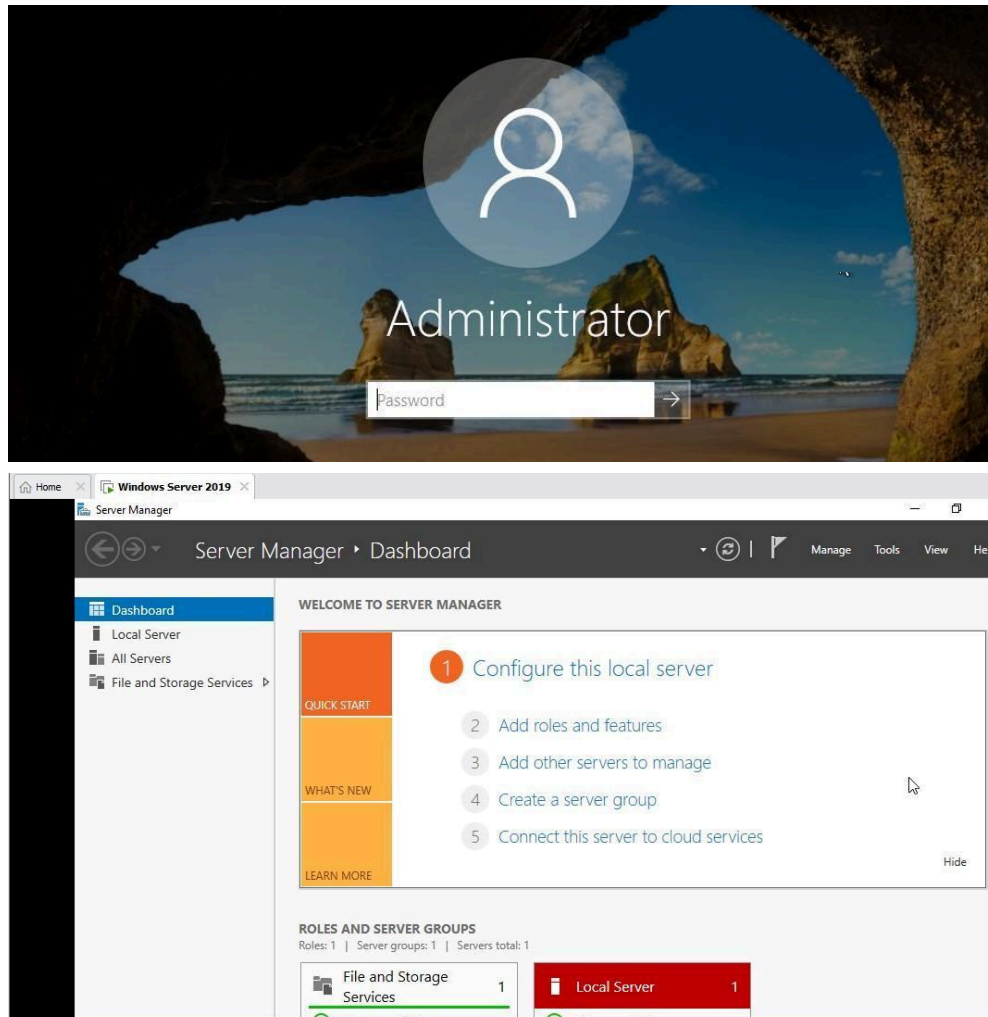
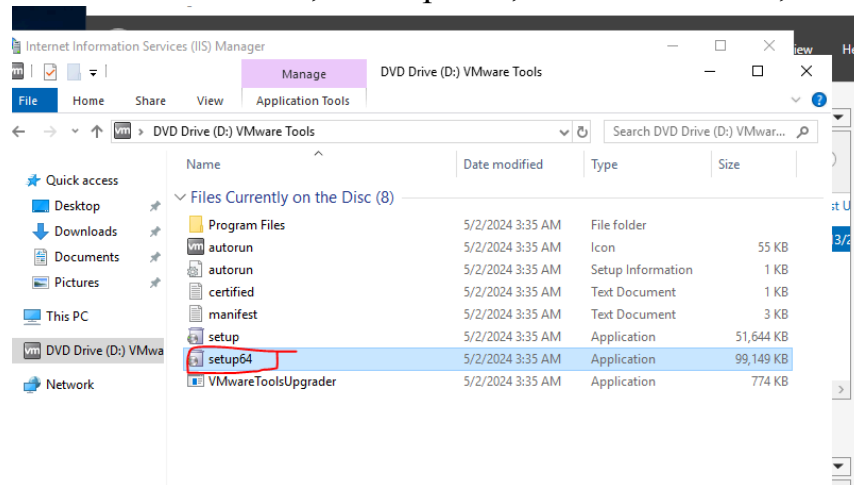
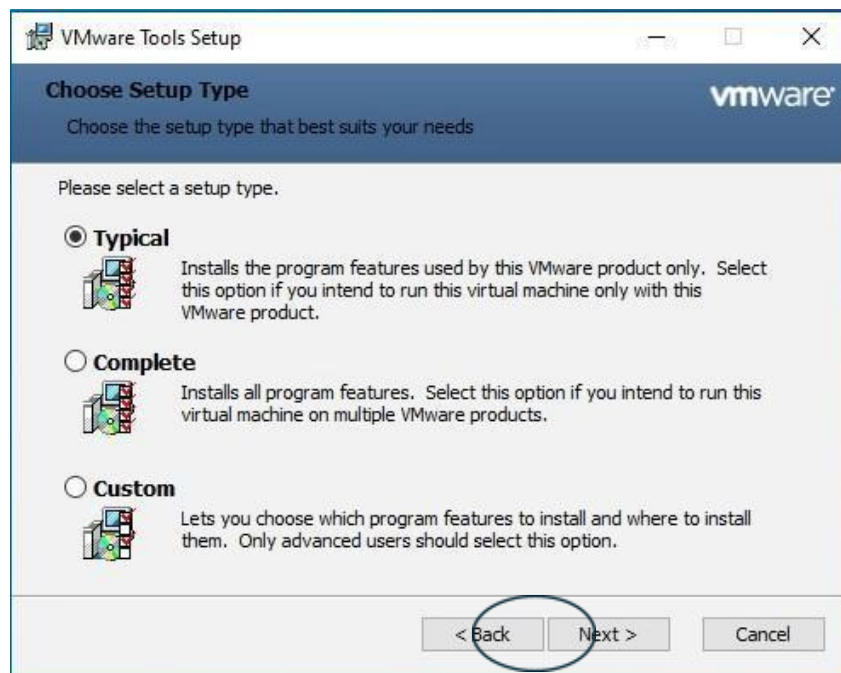
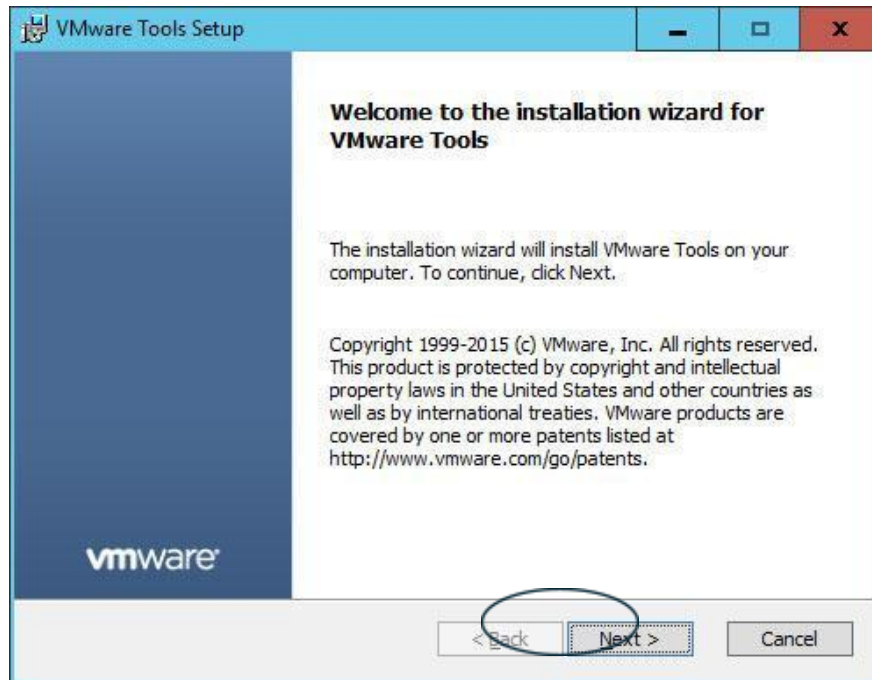


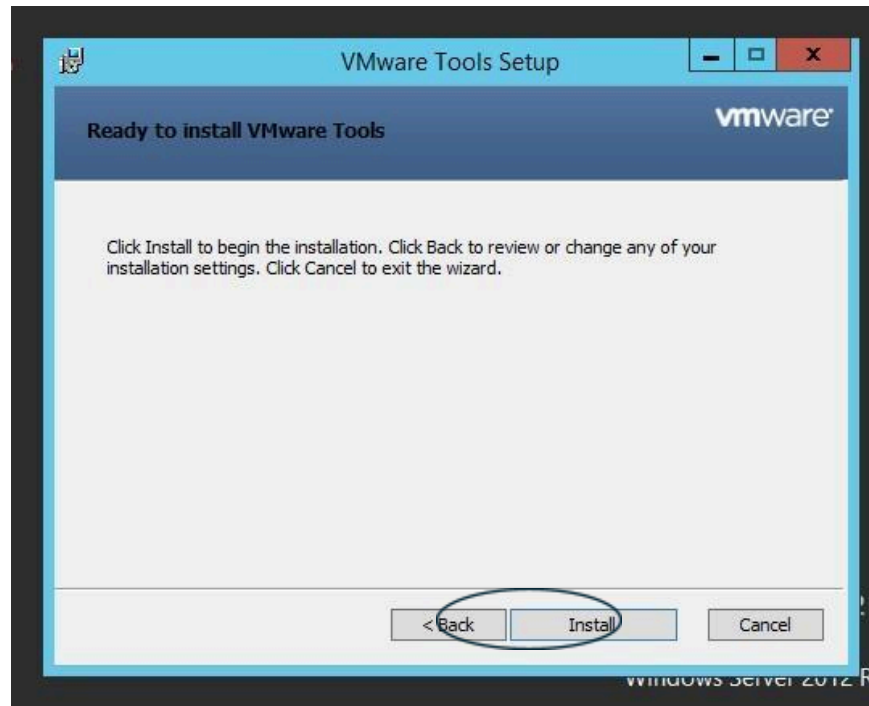
## Centralised user management with Windows server



click right on windows server 2019 , select install VMware tools -  
install VMware From: Start, file explorer, D:\vmware tools , setup -

