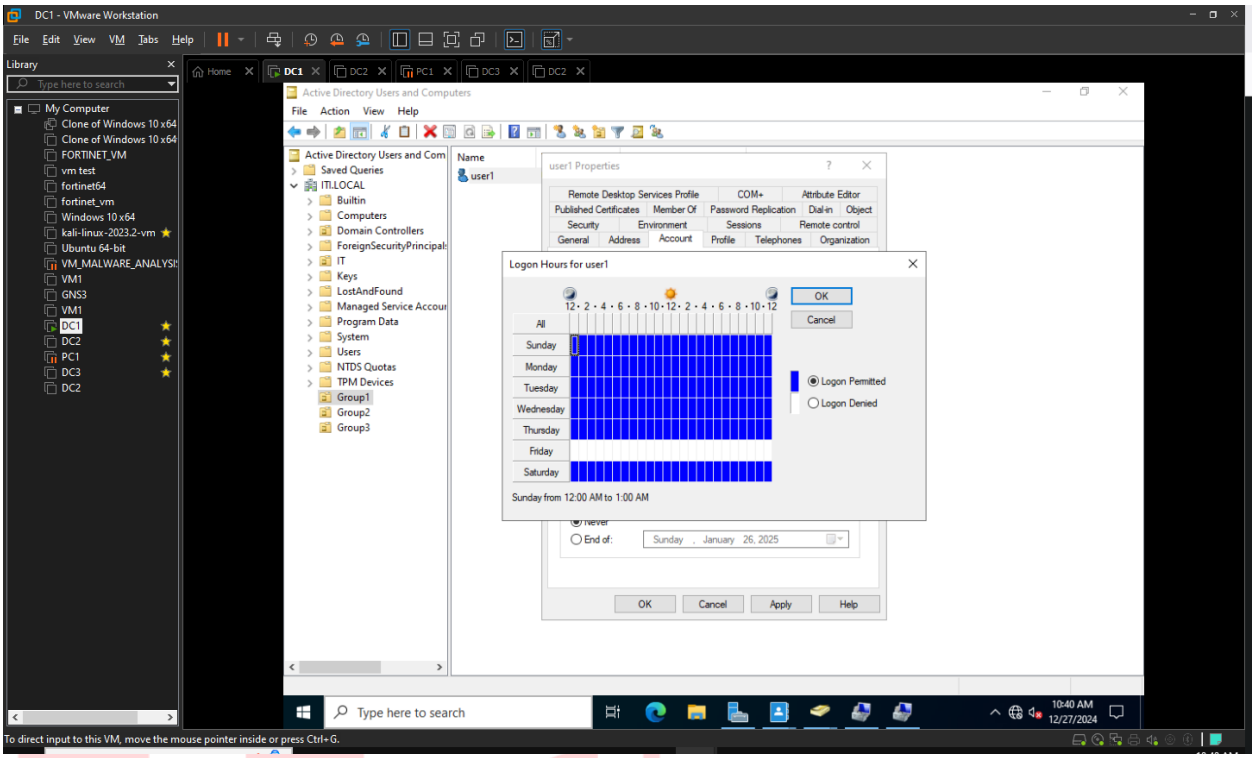
Network Topolgy

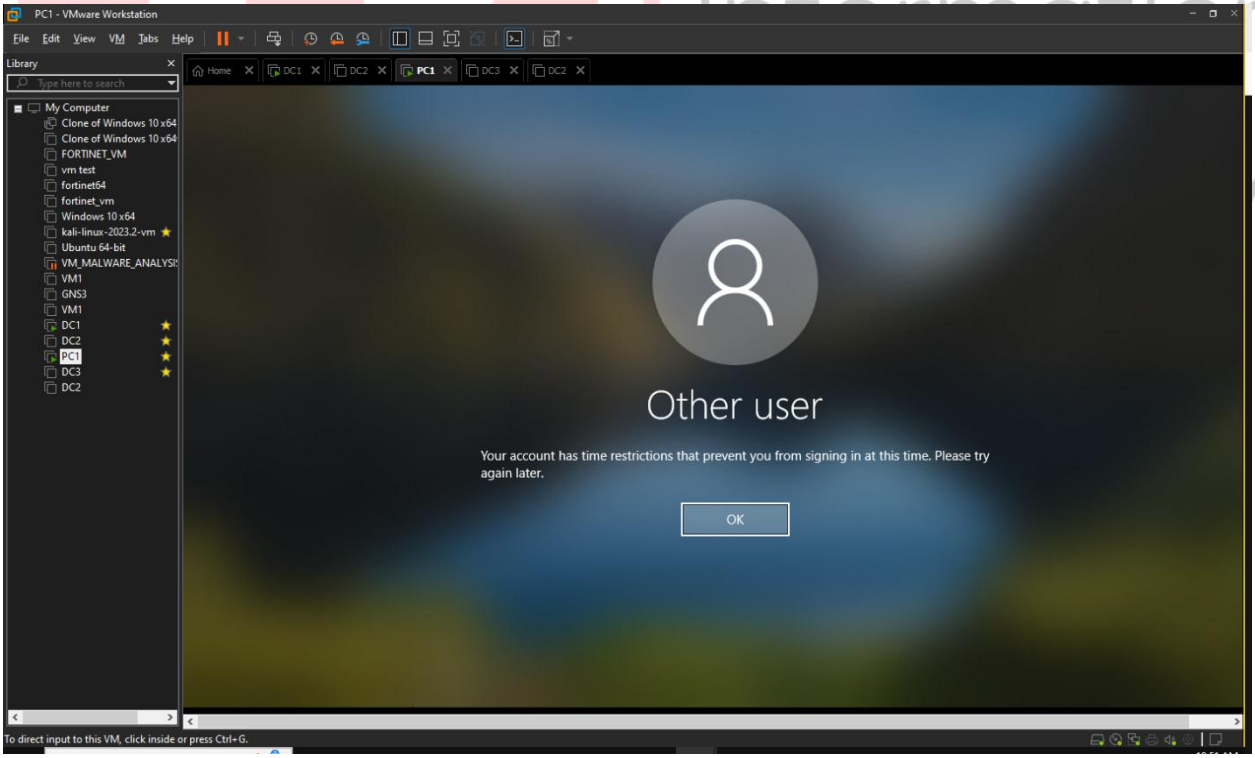


Name	IP configurations		users	config
DC1 (Domain Controller) ITI.LOCAL	IP	10.10.10.1	User1 User2 User3 User4 User8 User9	- user1 can't access his account on Friday - user2 can remote access to dc1 - Install WINRAR on pc3 desktop - user3 and user4 can't insert a flash memory, can't access control panel - Primary DNS
	SUBNET MASK	255.0.0.0		
	DNS	127.0.0.1		
DC2 (Child domain) ALEX.ITI.LOCAL	IP	10.10.10.2	User6	- user 6 can login to pc1 in smart village -Secondary DNS
	SUBNET MASK	255.0.0.0		
	DNS	10.10.10.1		
RODC	IP	10.10.10.3		- user8 can login read only on RODC server - user9 can login to pc3 and can replicate his password cache to the RODC
	SUBNET MASK	255.0.0.0		
	DNS	10.10.10.1		
Web Server	IP	10.10.10.200		IIS http://www.web1.com https://www.web2.com
	SUBNET MASK	255.0.0.0		
	DNS	10.10.10.1		
PC1	IP	10.10.10.11		
	SUBNET MASK	255.0.0.0		
	DNS	10.10.10.1		
PC2	IP	10.10.10.12		
	SUBNET MASK	255.0.0.0		
	DNS	10.10.10.2		
PC3	IP	10.10.10.13		
	SUBNET MASK	255.0.0.0		
	DNS	10.10.10.3		

USR1@ITI.LOCAL:

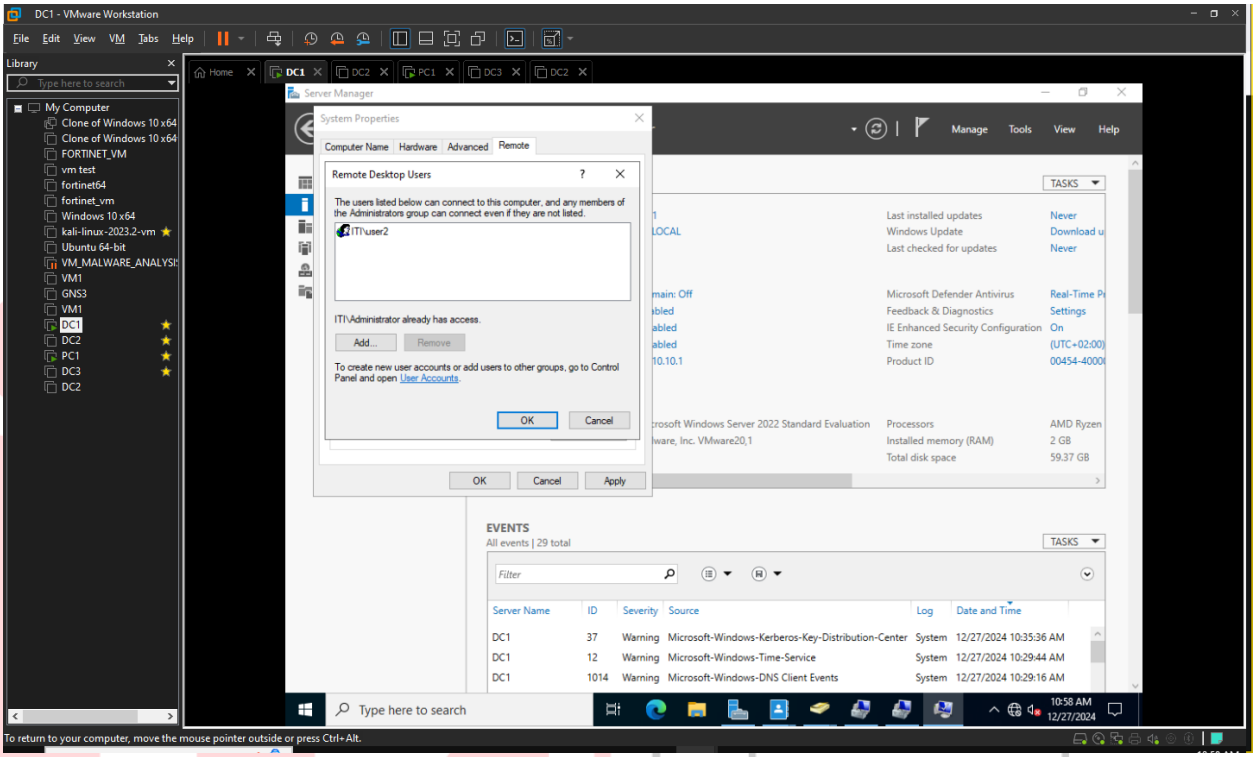
- Cannot log in to PC1 on Fridays.

