



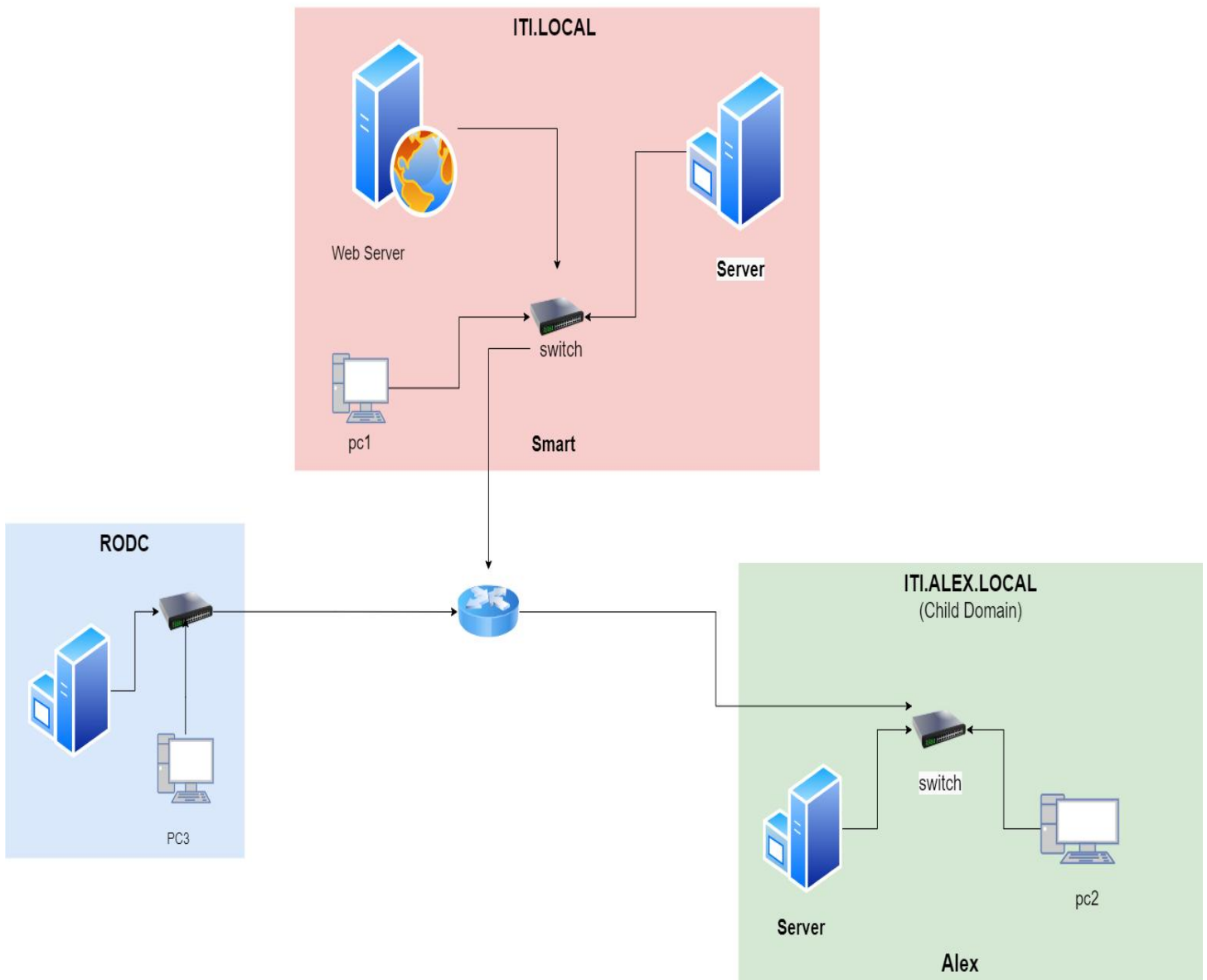
Windows Server Project

Supervisor: Eng/ Mohamed Abosehly

Team members:

- ✓ *Mazen Hamdy*
- ✓ *Mohamed Medhat*
- ✓ *Mark Zarif*
- ✓ *Ahmed Adel*
- ✓ *Mennatallah Adham*
- ✓ *Mohamed Ali*