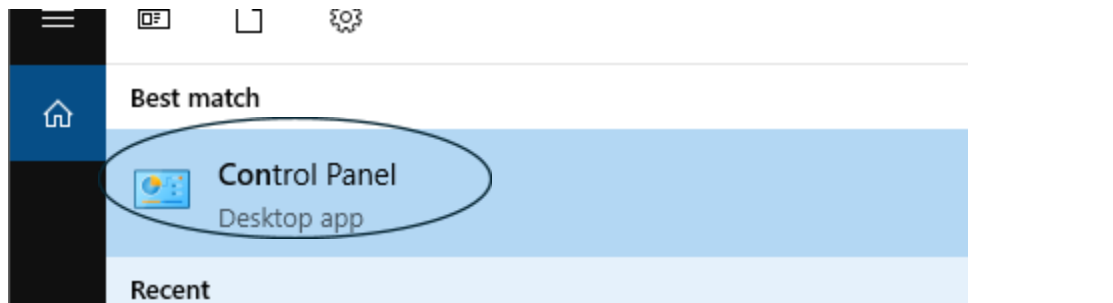






Then restart windows

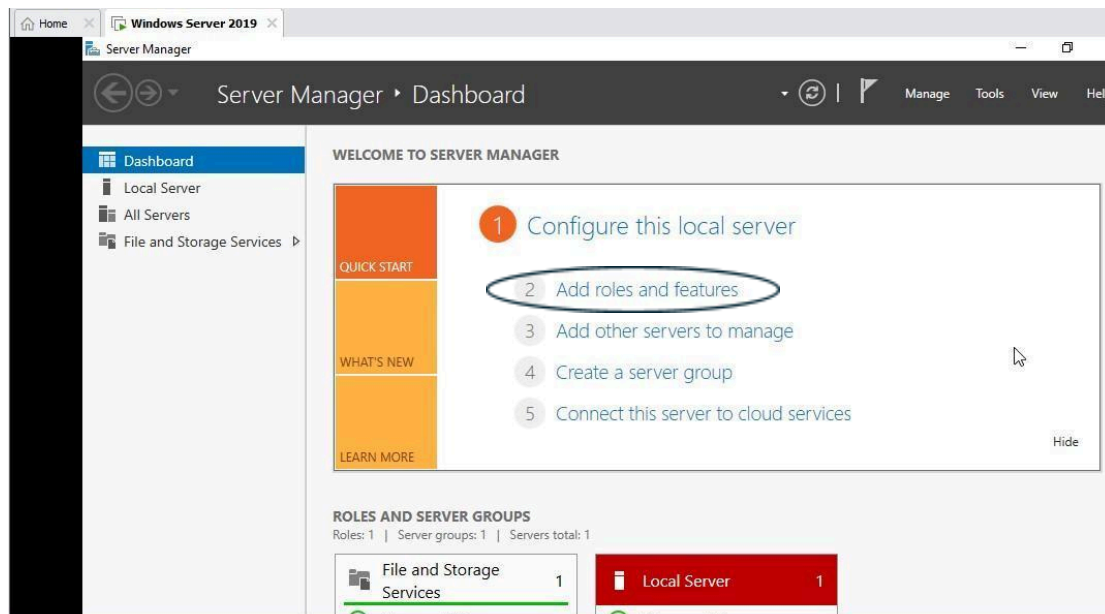
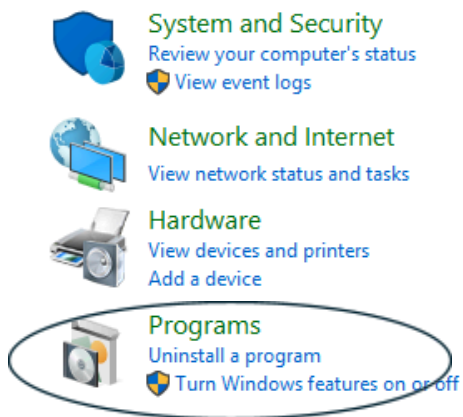
**Install IIS and web services •**



→ < ↑ > > Control Panel > | Search Control Panel

Adjust your computer's settings

View by: Category



Add Roles and Features Wizard

DESTINATION SERVER  
WIN-L6AT8RS82CC

## Select installation type

Before You Begin

**Installation Type**

Server Selection

Server Roles

Features

Confirmation

Results

Select the installation type. You can install roles and features on a running physical computer or virtual machine, or on an offline virtual hard disk (VHD).

- ☒ **Role-based or feature-based installation**  
Configure a single server by adding roles, role services, and features.
- ☐ **Remote Desktop Services installation**  
Install required role services for Virtual Desktop Infrastructure (VDI) to create a virtual machine-based or session-based desktop deployment.

< Previous   **Next >**   Install   Cancel

Add Roles and Features Wizard

DESTINATION SERVER  
WIN-L6AT8RS82CC

## Select destination server

Before You Begin

Installation Type

**Server Selection**

Server Roles

Features

Confirmation

Results

Select a server or a virtual hard disk on which to install roles and features.

- ☒ Select a server from the server pool
- ☐ Select a virtual hard disk

Server Pool

Filter:

Name	IP Address	Operating System
WIN-L6AT8RS82CC	192.168.253.128	Microsoft Windows Server 2019 Standard Evaluation

1 Computer(s) found

This page shows servers that are running Windows Server 2012 or a newer release of Windows Server, and that have been added by using the Add Servers command in Server Manager. Offline servers and newly-added servers from which data collection is still incomplete are not shown.

< Previous   **Next >**   Install   Cancel

## Select server roles

DESTINATION SERVER  
EC2AMAZ-G8GIFA5.techwave.local

Before You Begin

Installation Type

Server Selection

Server Roles

Features

Confirmation

Results

Select one or more roles to install on the selected server.

## Roles

- ☐ Active Directory Certificate Services
- ☒ Active Directory Domain Services (Installed)
- ☐ Active Directory Federation Services
- ☐ Active Directory Lightweight Directory Services
- ☐ Active Directory Rights Management Services
- ☐ Device Health Attestation
- ☐ DHCP Server
- ☒ DNS Server (Installed)
- ☐ Fax Server
- ☒ File and Storage Services (2 of 12 installed)
- ☐ Host Guardian Service
- ☐ Hyper-V
- ☐ Network Controller
- ☐ Network Policy and Access Services
- ☐ Print and Document Services
- ☐ Remote Access
- ☐ Remote Desktop Services
- ☐ Volume Activation Services
- ☐ Web Server (IIS)
- ☐ Windows Deployment Services

## Description

Web Server (IIS) provides a reliable, manageable, and scalable Web application infrastructure.

&lt; Previous

Next &gt;

Install

Cancel



## Add features that are required for Web Server (IIS)?

The following tools are required to manage this feature, but do not have to be installed on the same server.

- Web Server (IIS)
  - Management Tools
    - [Tools] IIS Management Console

☒ Include management tools (if applicable)

Add Features

Cancel

Before You Begin

Installation Type

Server Selection

Server Roles

Features

Web Server Role (IIS)

Role Services

Confirmation

Results

Select one or more roles to install on the selected server.

### Roles

- ☐ Active Directory Certificate Services
- ☒ Active Directory Domain Services (Installed)
- ☐ Active Directory Federation Services
- ☐ Active Directory Lightweight Directory Services
- ☐ Active Directory Rights Management Services
- ☐ Device Health Attestation
- ☐ DHCP Server
- ☒ DNS Server (Installed)
- ☐ Fax Server
- ☒ File and Storage Services (2 of 12 installed)
- ☐ Host Guardian Service
- ☐ Hyper-V
- ☐ Network Controller
- ☐ Network Policy and Access Services
- ☐ Print and Document Services
- ☐ Remote Access
- ☐ Remote Desktop Services
- ☐ Volume Activation Services
- ☒ Web Server (IIS)
- ☐ Windows Deployment Services

### Description

Web Server (IIS) provides a reliable, manageable, and scalable Web application infrastructure.

< Previous

Next >

Install

Cancel

# Confirm installation selections

DESTINATION SERVER  
EC2AMAZ-G8GIFA5.techwave.local

Before You Begin

Installation Type

Server Selection

Server Roles

Features

Web Server Role (IIS)

Role Services

Confirmation

Results

To install the following roles, role services, or features on selected server, click Install.

☐ Restart the destination server automatically if required

Optional features (such as administration tools) might be displayed on this page because they have been selected automatically. If you do not want to install these optional features, click Previous to clear their check boxes.

Web Server (IIS)

Management Tools

IIS Management Console

Web Server

Common HTTP Features

Default Document

Directory Browsing

HTTP Errors

Static Content

Health and Diagnostics

HTTP Logging

[Export configuration settings](#)  
[Specify an alternate source path](#)

< Previous

Next >

Install

Cancel

# Installation progress

DESTINATION SERVER  
EC2AMAZ-G8GIFA5.techwave.local

Before You Begin

Installation Type

Server Selection

Server Roles

Features

Web Server Role (IIS)

Role Services

Confirmation

Results

View installation progress

Feature installation

Installation succeeded on EC2AMAZ-G8GIFA5.techwave.local.

Web Server (IIS)

Management Tools

IIS Management Console

Web Server

Common HTTP Features

Default Document

Directory Browsing

HTTP Errors

Static Content

Health and Diagnostics

HTTP Logging

You can close this wizard without interrupting running tasks. View task progress or open this page again by clicking Notifications in the command bar, and then Task Details.