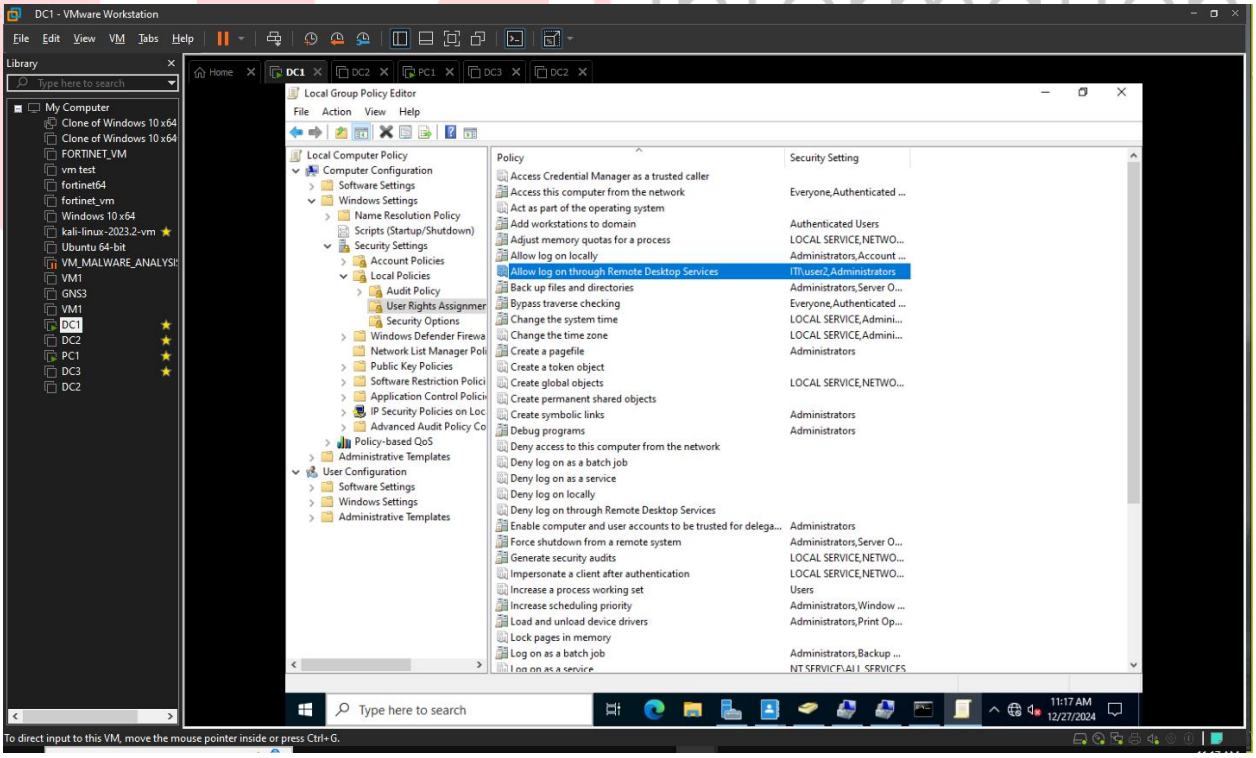


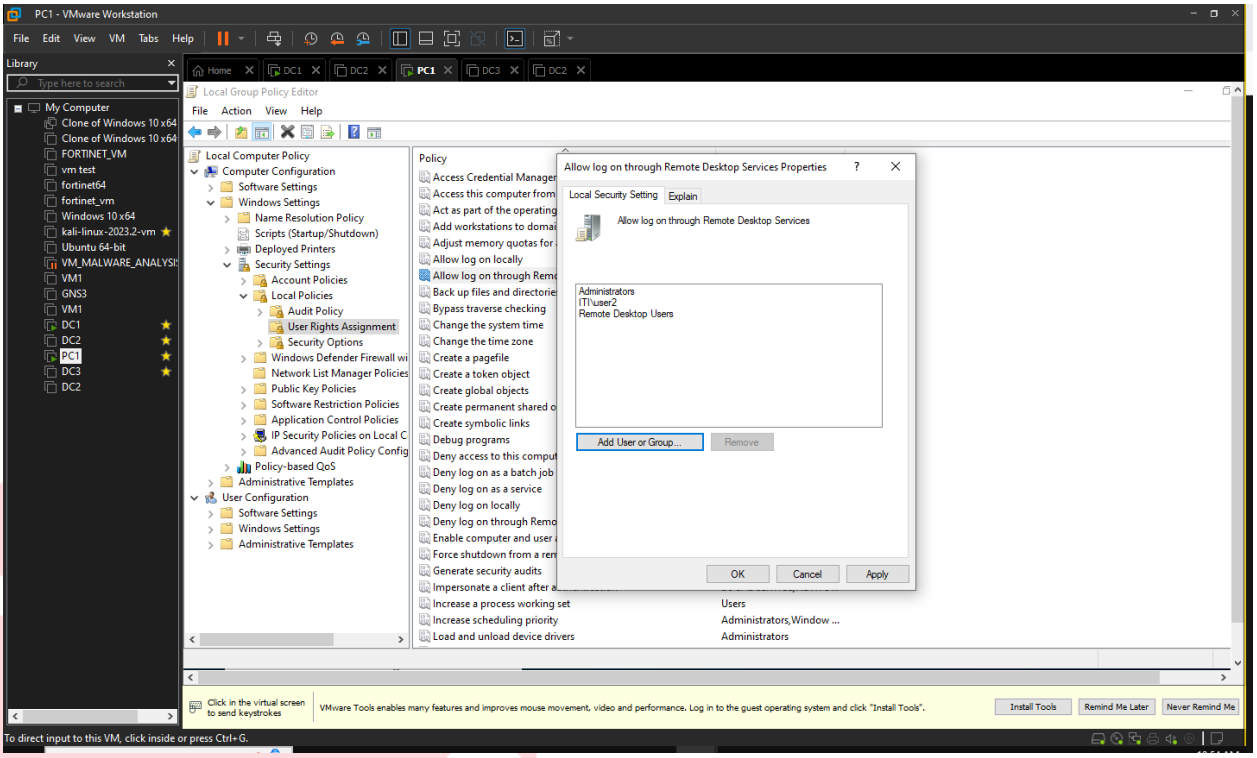


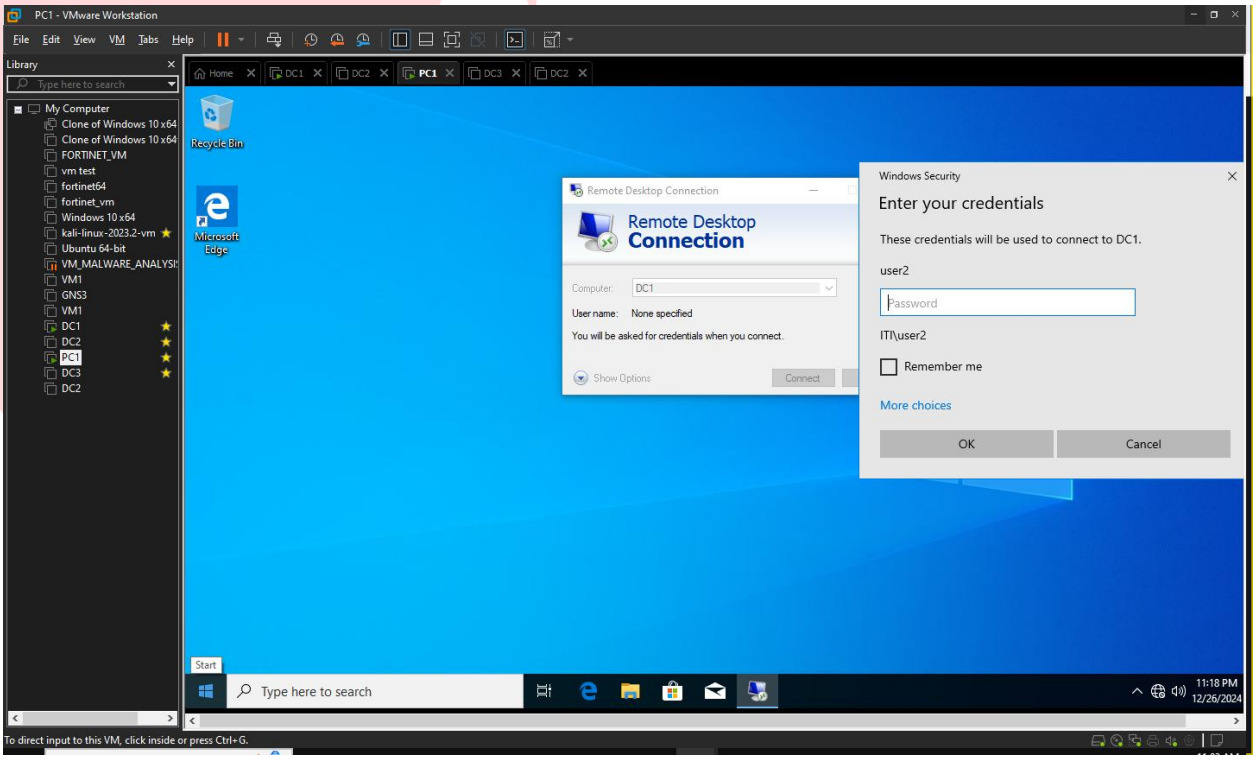
user2@ITI.LOCAL:

- Can log in to PC1.
- Can log in remotely to DC1 but is not a Domain Admin.