Simulated Network Topology

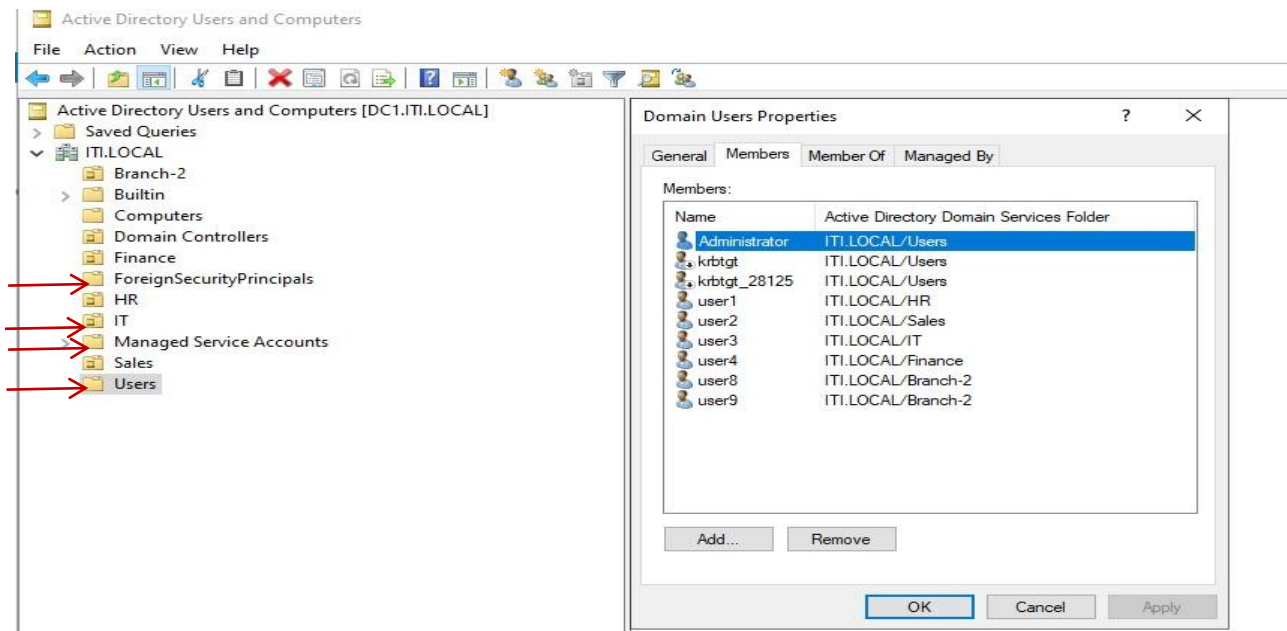


Name	IP configurations		users	config
DC1 (Domain Controller) ITI.LOCAL	IP	10.10.10.1	User1 User2 User3 User4 User8 User9	<ul style="list-style-type: none"> - user1 can't access his account on Friday - user2 can remote access to dc1 - Install WINRAR on pc3 desktop - user3 and user4 can't insert a flash 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	<ul style="list-style-type: none"> - 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		<ul style="list-style-type: none"> - 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		

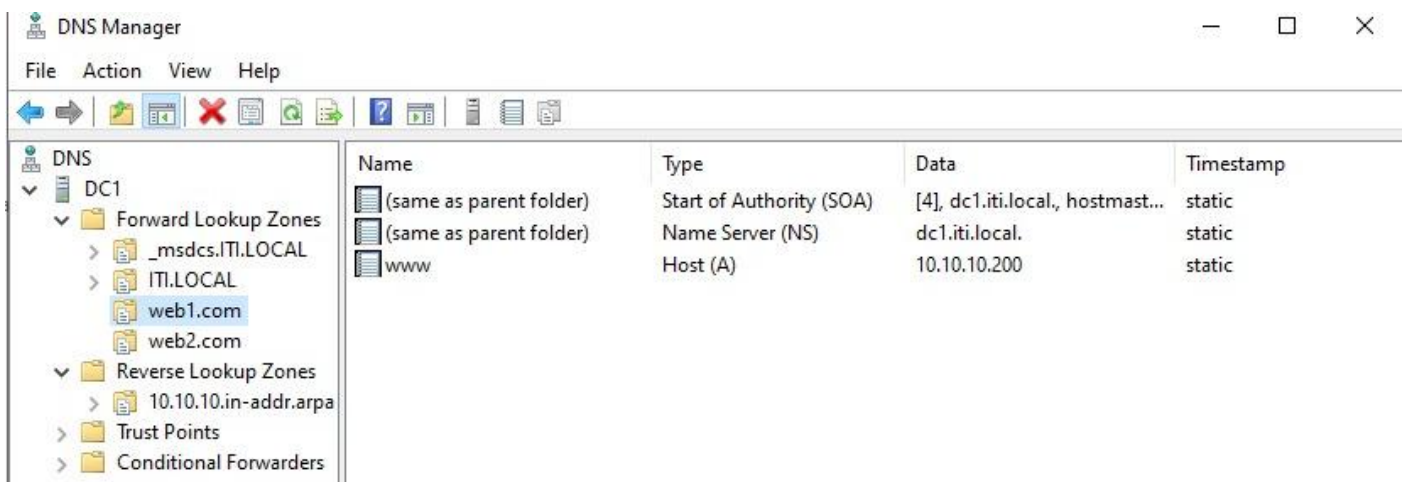
DC1 (Primary Domain Controller)