[Export configuration settings](#)

< Previous

Next >

Close

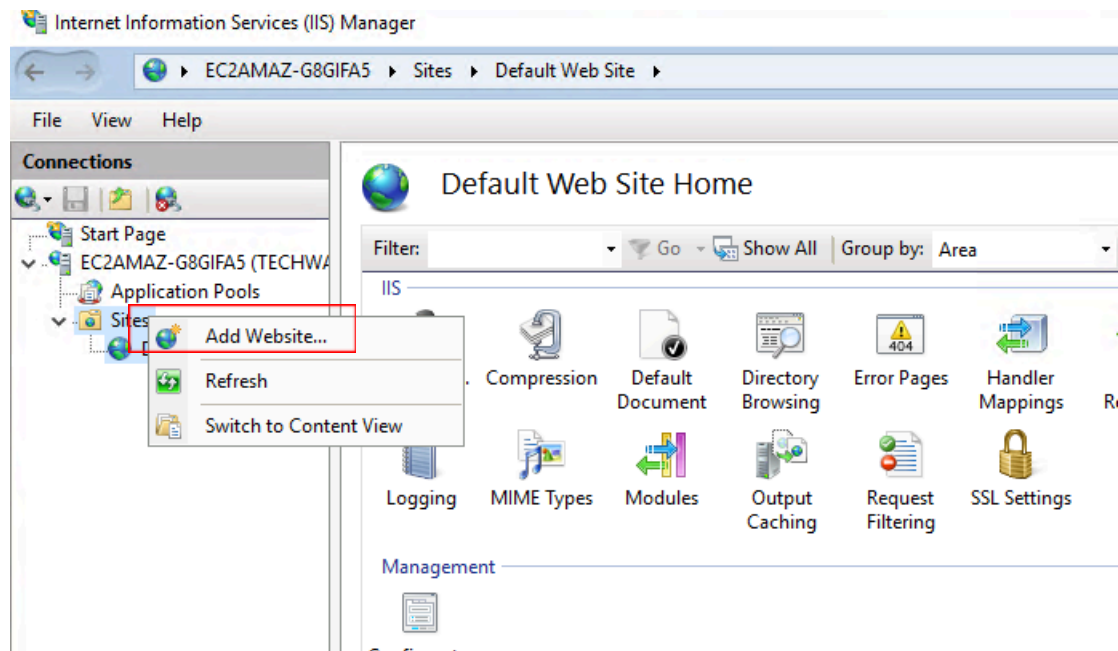
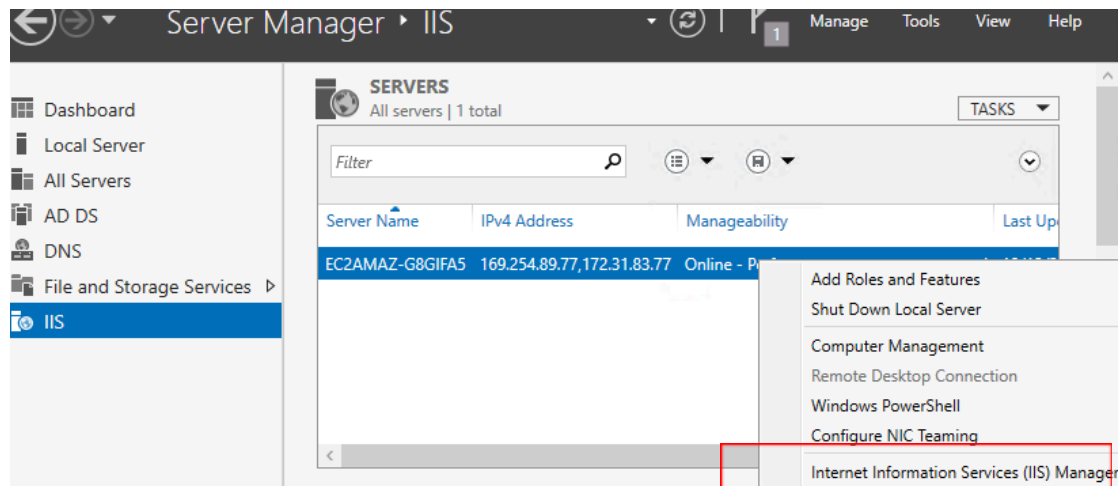
Cancel

**:Add website**

Site name: techwave

Port:8080





Add Website ? X

Site name: techwave Application pool: techwave Select...

Content Directory

Physical path: C:\inetpub ...

Pass-through authentication

Connect as... Test Settings...

Binding

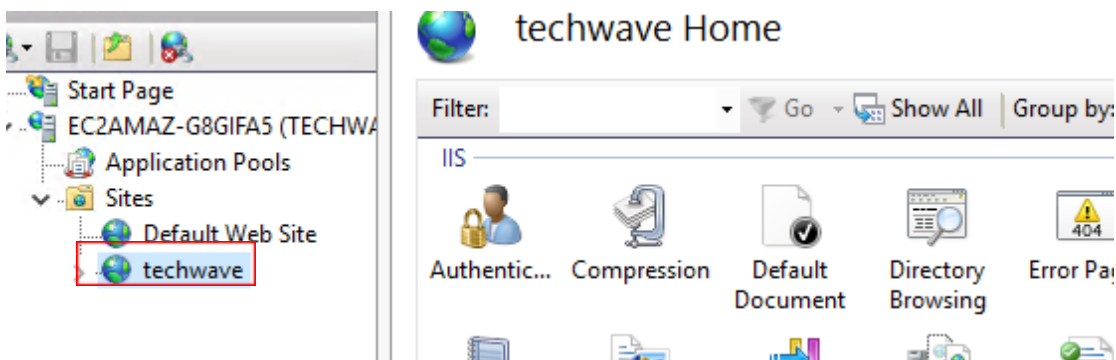
Type: http IP address: All Unassigned Port: 8080

Host name:

Example: www.contoso.com or marketing.contoso.com

☒ Start Website immediately

OK Cancel

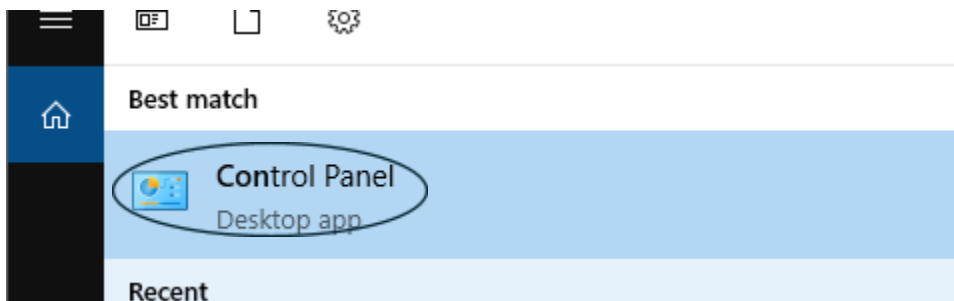


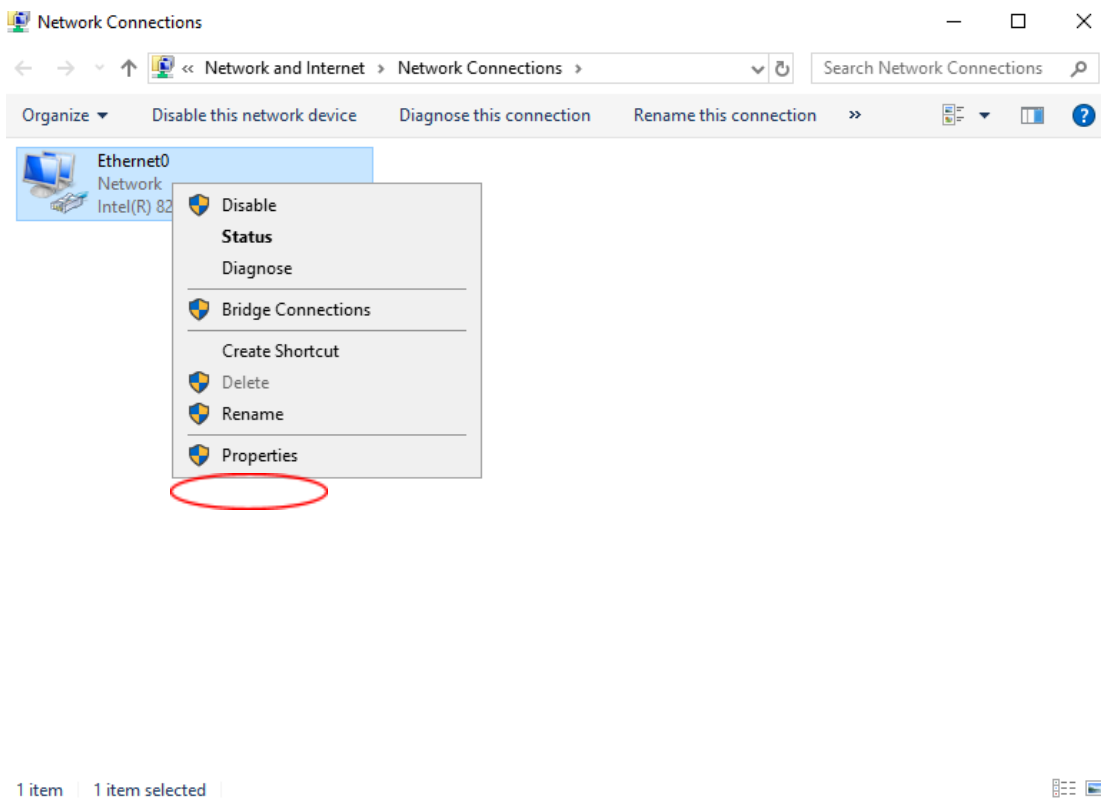
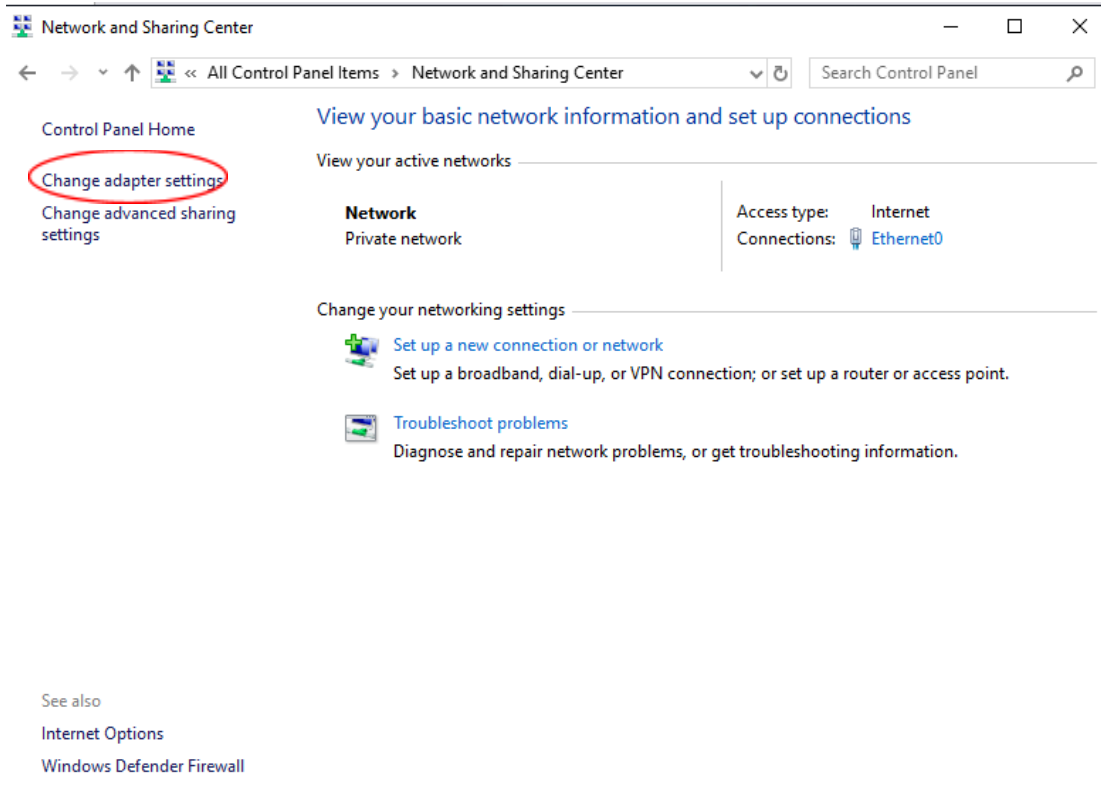
**Then open internet explorer and search about this web**