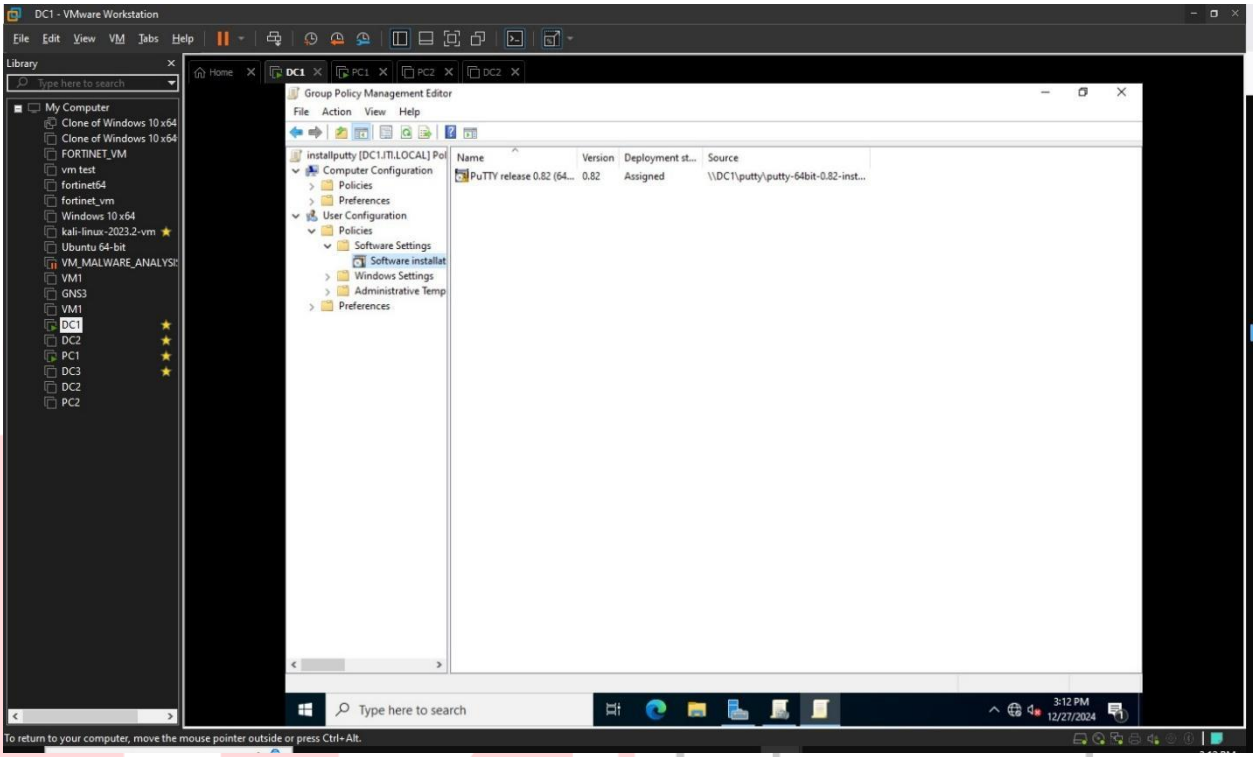


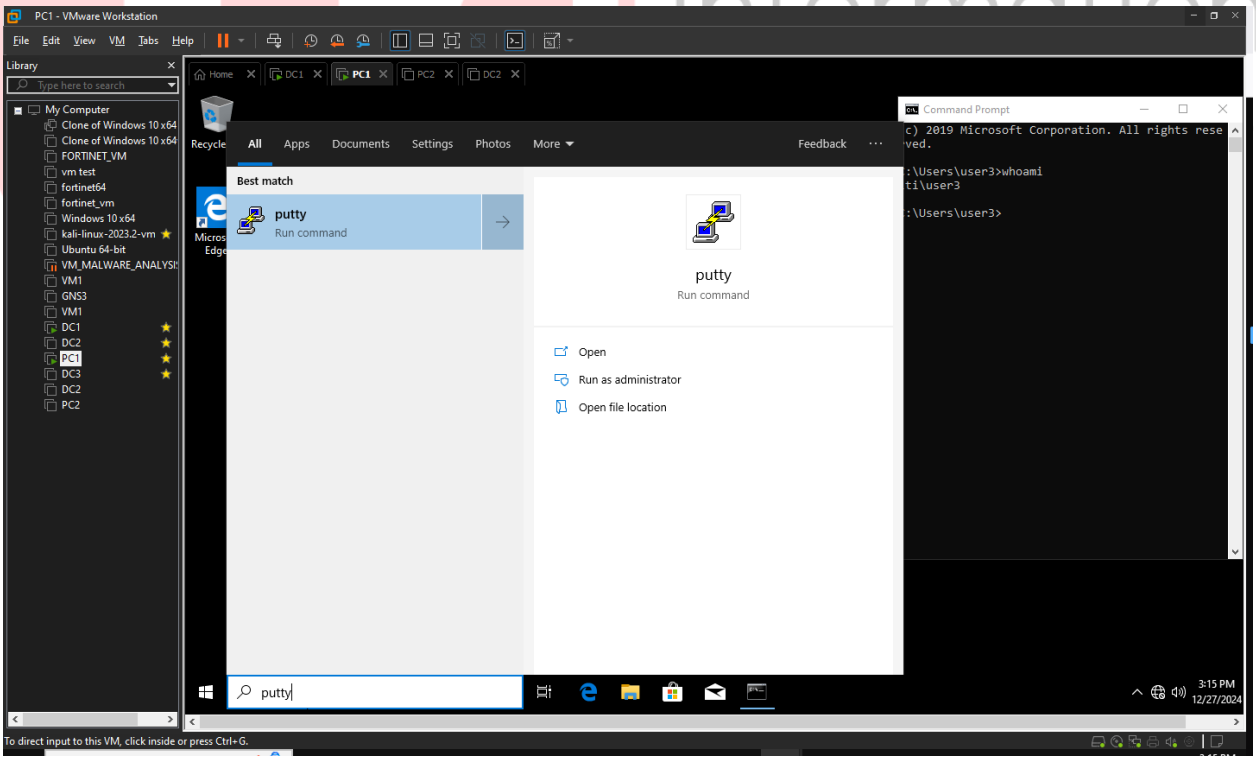

PC1 - VMware Workstation
File Edit View VM Tabs Help
Library
Local Group Policy Editor
File Action View Help
Local Computer Policy
Computer Configuration
Software Settings
Windows Settings
Name Resolution Policy
Scripts (Startup/Shutdown)
Deployed Printers
Security Settings
Account Policies
Local Policies
Audit Policy
User Rights Assignment
Security Options
Windows Defender Firewall wi
Network List Manager Policies
Public Key Policies
Software Restriction Policies
Application Control Policies
IP Security Policies on Local C
Advanced Audit Policy Config
Policy-based QoS
Administrative Templates
User Configuration
Software Settings
Windows Settings
Administrative Templates
Policy
Access Credential Manager
Access this computer from
Act as part of the operating
Add workstations to domai
Adjust memory quotas for
Allow log on locally
Allow log on through Remo
Back up files and directorie
Bypass traverse checking
Change the system time
Change the time zone
Create a pagefile
Create a token object
Create global objects
Create permanent shared o
Create symbolic links
Debug programs
Deny access to this comput
Deny log on as a batch job
Deny log on as a service
Deny log on locally
Deny log on through Remo
Enable computer and user
Force shutdown from a rem
Generate security audits
Impersonate a client after
Increase a process working set
Increase scheduling priority
Load and unload device drivers
Users
Administrators,Window ...
Administrators
Allow log on through Remote Desktop Services Properties
Local Security Setting
Explain
Allow log on through Remote Desktop Services
Administrators
ITI\user2
Remote Desktop Users
Add User or Group...
Remove
OK
Cancel
Apply
Click in the virtual screen to send keystrokes
VMware Tools enables many features and improves mouse movement, video and performance. Log in to the guest operating system and click "Install Tools".
Install Tools
Remind Me Later
Never Remind Me
To direct input to this VM, click inside or press Ctrl+G.


PC1 - VMware Workstation
File Edit View VM Tabs Help
Library
Recycle Bin
Microsoft Edge
Remote Desktop Connection
Remote Desktop Connection
Computer: DC1
User name: None specified
You will be asked for credentials when you connect.
Show Options
Connect
Windows Security
Enter your credentials
These credentials will be used to connect to DC1.
user2
Password
ITI\user2
Remember me
More choices
OK
Cancel
Start
Type here to search
11:18 PM
12/26/2024
To direct input to this VM, click inside or press Ctrl+G.

user3@ITI.LOCAL:

- When logging in to PC1, notices that PUTTY is installed by a Domain Admin.





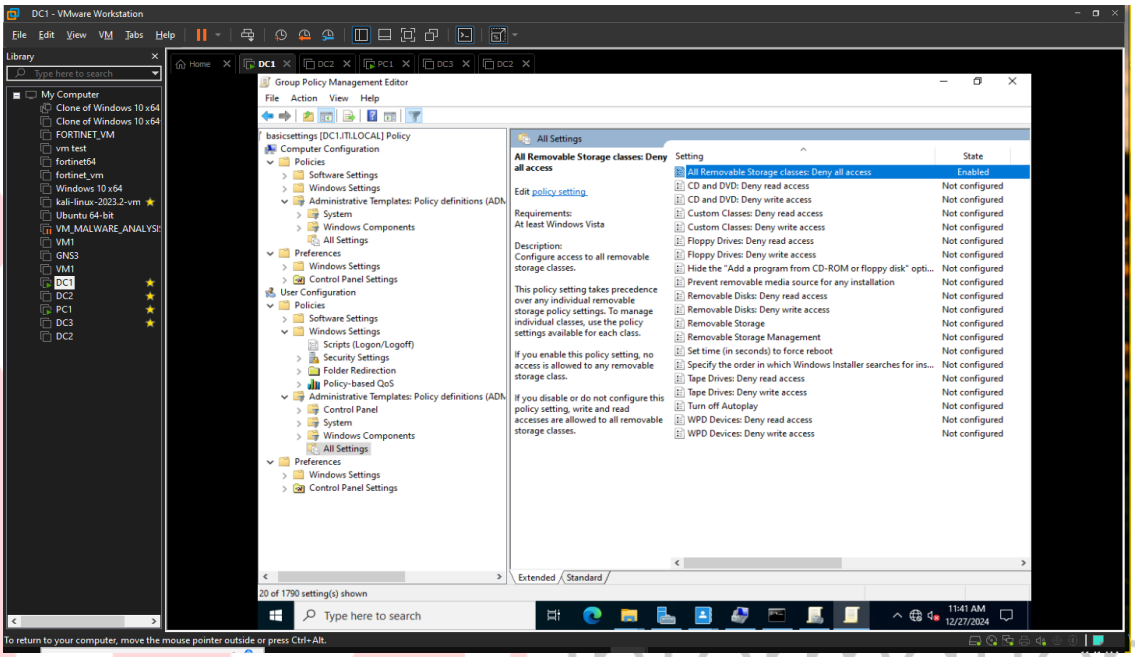
user4 & user3 @ITI.LOCAL:

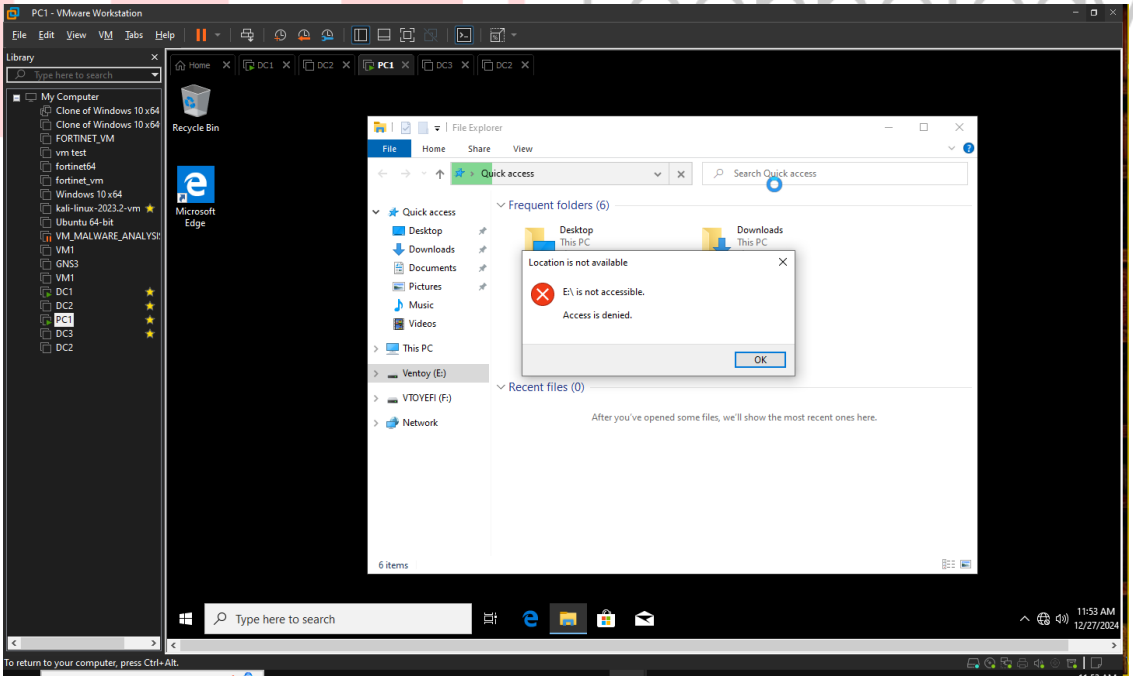
1-Cannot use flash memory

2- cannot use control panel.

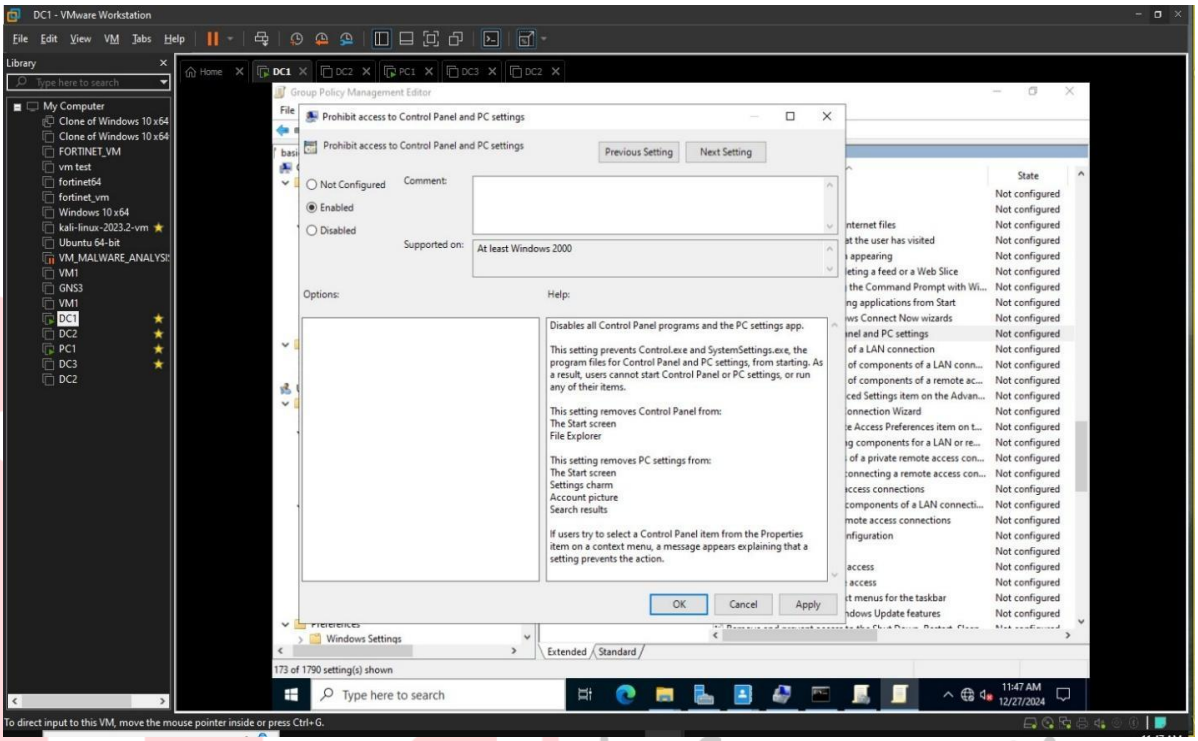
3-Desktop wallpaper is the ITI logo.