Creating the OUs and putting users' accounts inside of it



Showing the Primary DNS on DC1



DC2 (Alex Branch, Child Domain Controller)

Deployment Configuration TARGET SERVER
DC2

Deployment Configuration

Select the deployment operation

☐ Add a domain controller to an existing domain

☒ Add a new domain to an existing forest

☐ Add a new forest

Specify the domain information for this operation

Select domain type: Child Domain

Parent domain name: ITI.LOCAL

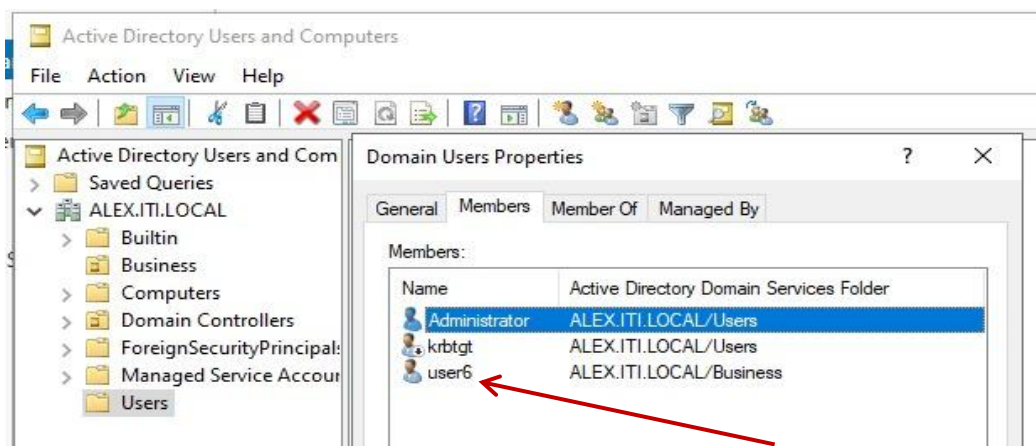
New domain name: ALEX

Supply the credentials to perform this operation

iti\administrator

Change...

Creating the OUs and putting users' accounts inside of it



Secondary DNS

DNS Manager

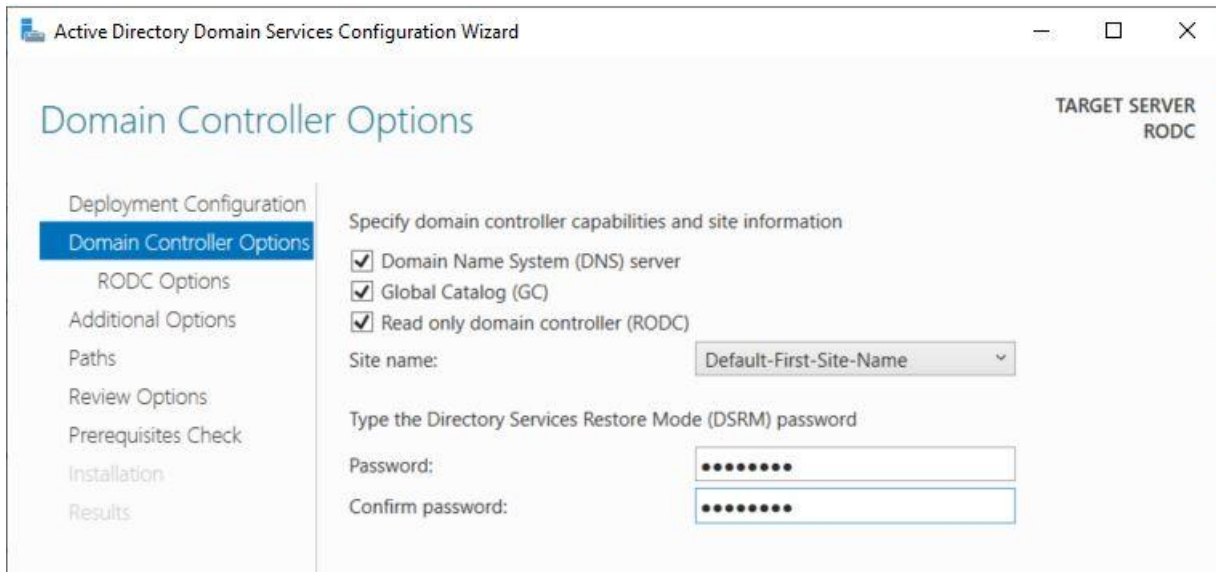
File Action View Help

DNS

- DC2
 - Forward Lookup Zones
 - _msdcs.ITI.LOCAL
 - ALEX.ITI.LOCAL
 - web2.com
 - Reverse Lookup Zones
 - Trust Points
 - Conditional Forwarders