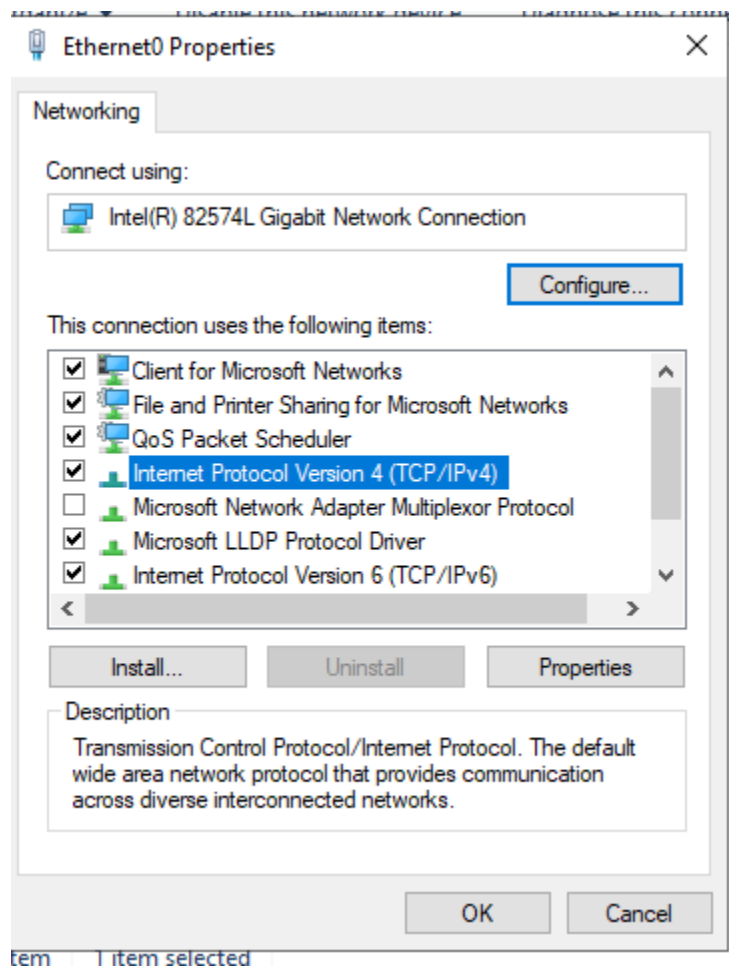


## :setup active Directory-

Open control panel, all control item then network and sharing center -

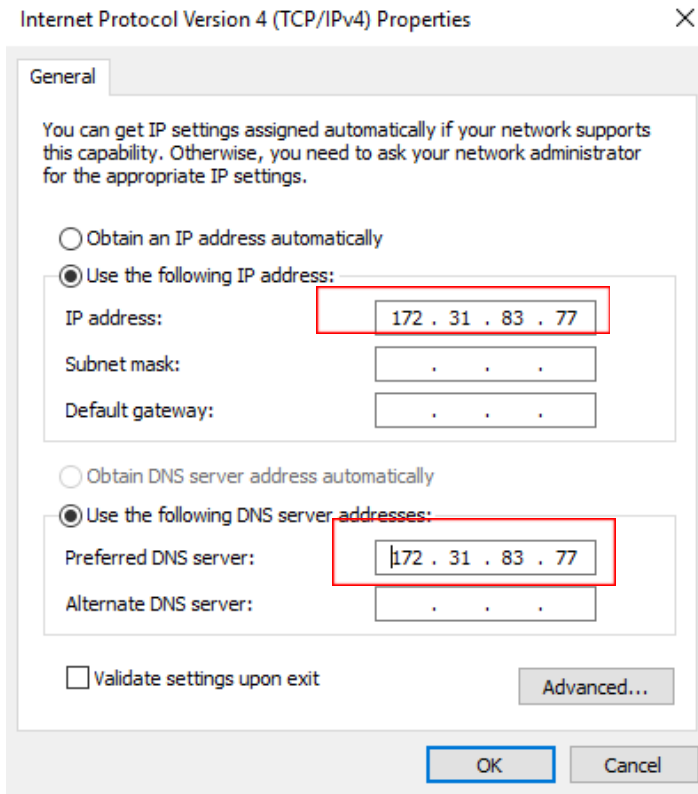




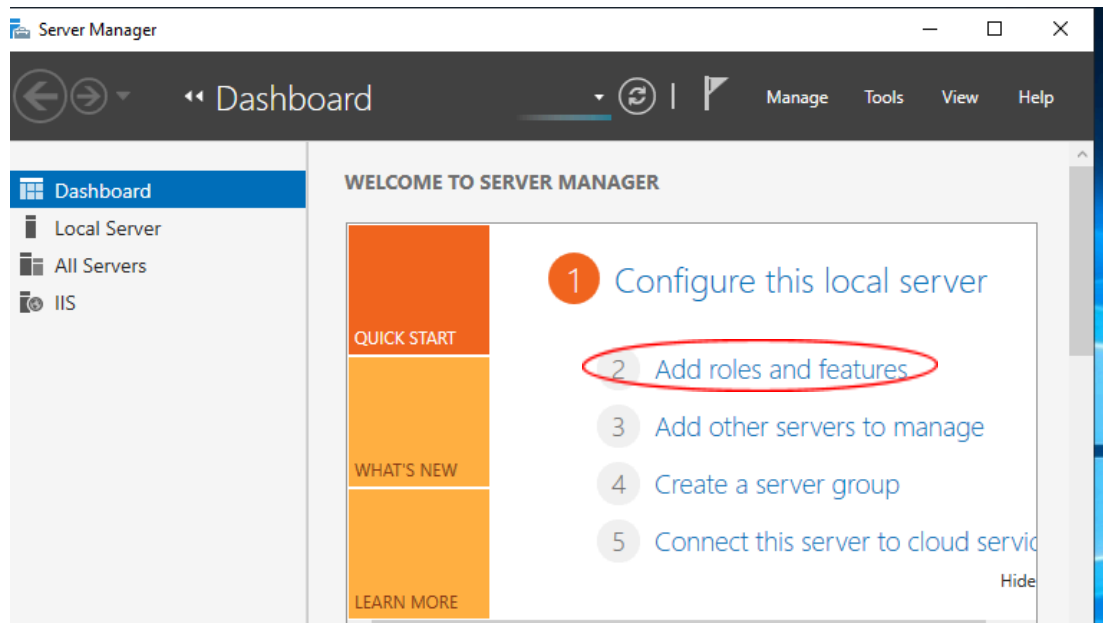


IP Address: 172.31.83.77

IP DNS server: 172.31.83.77



## :setup active Directory, DNS- Add roles and features



## Select installation type

DESTINATION SERVER  
WIN-L6AT8RS82CC

Before You Begin

Installation Type

Server Selection

Server Roles

Features

Confirmation

Results

Select the installation type. You can install roles and features on a running physical computer or virtual machine, or on an offline virtual hard disk (VHD).

☒ **Role-based or feature-based installation**

Configure a single server by adding roles, role services, and features.

☐ **Remote Desktop Services installation**

Install required role services for Virtual Desktop Infrastructure (VDI) to create a virtual machine-based or session-based desktop deployment.

&lt; Previous

Next &gt;

Install

Cancel

## Select destination server

DESTINATION SERVER  
EC2AMAZ-G8GIFA5.techwave.local

Before You Begin

Installation Type

Server Selection

Server Roles

Features

Confirmation

Results

Select a server or a virtual hard disk on which to install roles and features.

☒ **Select a server from the server pool**☐ **Select a virtual hard disk**

## Server Pool

Filter: <input type="text"/>		
Name	IP Address	Operating System
EC2AMAZ-G8GIFA5.tech...	169.254.89.77,...	Microsoft Windows Server 2019 Datacenter

1 Computer(s) found

This page shows servers that are running Windows Server 2012 or a newer release of Windows Server, and that have been added by using the Add Servers command in Server Manager. Offline servers and newly-added servers from which data collection is still incomplete are not shown.

&lt; Previous

Next &gt;

Install

Cancel

## Select server roles

DESTINATION SERVER  
WIN-L6AT8RS82CC

Before You Begin

Installation Type

Server Selection

Server Roles

Features

Confirmation

Results

Select one or more roles to install on the selected server.

## Roles

- ☐ Active Directory Certificate Services
- ☒ Active Directory Domain Services
- ☐ Active Directory Federation Services
- ☐ Active Directory Lightweight Directory Services
- ☐ Active Directory Rights Management Services
- ☐ Device Health Attestation
- ☐ DHCP Server
- ☐ DNS Server
- ☐ Fax Server
- ☒ File and Storage Services (1 of 12 installed)
- ☐ Host Guardian Service
- ☐ Hyper-V
- ☐ Network Policy and Access Services
- ☐ Print and Document Services
- ☐ Remote Access
- ☐ Remote Desktop Services
- ☐ Volume Activation Services
- ☒ Web Server (IIS) (8 of 43 installed)
- ☐ Windows Deployment Services
- ☐ Windows Server Update Services

## Description

Active Directory Domain Services (AD DS) stores information about objects on the network and makes this information available to users and network administrators. AD DS uses domain controllers to give network users access to permitted resources anywhere on the network through a single logon process.

&lt; Previous

Next &gt;

Install

Cancel



## Add features that are required for Active Directory Domain Services?

You cannot install Active Directory Domain Services unless the following role services or features are also installed.

[Tools] Group Policy Management

▾ Remote Server Administration Tools

▾ Role Administration Tools

▾ AD DS and AD LDS Tools

Active Directory module for Windows PowerShell

▾ AD DS Tools

[Tools] Active Directory Administrative Center

[Tools] AD DS Snap-Ins and Command-Line Tools

☒ Include management tools (if applicable)

Add Features

Cancel

## Select server roles

Before You Begin

Installation Type

Server Selection

Server Roles

Features

AD DS

Confirmation

Results

Select one or more roles to install on the selected server.