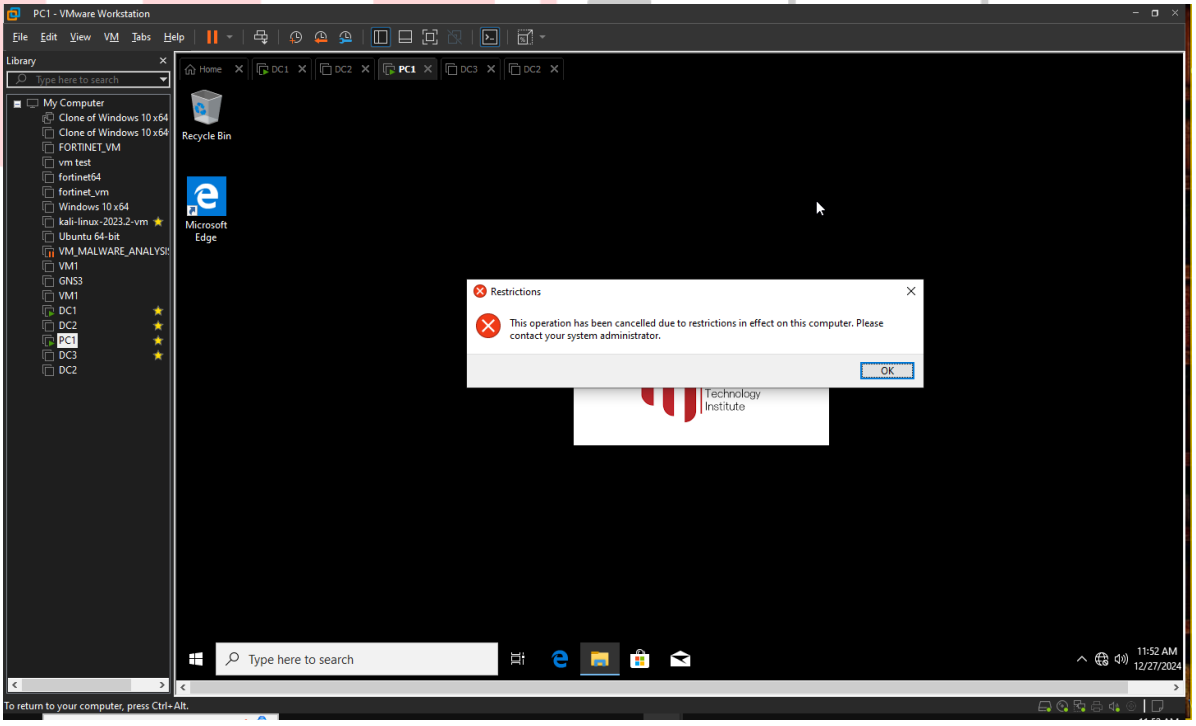
#policy for disable flash memory



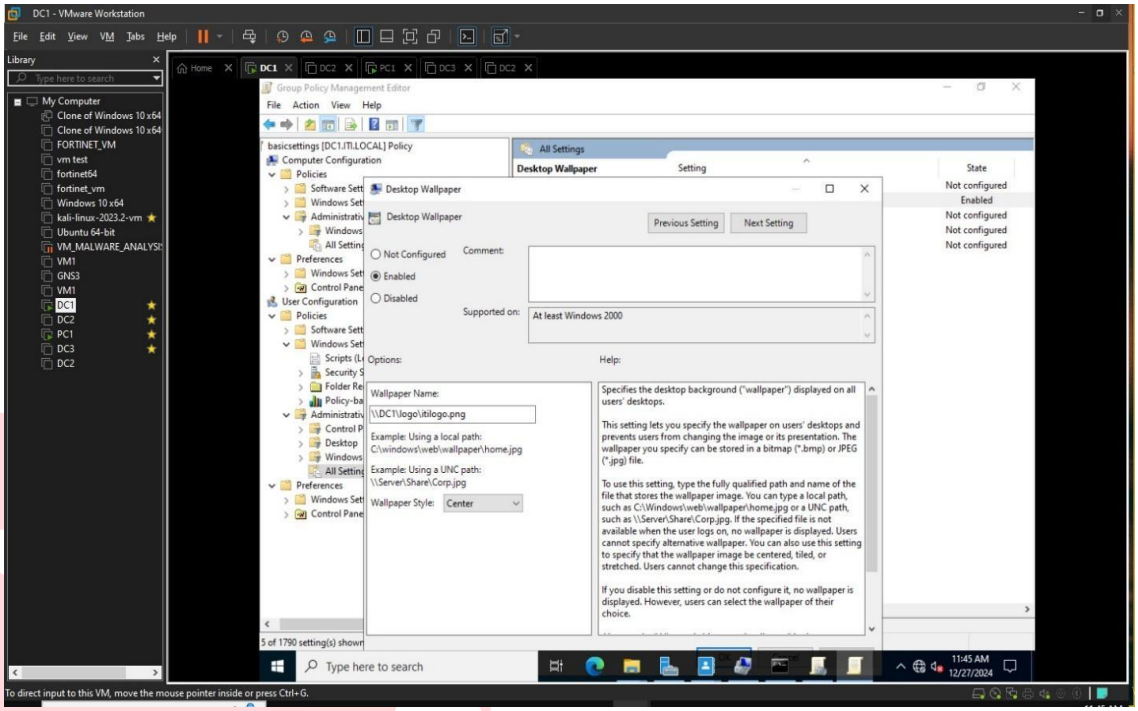


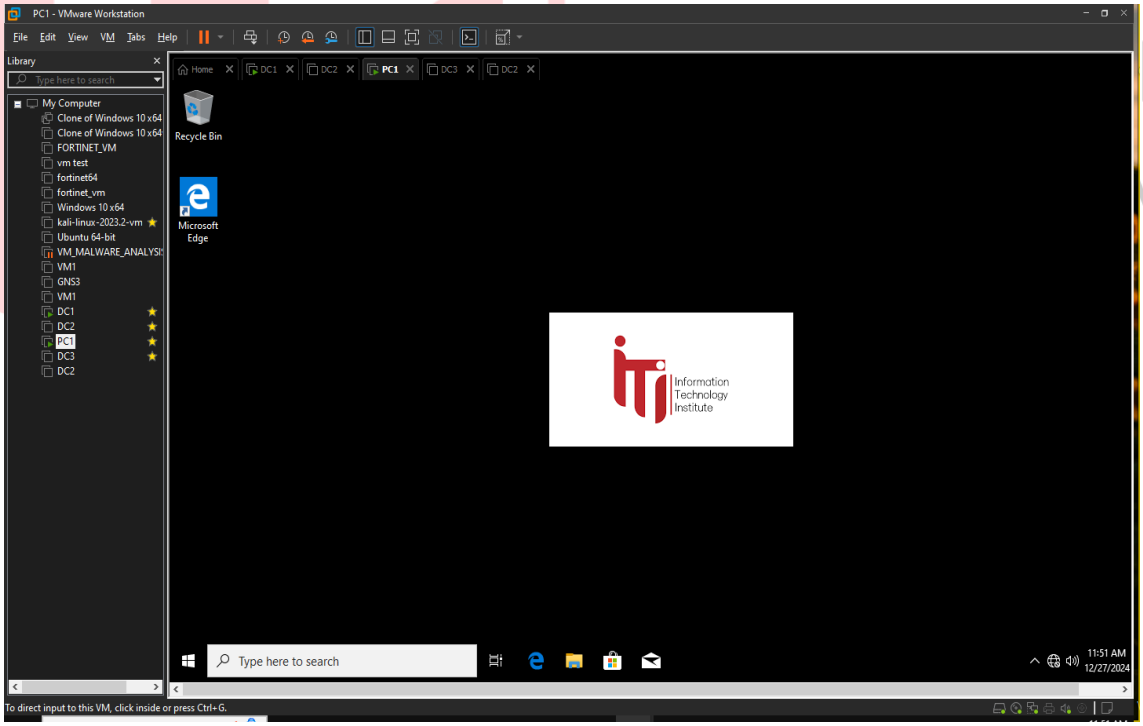
#policy for control panel