Name	Type	Status	DNSSEC Status
_msdcs.ITI.LOCAL	Active Directory-Integrated Pr...	Running	Not Signed
ALEX.ITI.LOCAL	Active Directory-Integrated Pr...	Running	Not Signed
web2.com	Secondary	Running	

RODC



Active Directory Domain Services Configuration Wizard

Domain Controller Options

TARGET SERVER
RODC

Deployment Configuration

Domain Controller Options

RODC Options

Additional Options

Paths

Review Options

Prerequisites Check

Installation

Results

Specify domain controller capabilities and site information

☒ Domain Name System (DNS) server

☒ Global Catalog (GC)

☒ Read only domain controller (RODC)

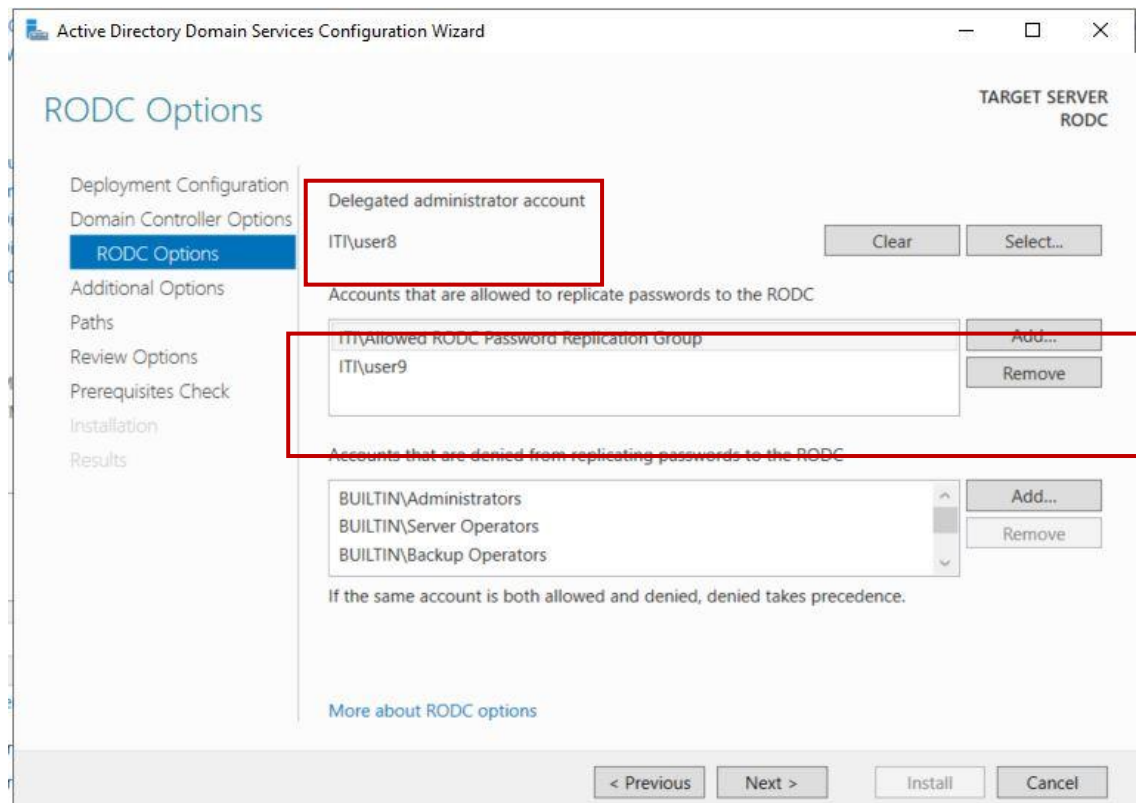
Site name: Default-First-Site-Name

Type the Directory Services Restore Mode (DSRM) password

Password:

Confirm password:

- Making user8 a delegated administrator on the RODC
- Caching user9 password on the RODC



Active Directory Domain Services Configuration Wizard

RODC Options

TARGET SERVER
RODC

Deployment Configuration

Domain Controller Options

RODC Options

Additional Options

Paths

Review Options

Prerequisites Check

Installation

Results

Delegated administrator account

ITI\user8

Clear

Select...

Accounts that are allowed to replicate passwords to the RODC

ITI\Allowed RODC Password Replication Group

ITI\user9

Add...

Remove

Accounts that are denied from replicating passwords to the RODC

BUILTIN\Administrators

BUILTIN\Server Operators

BUILTIN\Backup Operators

Add...

Remove

If the same account is both allowed and denied, denied takes precedence.