### Roles

- ☐ Active Directory Certificate Services
- ☒ Active Directory Domain Services
- ☐ Active Directory Federation Services
- ☐ Active Directory Lightweight Directory Services
- ☐ Active Directory Rights Management Services
- ☐ Device Health Attestation
- ☐ DHCP Server
- ☐ DNS Server
- ☐ Fax Server
- ☒ File and Storage Services (1 of 12 installed)
- ☐ Host Guardian Service
- ☐ Hyper-V
- ☐ Network Policy and Access Services
- ☐ Print and Document Services
- ☐ Remote Access
- ☐ Remote Desktop Services
- ☐ Volume Activation Services
- ☒ Web Server (IIS) (8 of 43 installed)
- ☐ Windows Deployment Services
- ☐ Windows Server Update Services

### Description

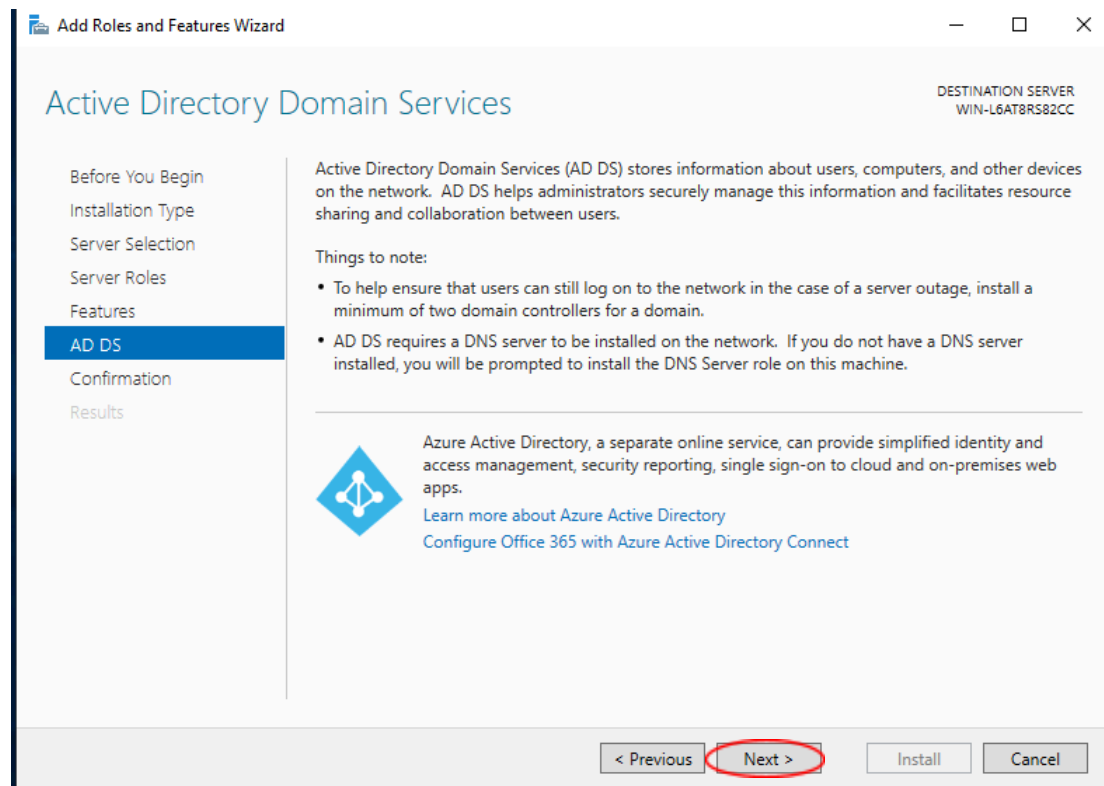
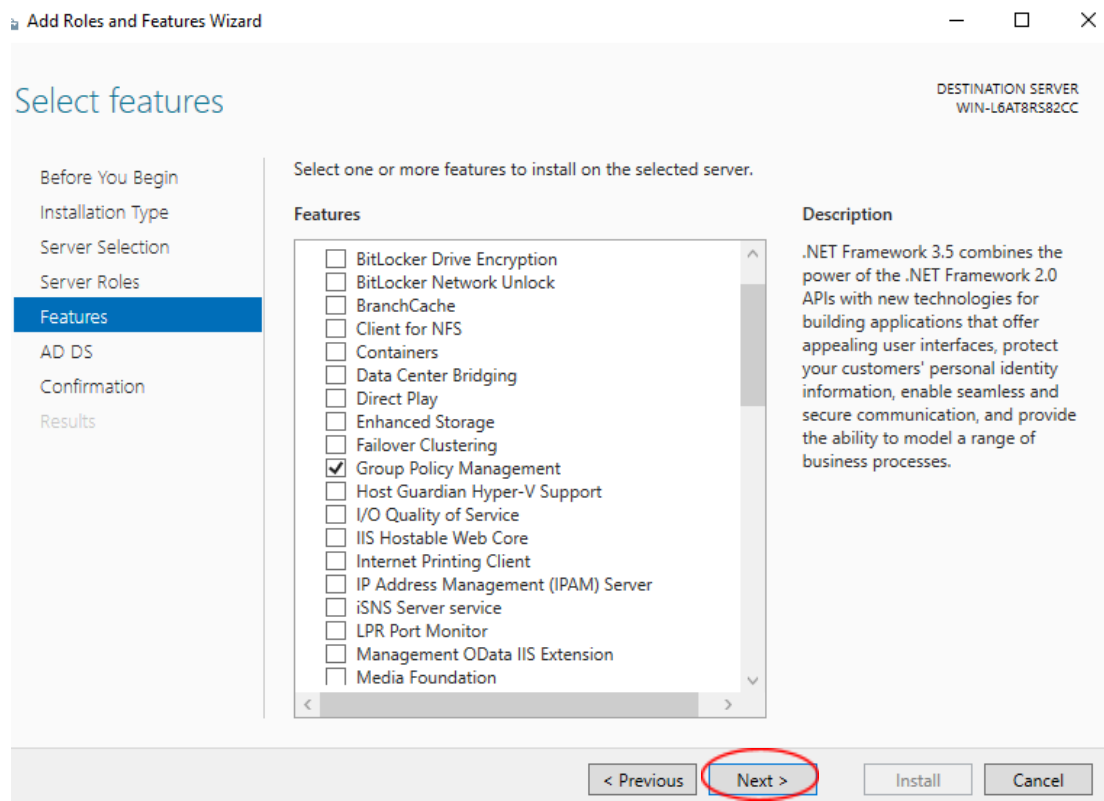
Active Directory Domain Services (AD DS) stores information about objects on the network and makes this information available to users and network administrators. AD DS uses domain controllers to give network users access to permitted resources anywhere on the network through a single logon process.

< Previous

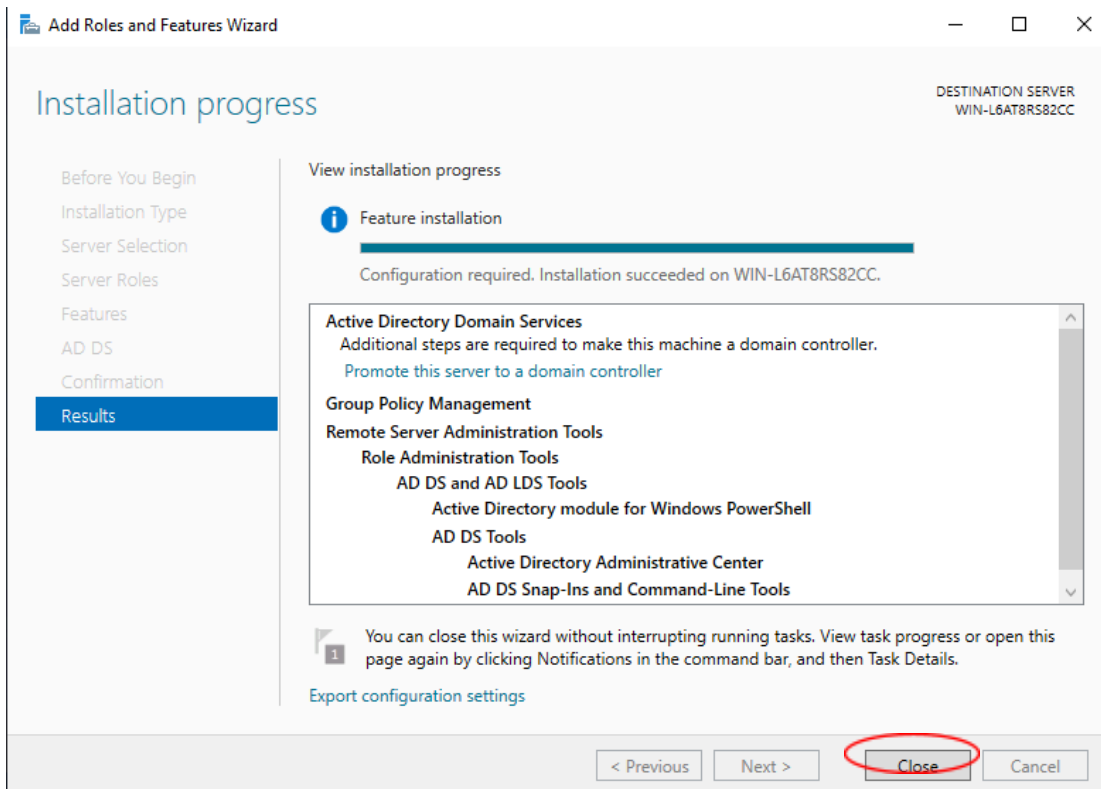
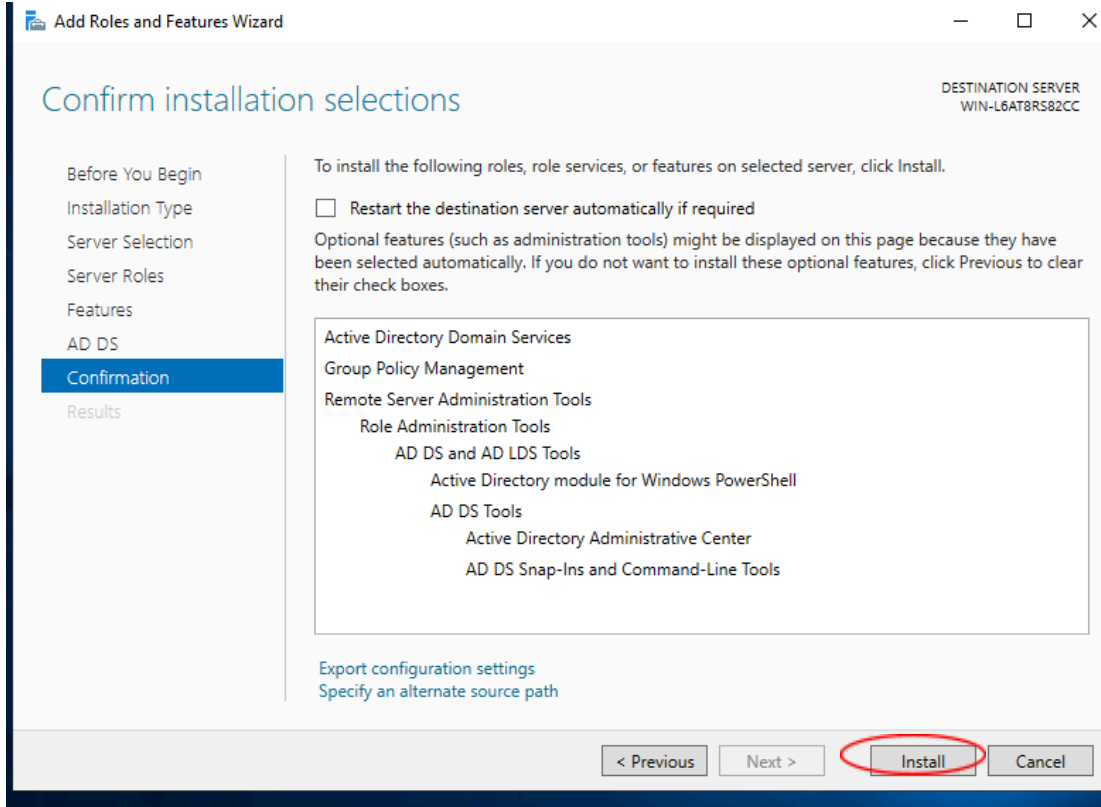
Next >