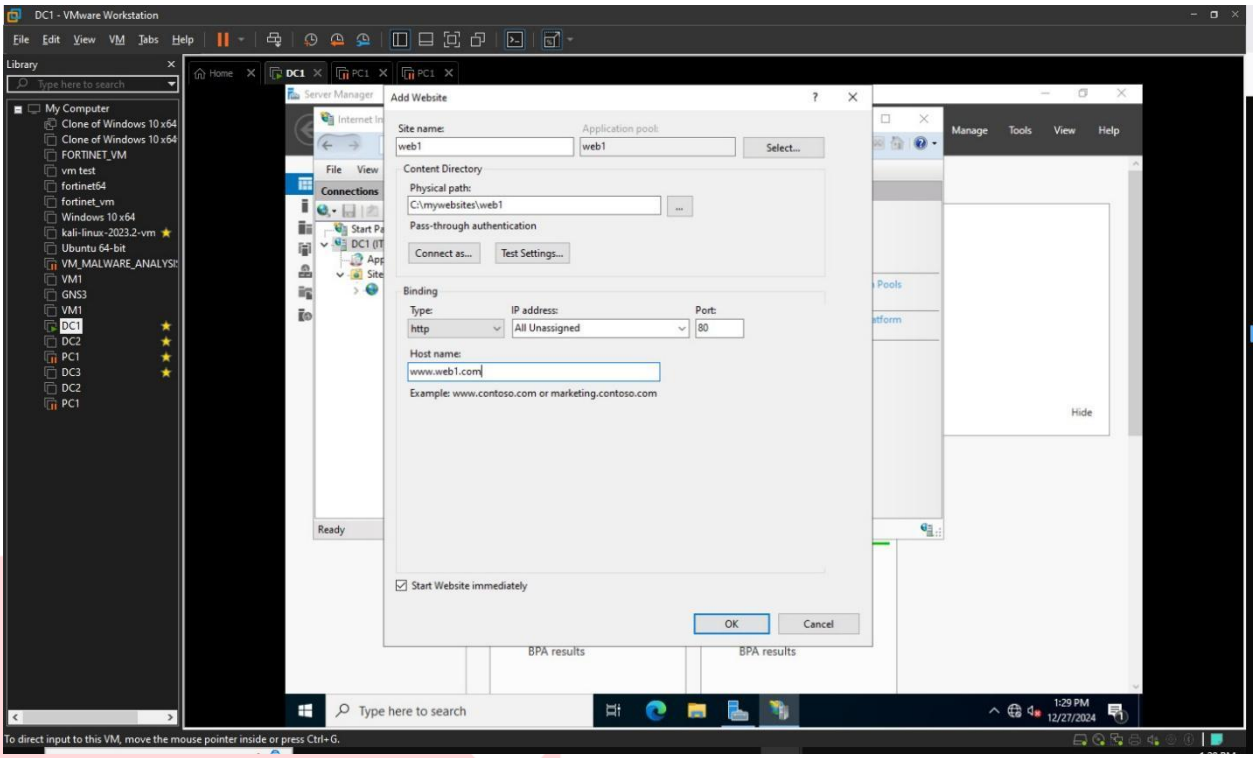


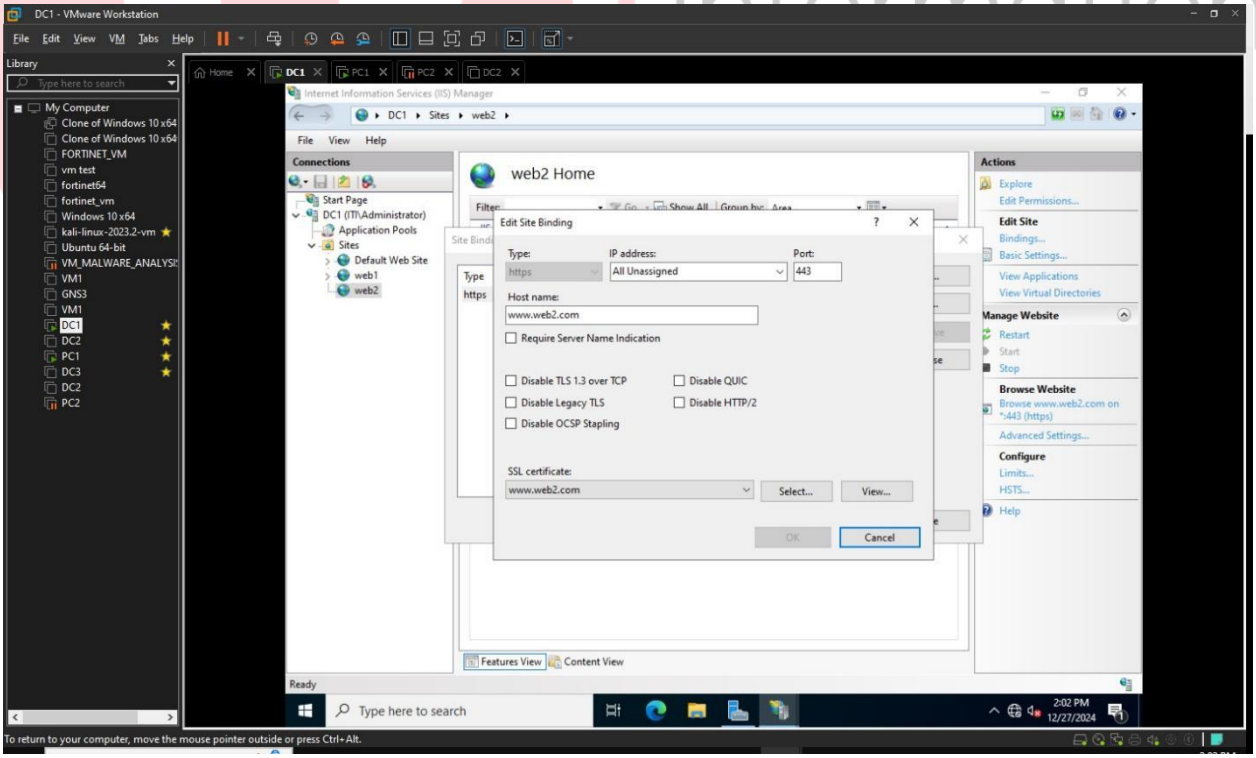
#policy for apply wallpaper

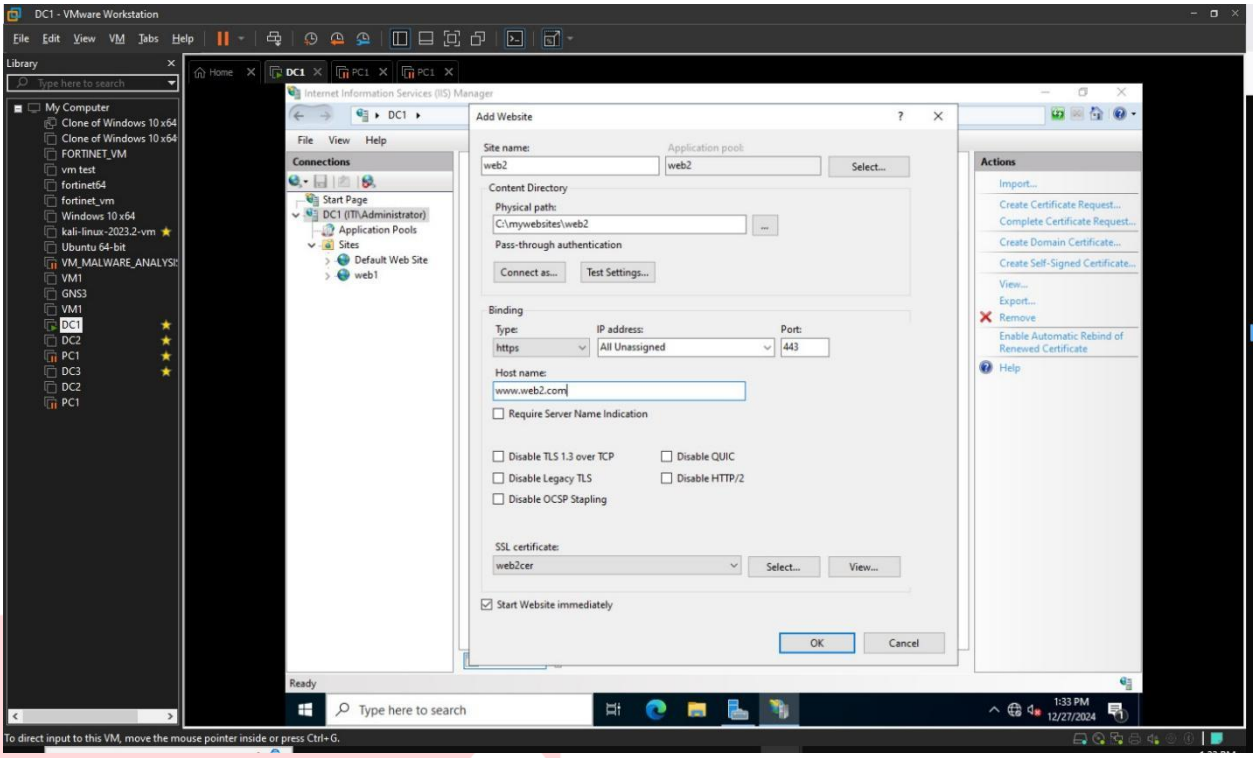


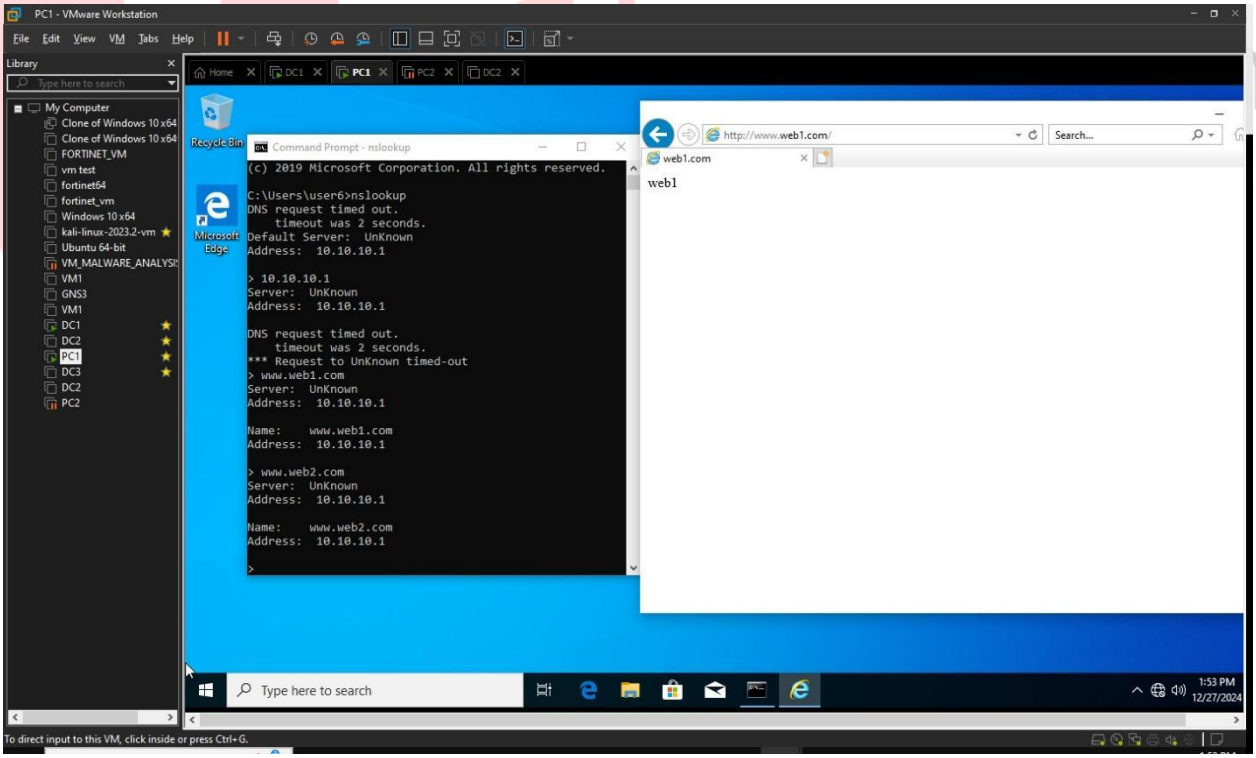


IIS configuration:



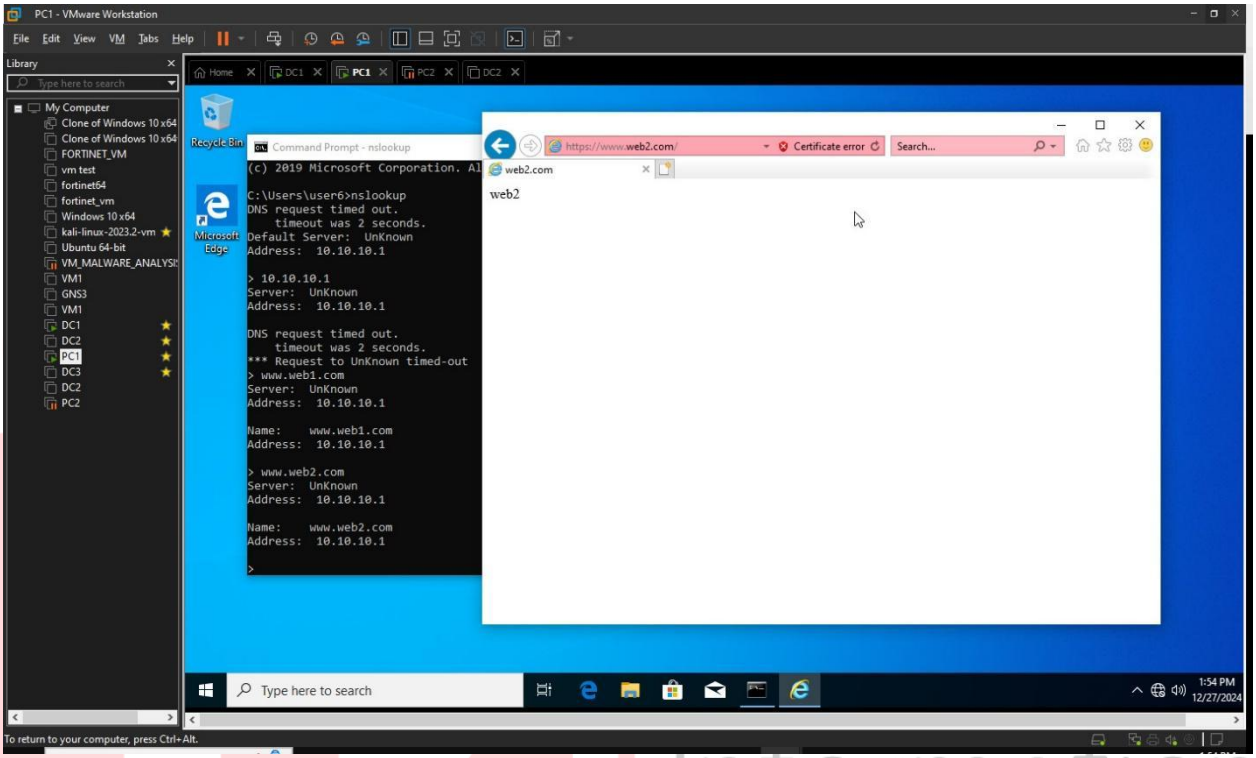


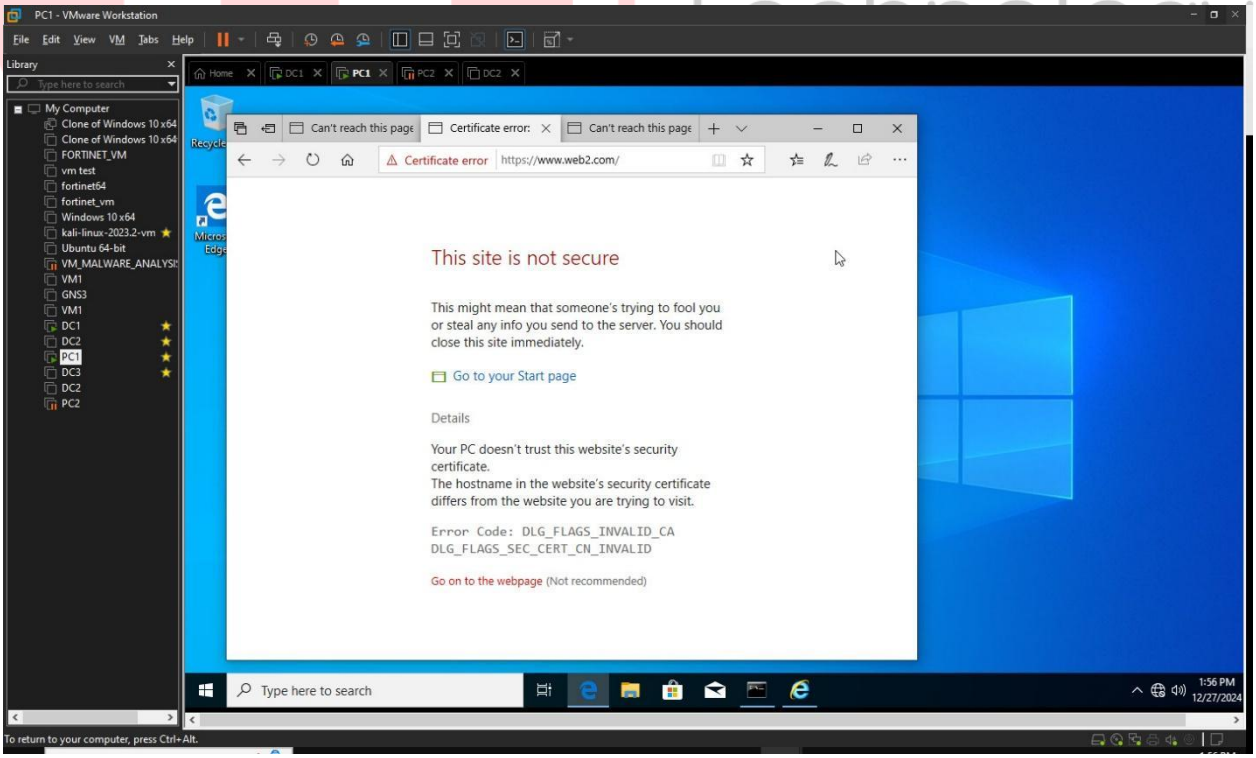

DC1 - VMware Workstation
Add Website
Site name: web2
Application pool: web2
Content Directory
Physical path: C:\mywebsites\web2
Pass-through authentication
Connect as... Test Settings...
Binding
Type: https
IP address: All Unassigned
Port: 443
Host name: www.web2.com
Require Server Name Indication
Disable TLS 1.3 over TCP
Disable QUIC
Disable Legacy TLS
Disable HTTP/2
Disable OCSP Stapling
SSL certificate: web2cer
Select... View...
Start Website immediately
OK Cancel
Actions
Import...
Create Certificate Request...
Complete Certificate Request...
Create Domain Certificate...
Create Self-Signed Certificate...
View...
Export...
Remove
Enable Automatic Rebind of Renewed Certificate
Help
Ready
Type here to search
1:33 PM
12/27/2024
To direct input to this VM, move the mouse pointer inside or press Ctrl+G.


PC1 - VMware Workstation
Command Prompt - nslookup
(c) 2019 Microsoft Corporation. All rights reserved.
C:\Users\user6>nslookup
DNS request timed out.
timeout was 2 seconds.
Default Server: UnKnown
Address: 10.10.10.1
> 10.10.10.1
Server: UnKnown
Address: 10.10.10.1
DNS request timed out.
timeout was 2 seconds.
*** Request to UnKnown timed-out
> www.web1.com
Server: UnKnown
Address: 10.10.10.1
Name: www.web1.com
Address: 10.10.10.1
> www.web2.com
Server: UnKnown
Address: 10.10.10.1
Name: www.web2.com
Address: 10.10.10.1
http://www.web1.com/
web1.com
web1
Recycle Bin
Microsoft Edge
Type here to search
1:53 PM
12/27/2024
To direct input to this VM, click inside or press Ctrl+G.

On user6:

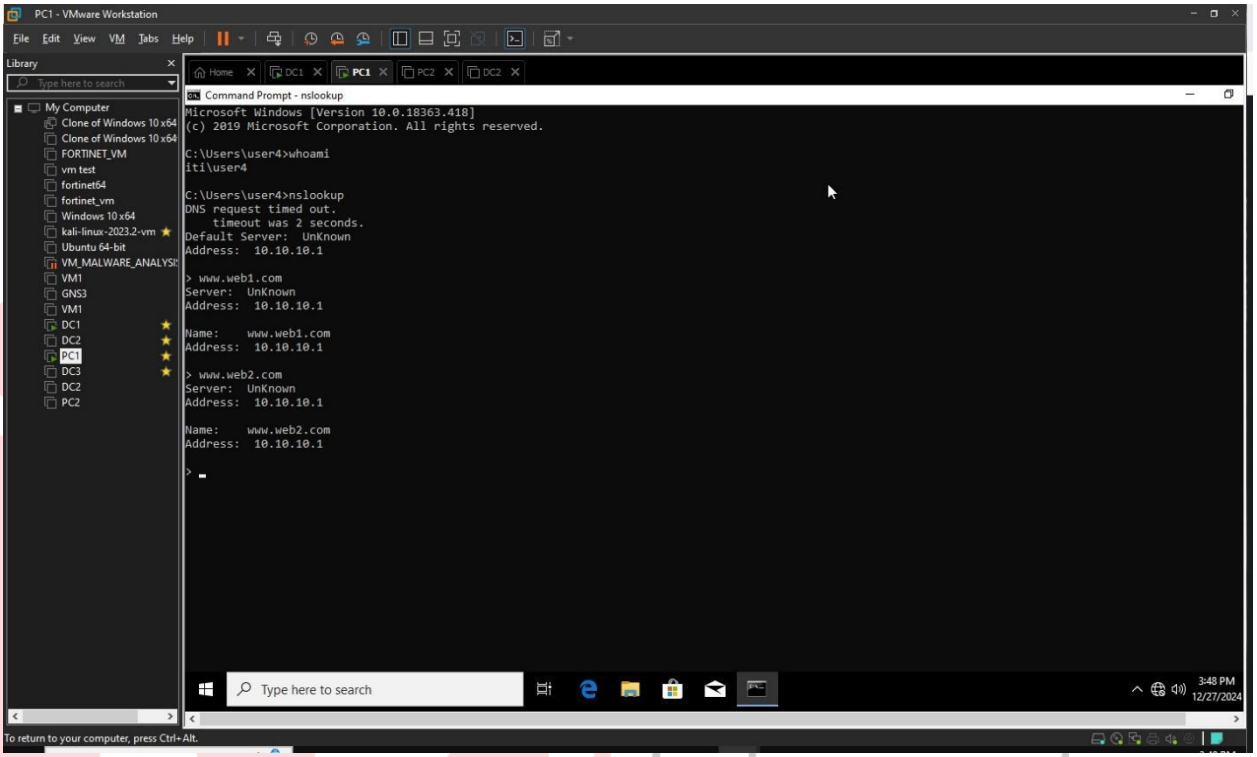
- Can browse https://www.web2.com from the local DNS in Alex.ITI.LOCAL's secondary zone.

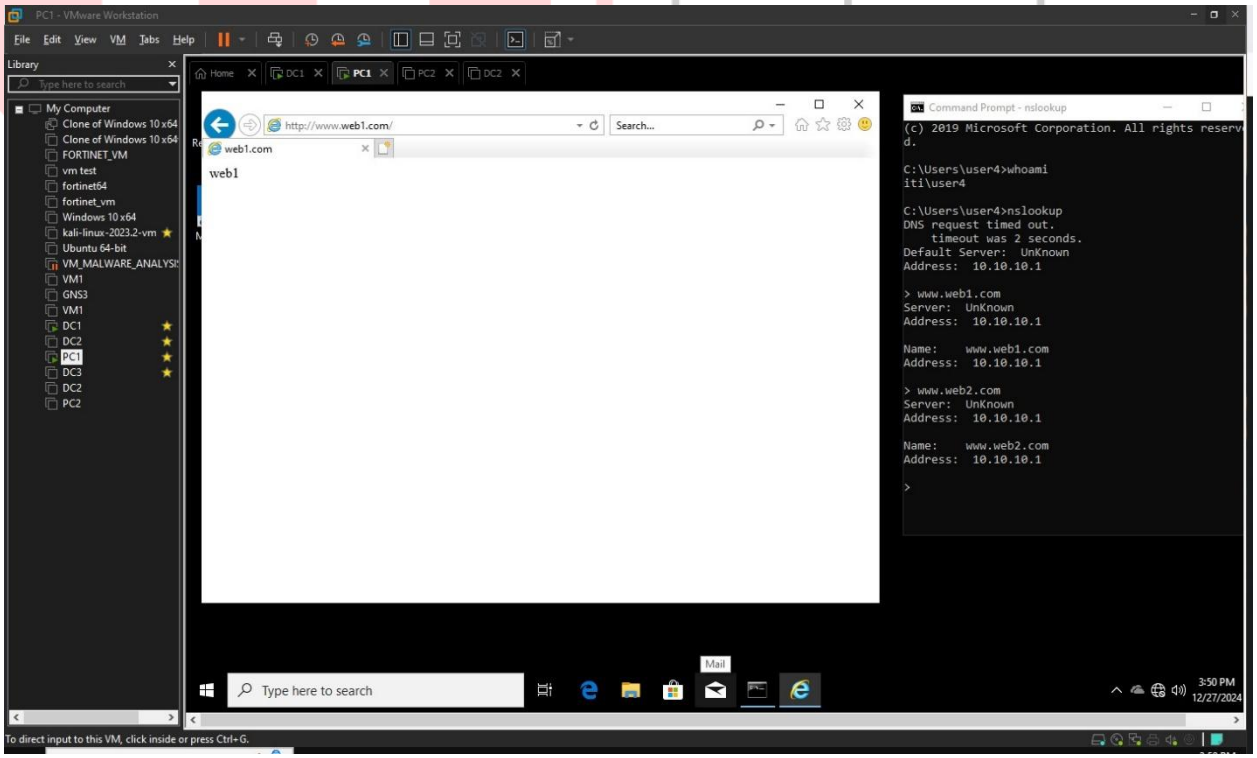




user4@ITI.LOCAL:

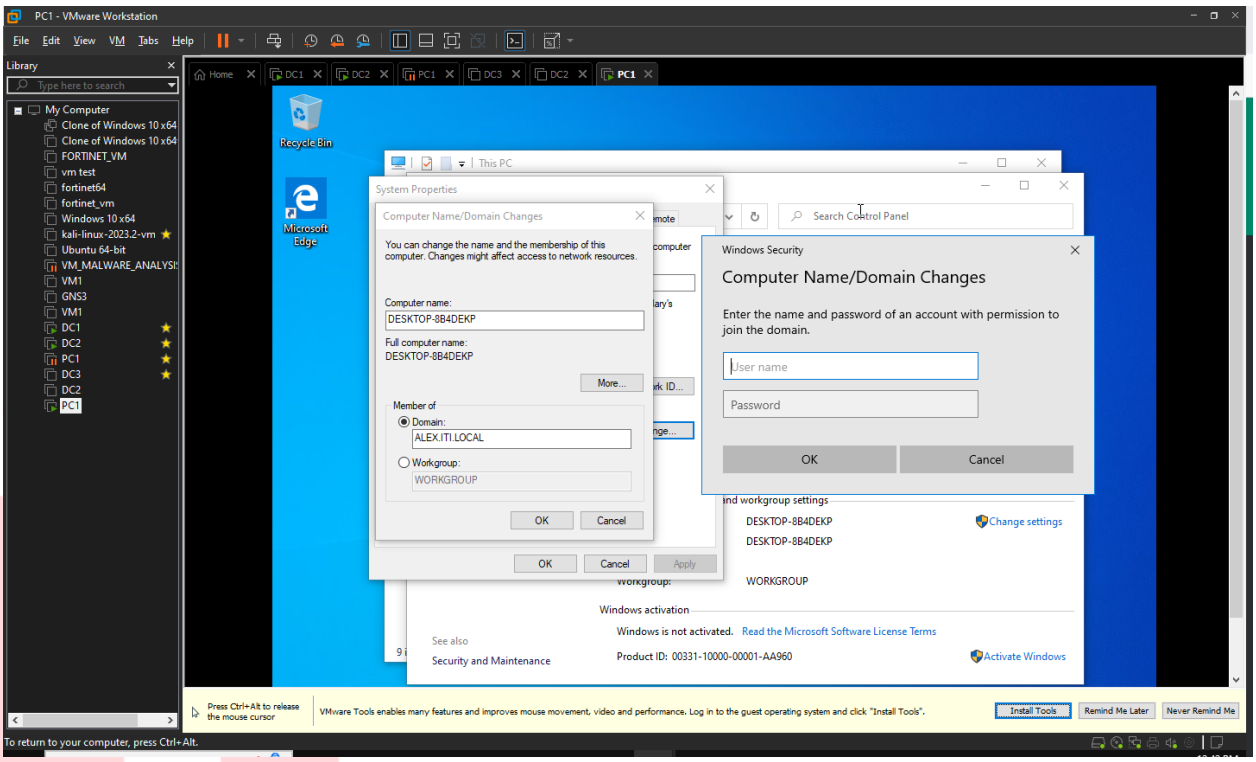
- Can browse http://www.web1.com from PC1 via DNS.
-

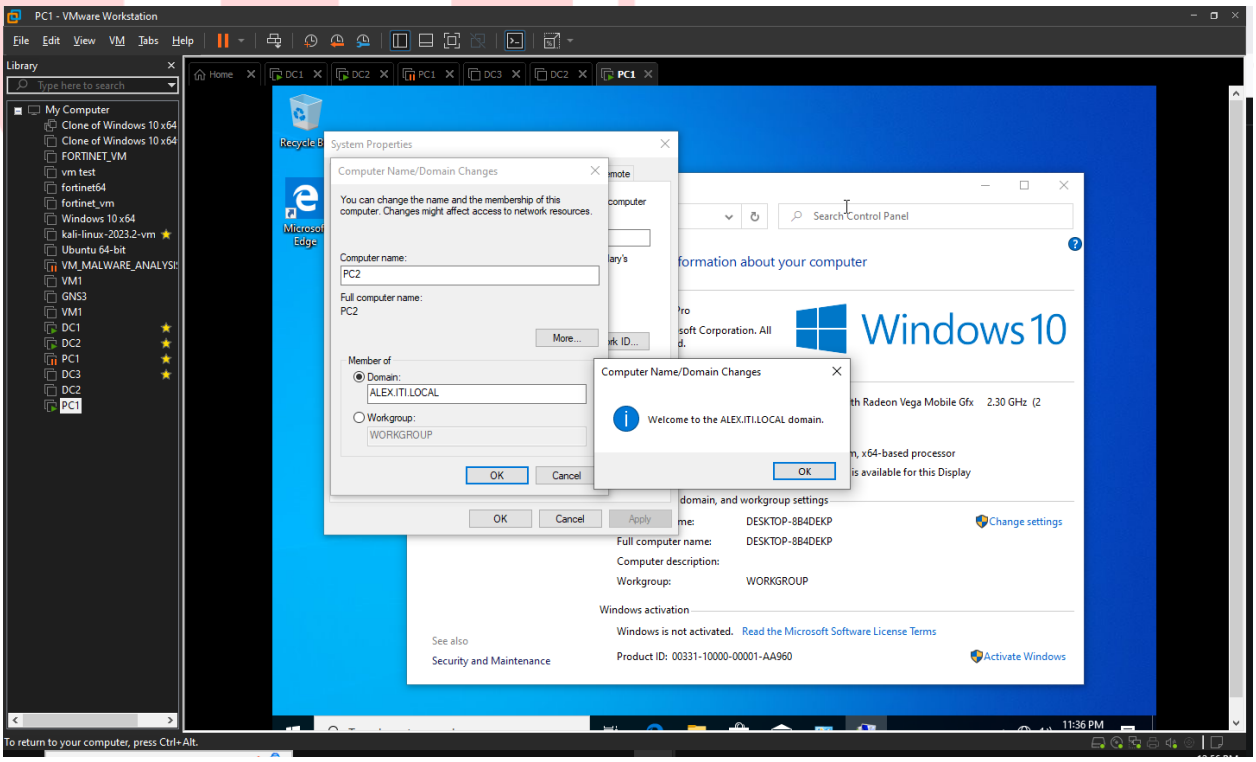




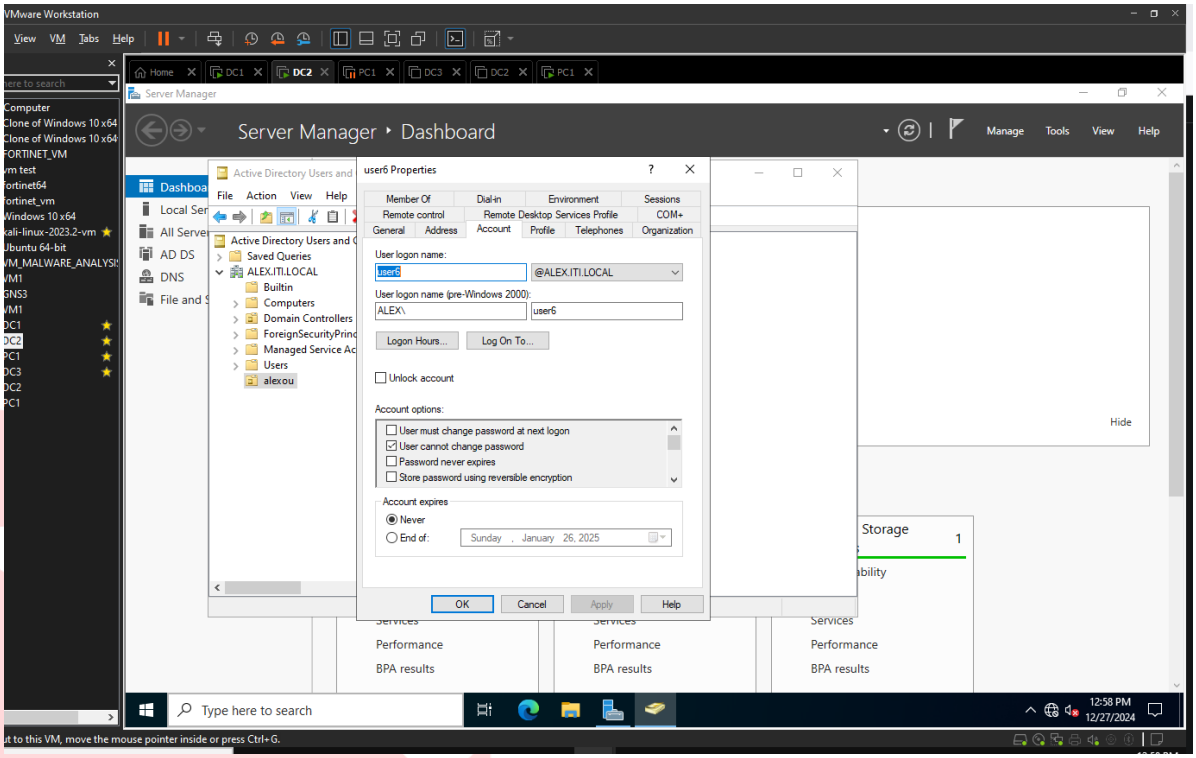
user6@Alex.ITI.LOCAL:

- PC2 joined to Alex.ITI.LOCAL domain





- Can log in to PC1 while in the Smart Village.