[More about RODC options](#)

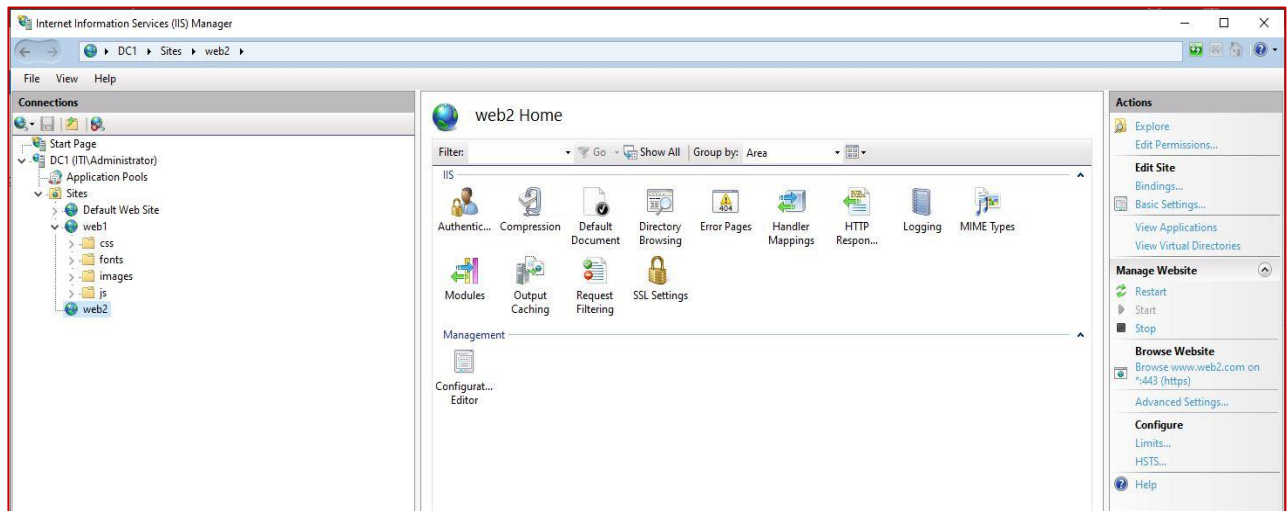
< Previous

Next >

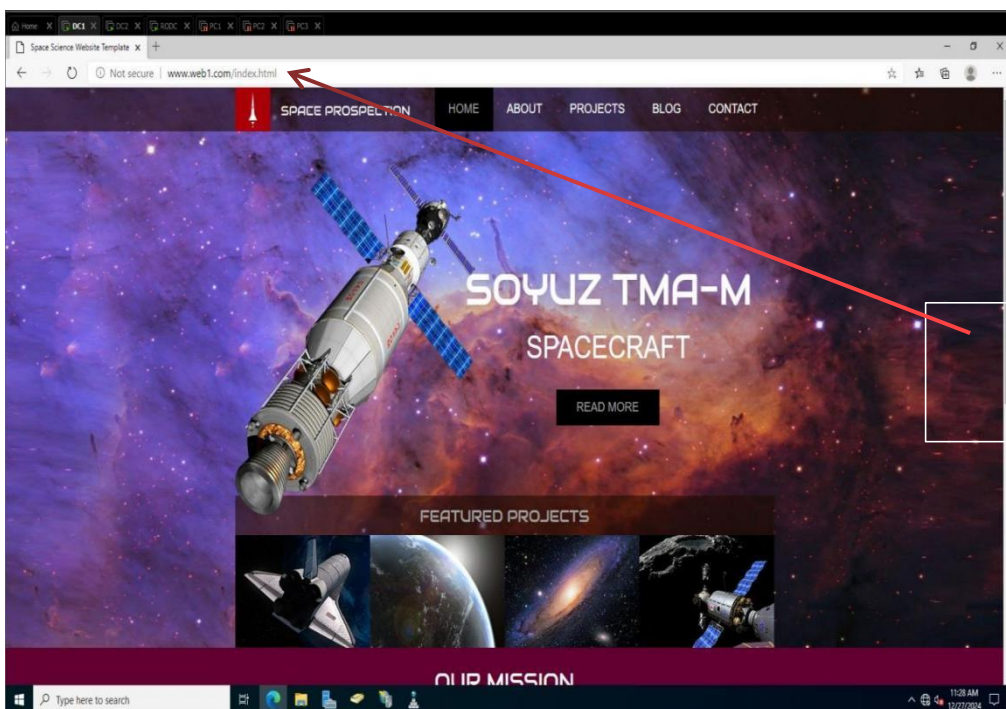
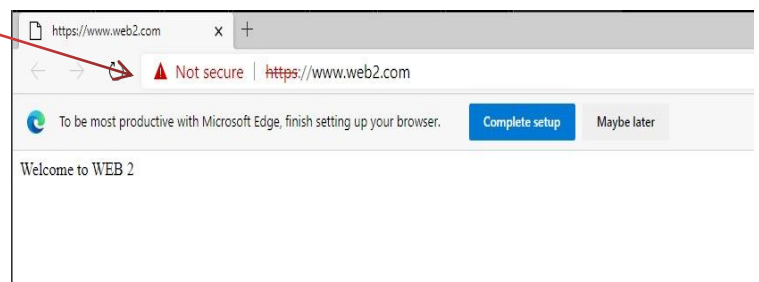
Install