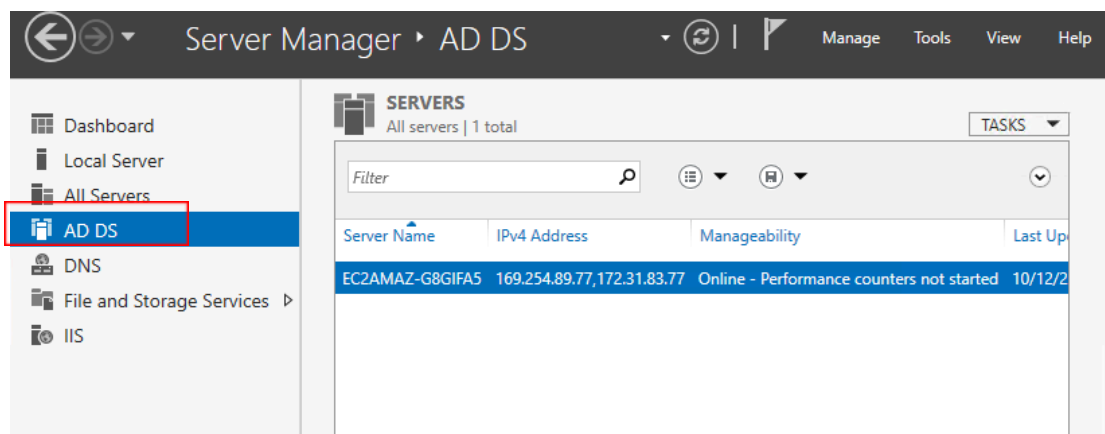
Install

Cancel



## install active Directory-



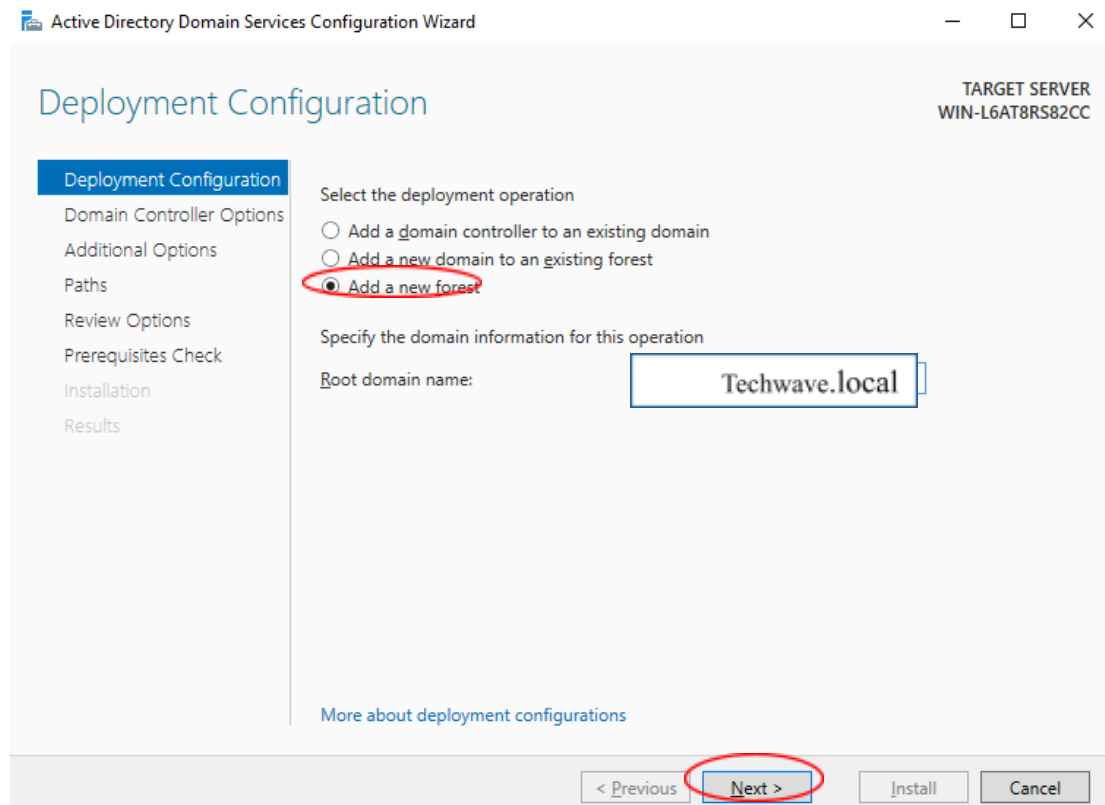


## All Servers Task Details and Notifications

All Tasks | 1 total

Status	Task Name	Stage	Message	Action	Notifi
	Post-deployment Configuration	Not Sta...	Configuration required for Active Directory Do...	<a href="#">Promote this server to a domain...</a>	1

add a new forest-



then select the lowest server and domain server that can be communicated with it-  
setup Dns-  
create password to protect your information-

Active Directory Domain Services Configuration Wizard

Domain Controller Options

TARGET SERVER  
WIN-L6AT8RS82CC

Deployment Configuration

**Domain Controller Options**

DNS Options

Additional Options

Paths

Review Options

Prerequisites Check

Installation

Results

Select functional level of the new forest and root domain

Forest functional level: Windows Server 2008 R2

Domain functional level: Windows Server 2008 R2

Specify domain controller capabilities

☒ Domain Name System (DNS) server

☒ Global Catalog (GC)

☐ Read only domain controller (RODC)

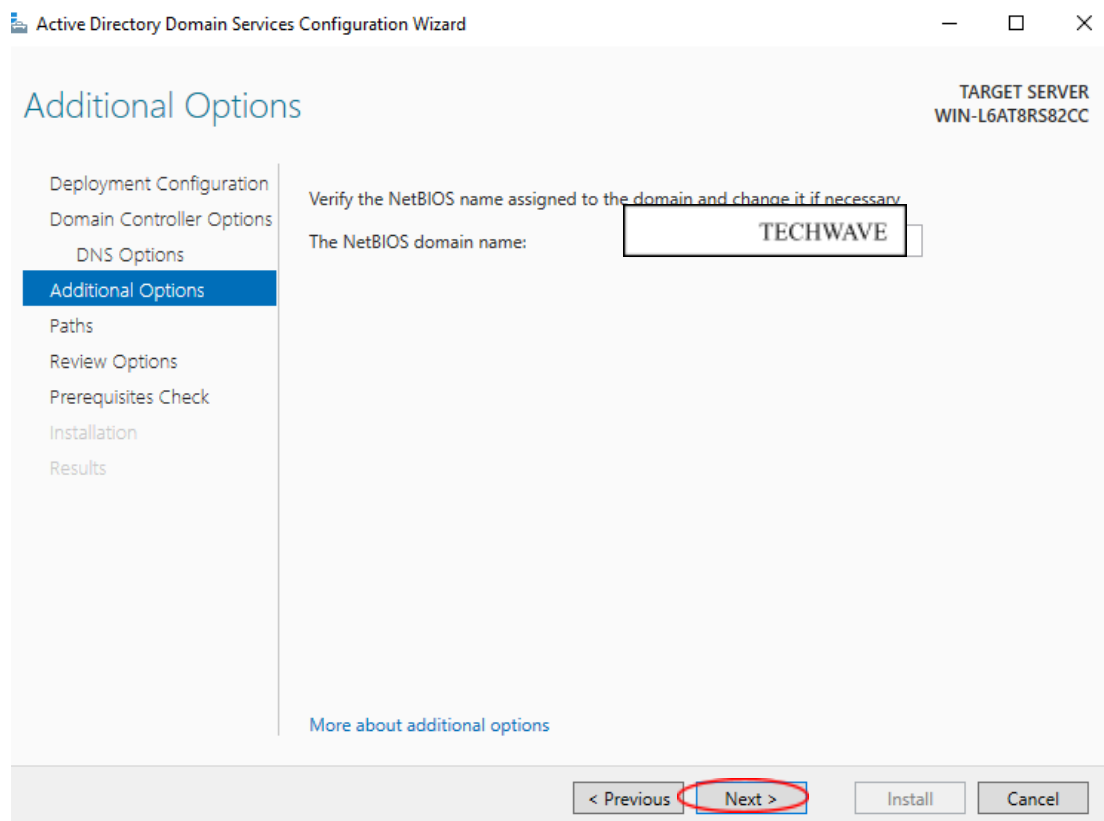
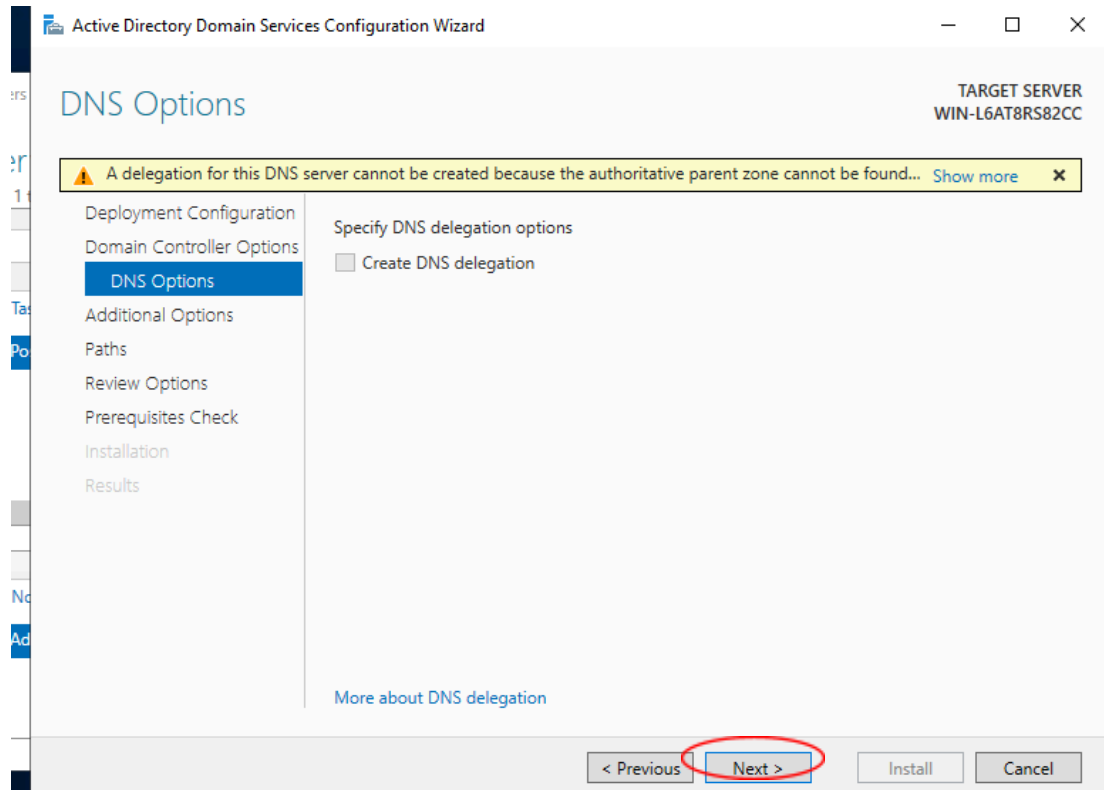
Type the Directory Services Restore Mode (DSRM) password