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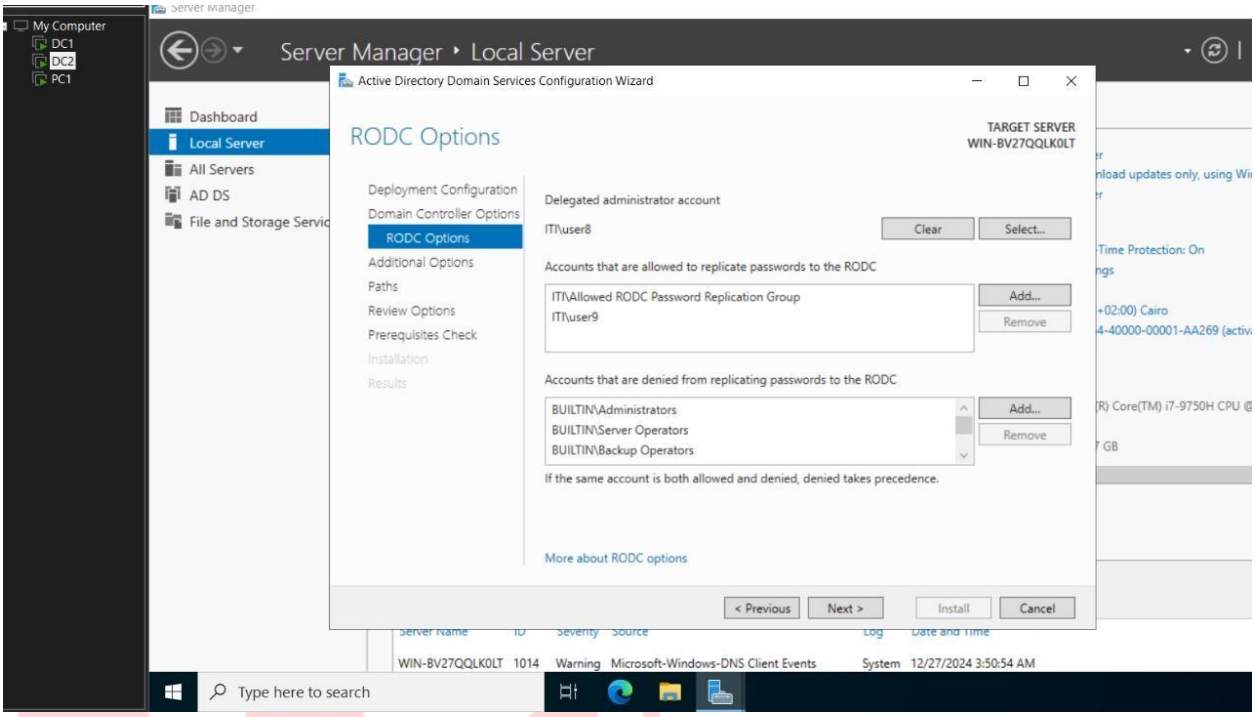
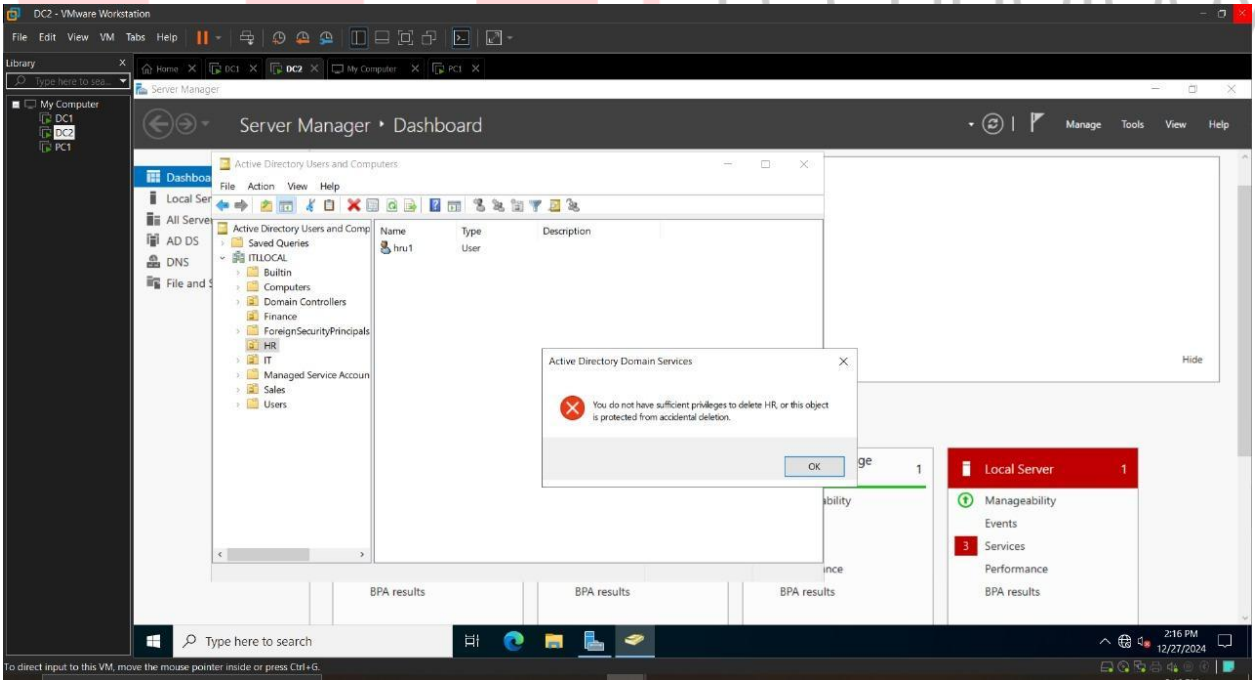
user8:

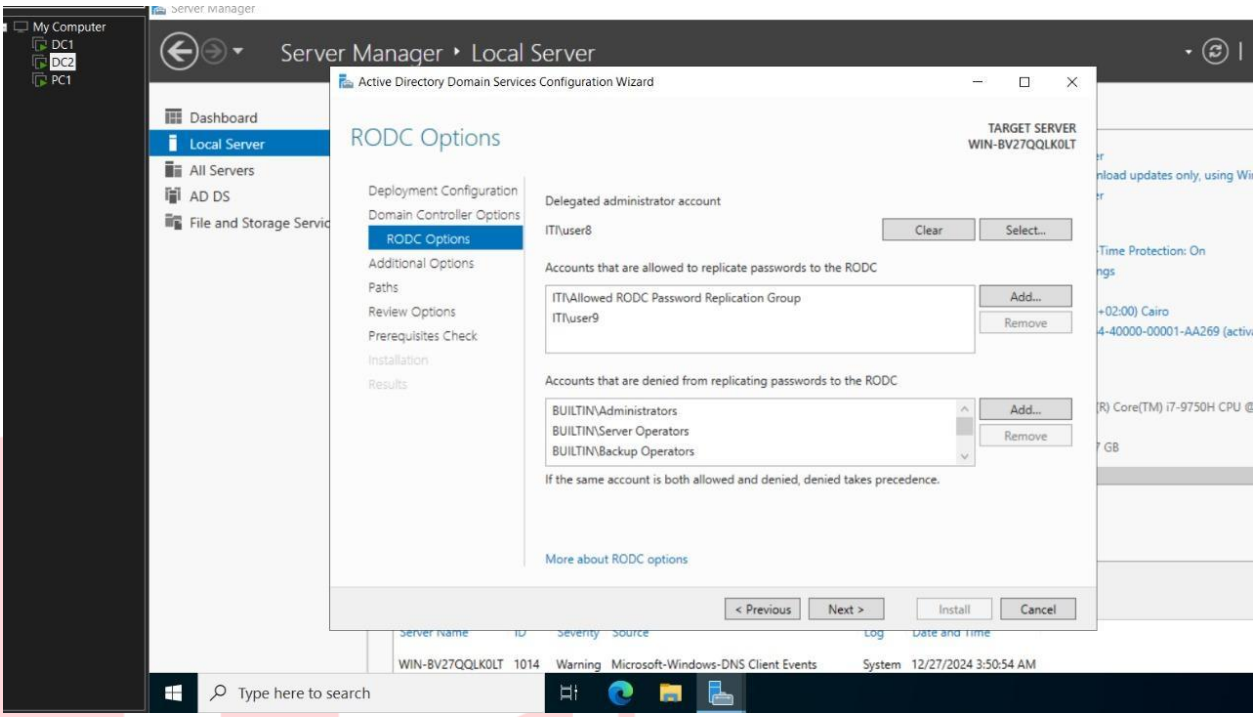
- Can log in only to RODIC.
- Cannot Delete users but can shut down RODIC.





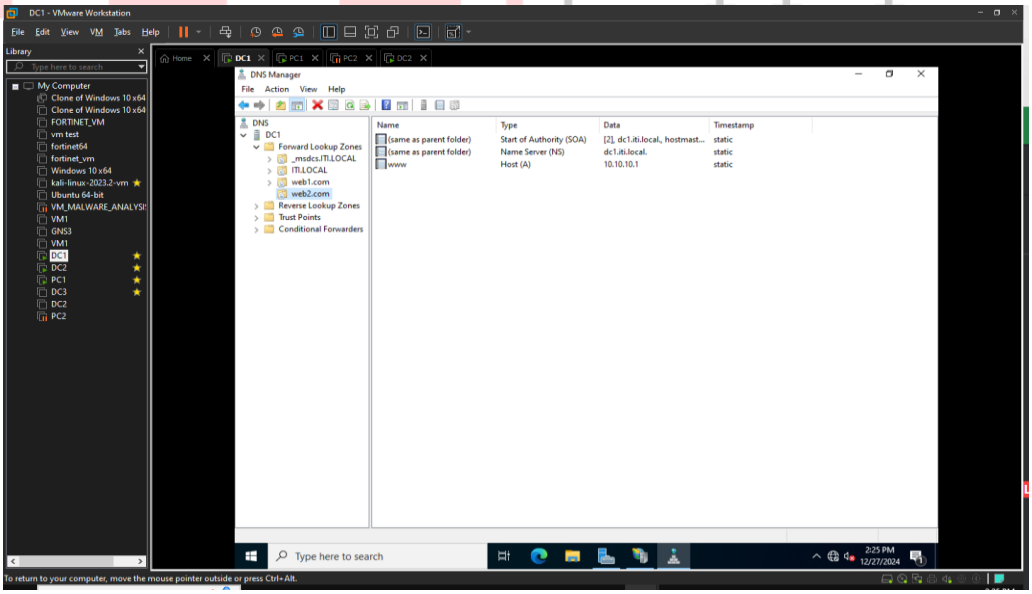
user9:

- Can log in to PC3.
- Can replicate his password to RODIC.

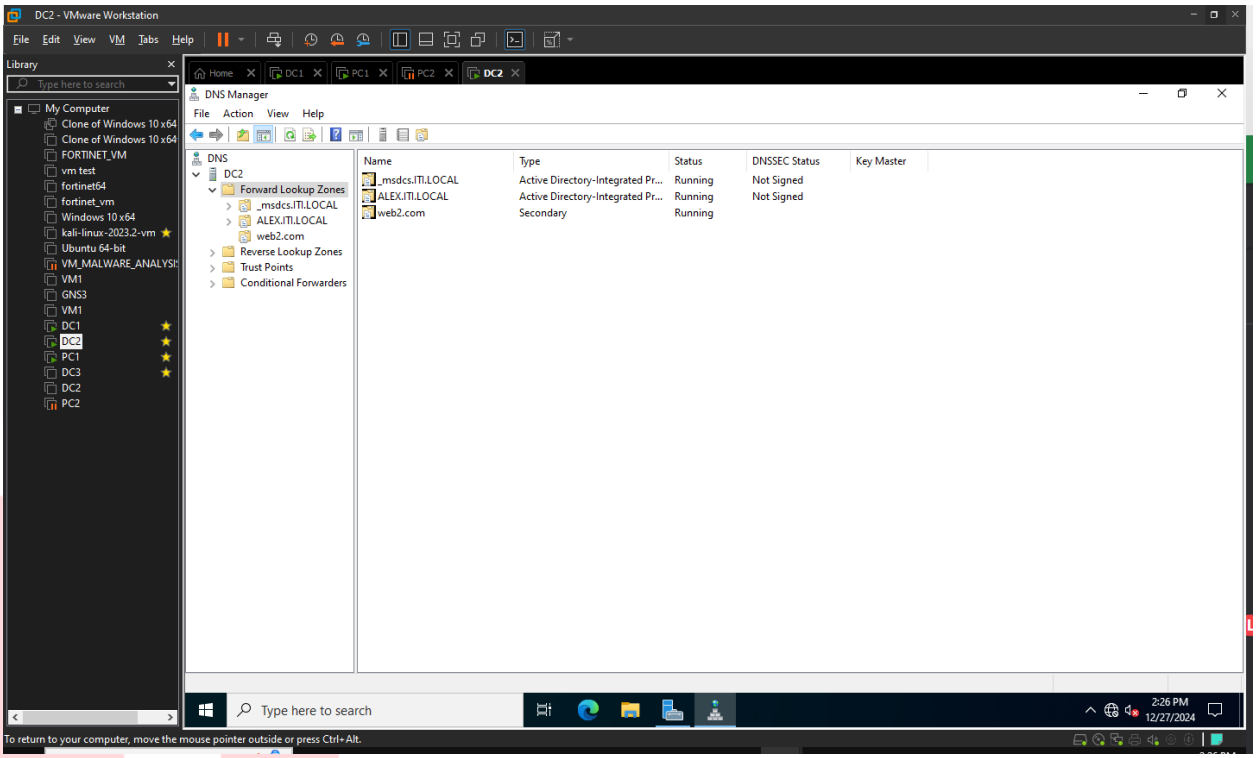


DNS Configurations

- **Primary DNS**:
  - DC1 serves ITI.LOCAL domain.



- **Secondary Zone**:
    - Alex.ITI.LOCAL DNS has a secondary zone for resolving www.web2.com.



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