Cancel

IIS web server

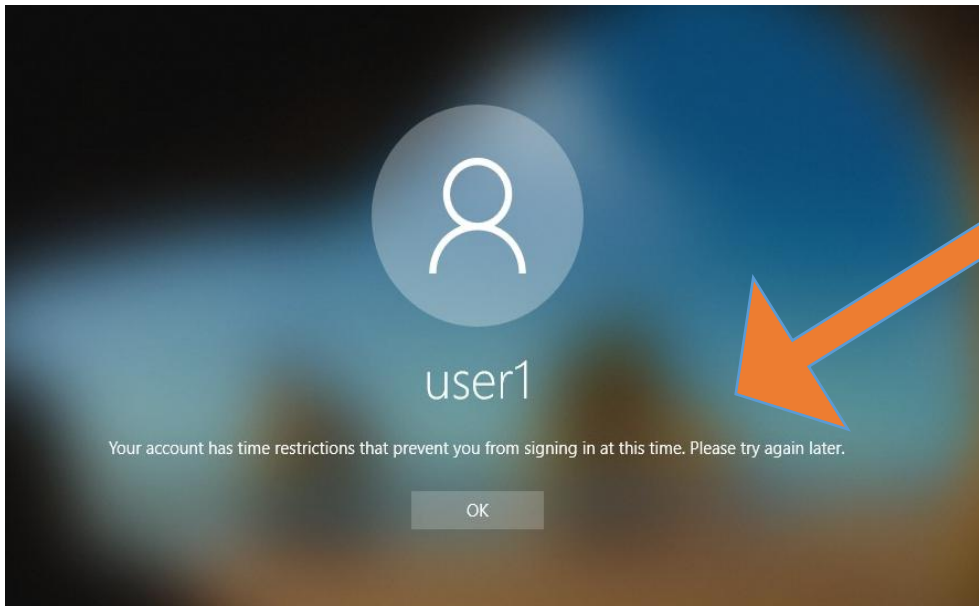


Accessing web2



Accessing web1

Deploying Group Policies

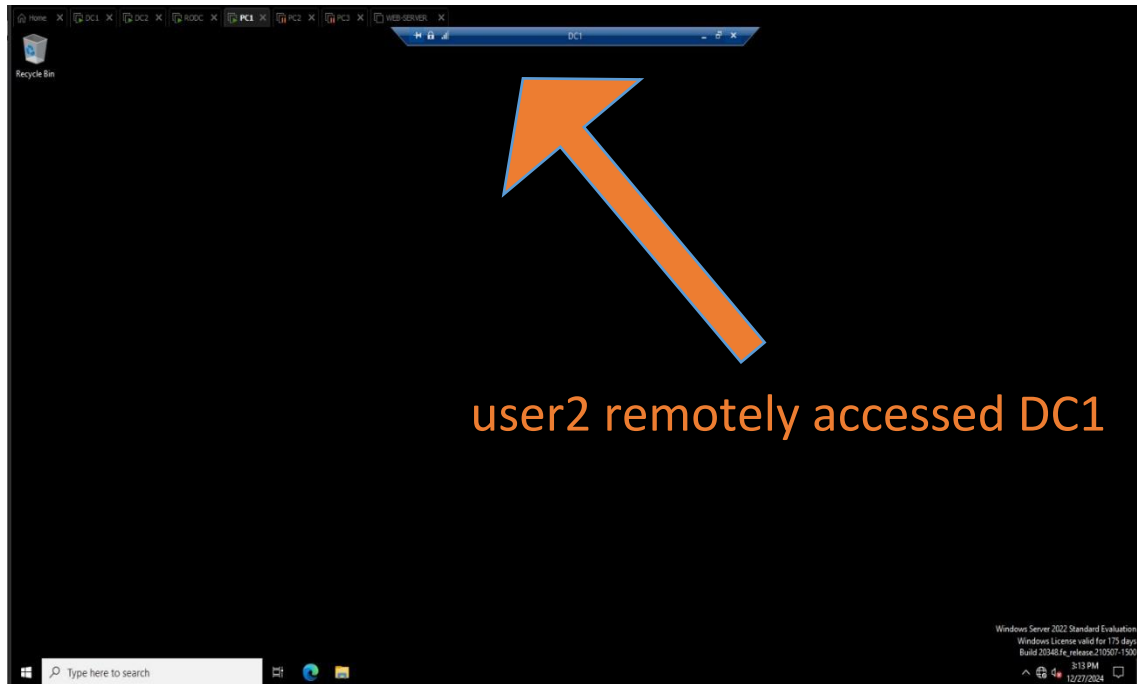


user1 can't access
his account on
Friday

This block contains three screenshots illustrating the configuration of Remote Desktop access:

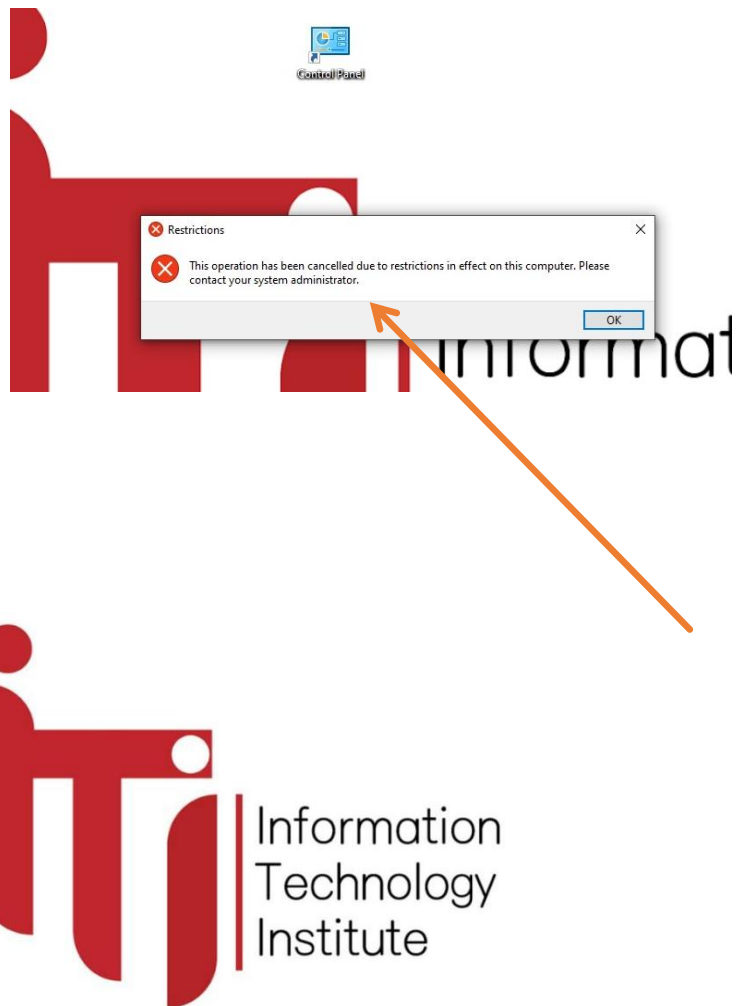
- System Properties - Remote tab:** Shows the 'Remote Desktop' section with the option 'Allow remote connections to this computer' selected. A red box highlights this option and the sub-option 'Allow connections only from computers running Remote Desktop with Network Level Authentication (recommended)'.
- Remote Desktop Users:** A dialog box showing the list of users who can connect. 'ITI\user2' is listed. Below the list, it states 'ITI\Administrator already has access.' Buttons for 'Add...' and 'Remove' are present. 'OK' and 'Cancel' buttons are at the bottom.
- Local Security Settings:** A window showing the 'Allow log on through Remote Desktop Services' policy. The policy is set to 'Everyone, Authenticated Users, LOCAL SERVICE, NETWORK SERVICE, Administrators, Account Operators, user2, Administrators'. A red box highlights the list of users. Below the list, there are 'Add User or Group...' and 'Remove' buttons.

user2 can remotely access
DC1 (despite he isn't an admin
in the domain)