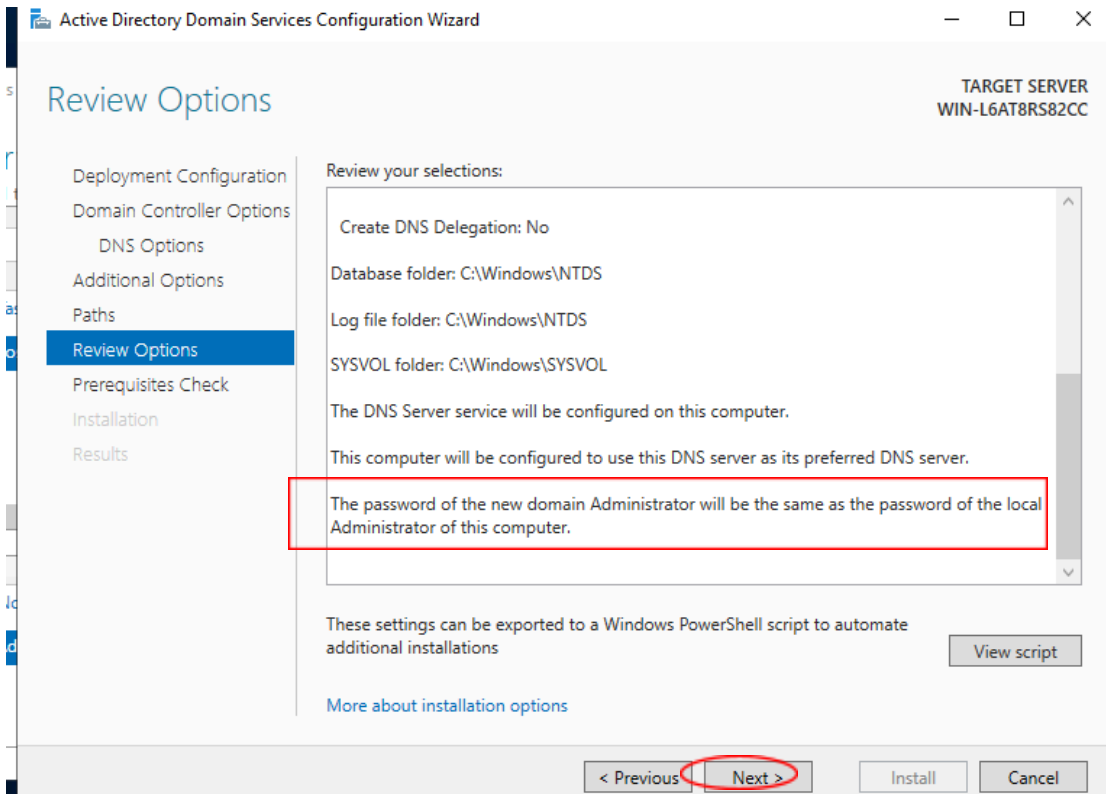
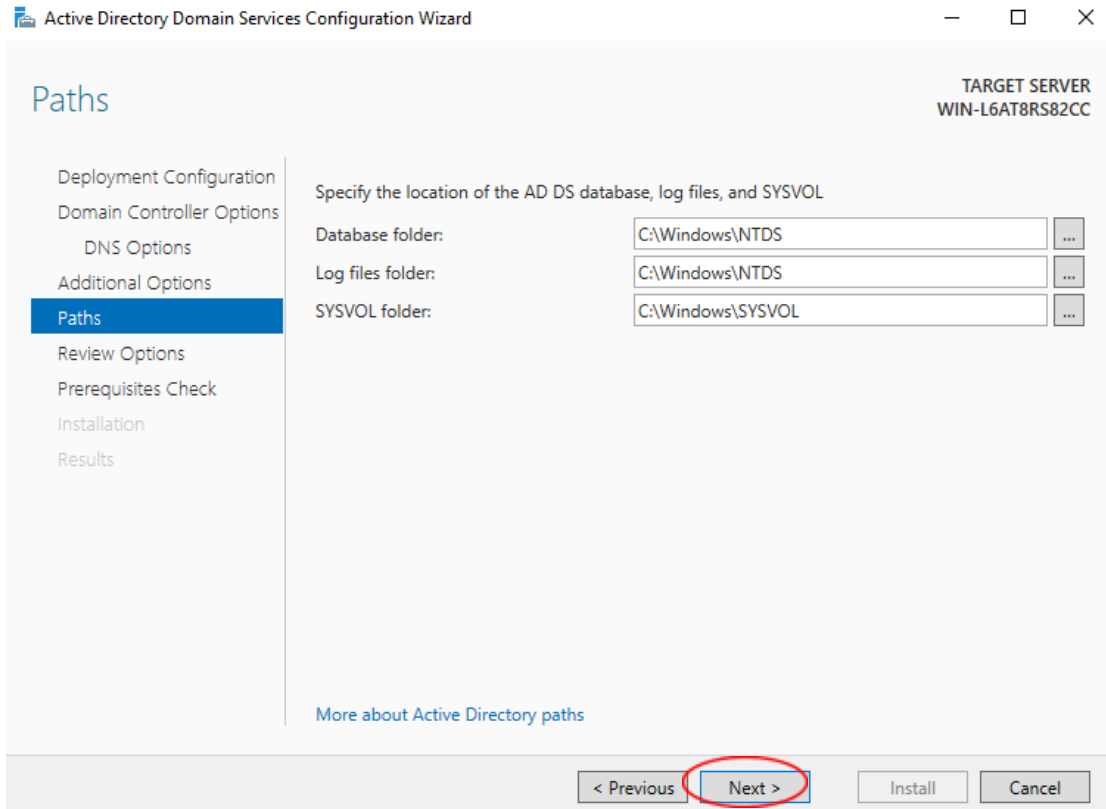
Password: .....

Confirm password: .....

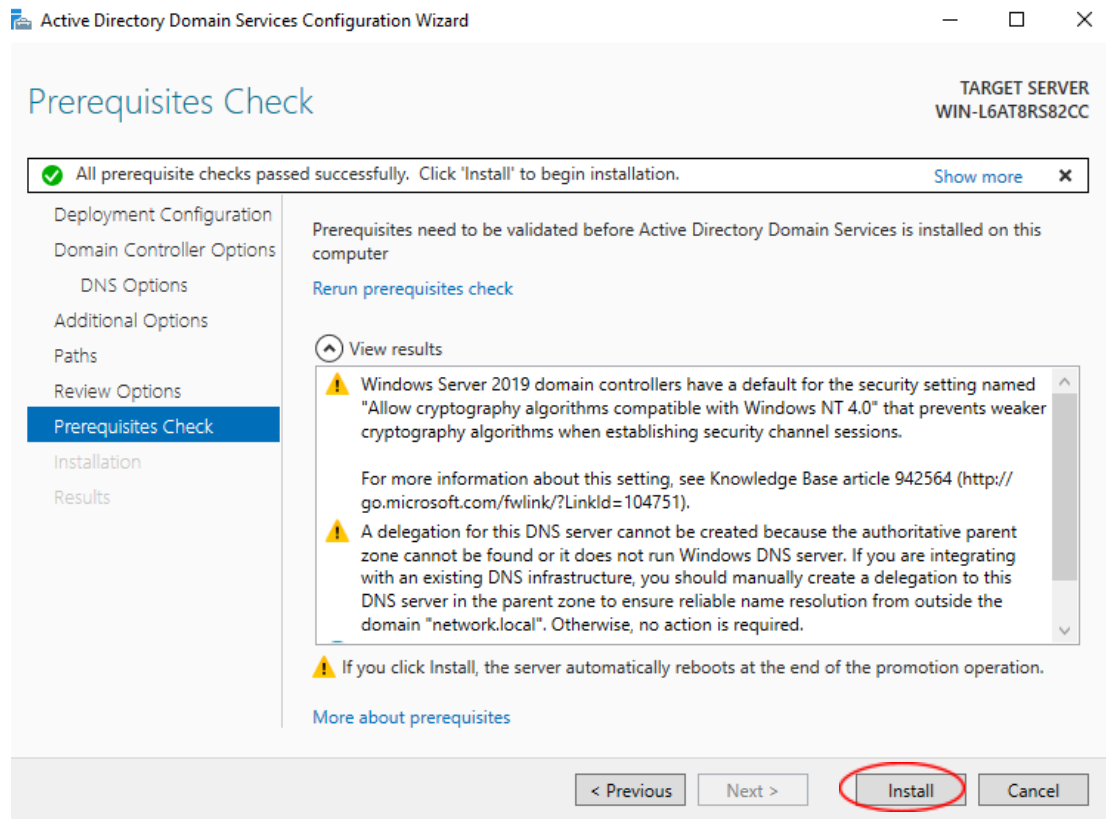
[More about domain controller options](#)