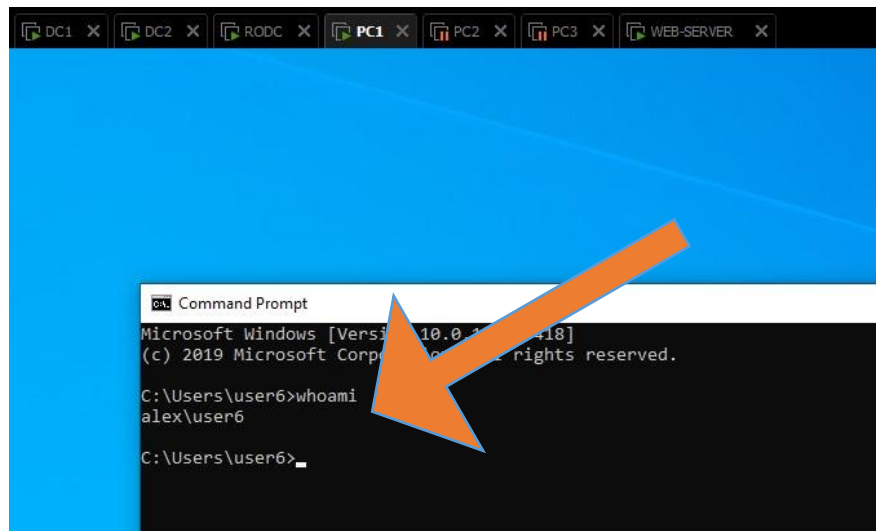


Three policies were applied on user 3 and user 4:

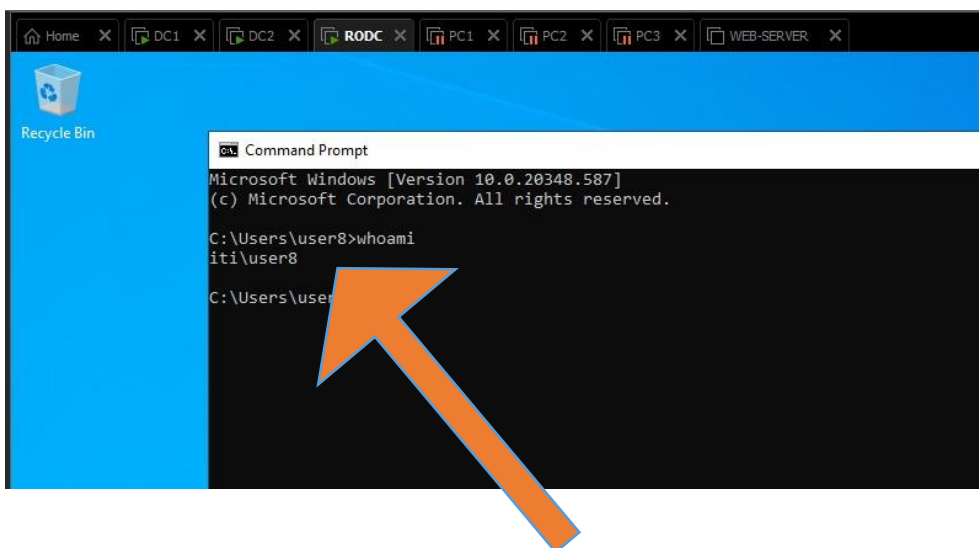
- 1- set the wallpaper to ITI logo
- 2- disable USB
- 3- Denying access to control panel



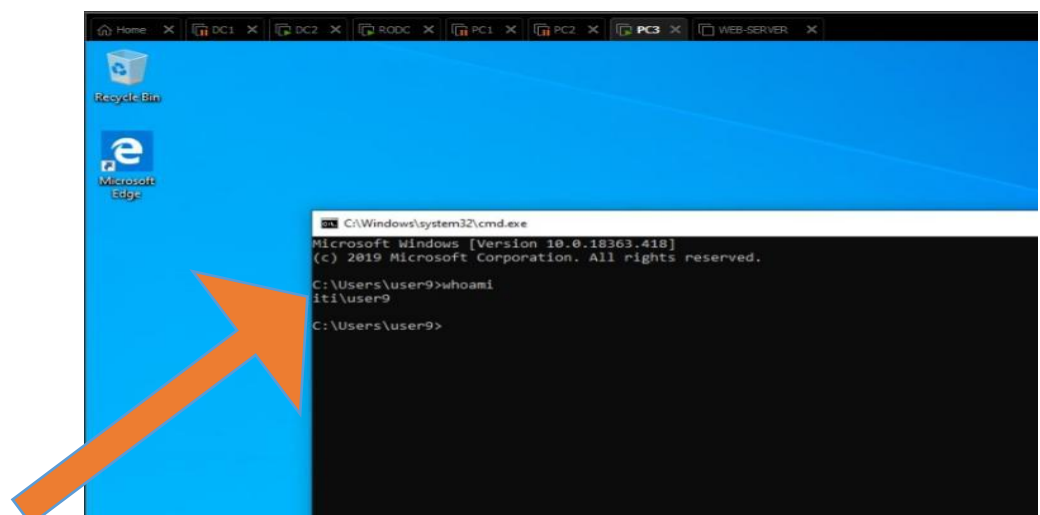
user 6 can login to pc1 in smart village



user8 can login read only on RODC server



user9 can login to pc3, replicate password to the RODC



Installing WINRAR on user3's desktop when singing in to his account