< Previous Next > Install Cancel

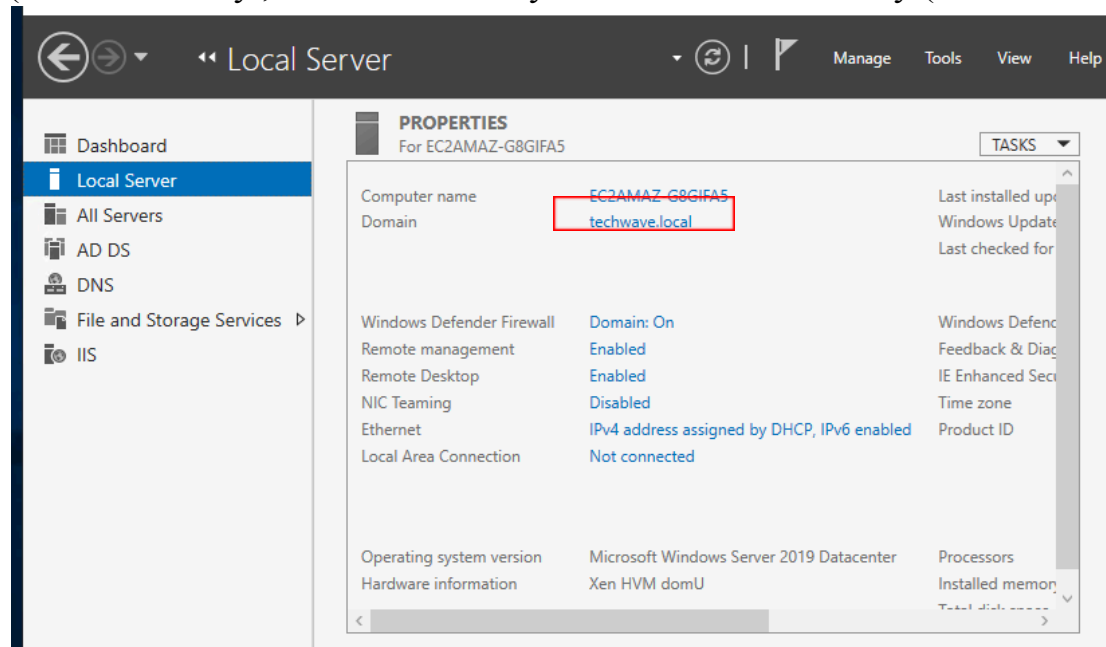




install active directory and restart automatically-

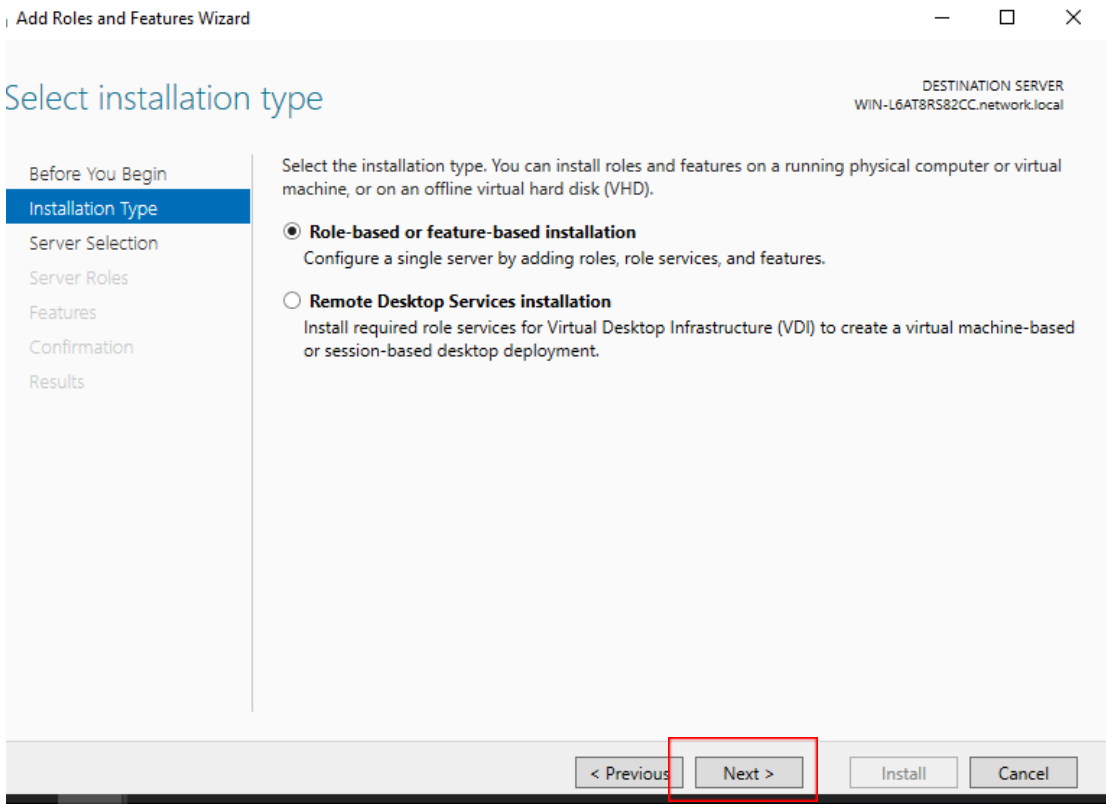
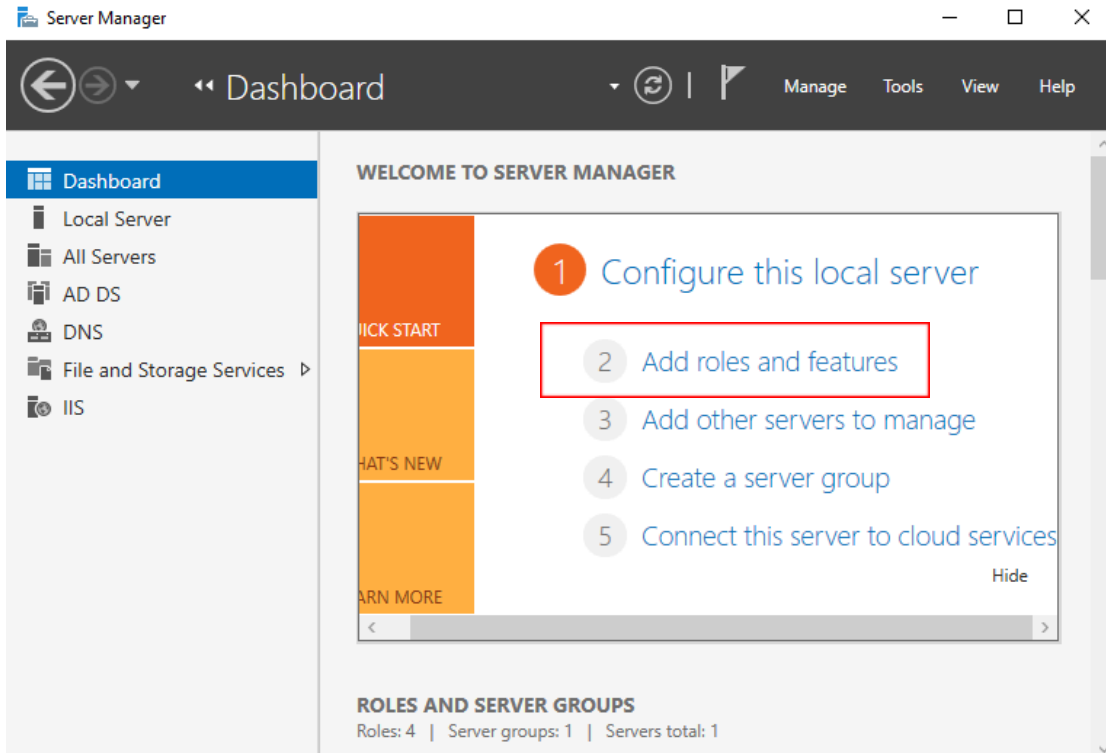


(active directory , domain and many tools of active directory (Done-



**:Setup DHCP**





## Select server roles

WIN-

Before You Begin

Installation Type

Server Selection

**Server Roles**

Features

Confirmation

Results

Select one or more roles to install on the selected server.

### Roles

- ☐ Active Directory Certificate Services
- ☒ Active Directory Domain Services (Installed)
- ☐ Active Directory Federation Services
- ☐ Active Directory Lightweight Directory Services
- ☐ Active Directory Rights Management Services
- ☐ ~~Device Health Attestation~~
- ☐ **DHCP Server**
- ☒ DNS Server (Installed)
- ☐ Fax Server
- ☒ File and Storage Services (2 of 12 installed)
  - ☐ Host Guardian Service
  - ☐ Hyper-V
  - ☐ Network Policy and Access Services
  - ☐ Print and Document Services
  - ☐ Remote Access
  - ☐ Remote Desktop Services
  - ☐ Volume Activation Services
- ☒ Web Server (IIS) (8 of 43 installed)
  - ☐ Windows Deployment Services
  - ☐ Windows Server Update Services

### Description

Dynamic Host  
Protocol (DHCP) to centrally c  
provide temp  
related inform  
computers.

< Previous

Next >

## Add features that are required for DHCP Server?

The following tools are required to manage this feature, but do not have to be installed on the same server.

- ▾ Remote Server Administration Tools
  - ▾ Role Administration Tools
    - [Tools] DHCP Server Tools

☒ Include management tools (if applicable)

Add Features

Cancel

## Select server roles

DESTI  
WIN-L6AT8RS82

Before You Begin

Installation Type

Server Selection

**Server Roles**

Features

DHCP Server

Confirmation

Results

Select one or more roles to install on the selected server.

### Roles

- ☐ Active Directory Certificate Services
- ☒ Active Directory Domain Services (Installed)
- ☐ Active Directory Federation Services
- ☐ Active Directory Lightweight Directory Services
- ☐ Active Directory Rights Management Services
- ☐ Device Health Attestation
- ☒ **DHCP Server**
- ☒ DNS Server (Installed)
- ☐ Fax Server
- ☒ File and Storage Services (2 of 12 installed)
- ☐ Host Guardian Service
- ☐ Hyper-V
- ☐ Network Policy and Access Services
- ☐ Print and Document Services
- ☐ Remote Access
- ☐ Remote Desktop Services
- ☐ Volume Activation Services
- ☒ Web Server (IIS) (8 of 43 installed)
- ☐ Windows Deployment Services
- ☐ Windows Server Update Services

### Description

Dynamic Host Configu  
Protocol (DHCP) Serve  
to centrally configure,  
provide temporary IP a  
related information for  
computers.

< Previous

Next >

Install

## DHCP Server

DESTINATION SERVER  
WIN-L6AT8RS82CC.network.local

Before You Begin  
Installation Type  
Server Selection  
Server Roles  
Features  
**DHCP Server**  
Confirmation  
Results

The Dynamic Host Configuration Protocol allows servers to assign, or lease, IP addresses to computers and other devices that are enabled as DHCP clients. Deploying a DHCP server on the network provides computers and other TCP/IP-based network devices with valid IP addresses and the additional configuration parameters these devices need, called DHCP options. This allows computers and devices to connect to other network resources, such as DNS servers, WINS servers, and routers.

### Things to note:

- You should configure at least one static IP address on this computer.
- Before you install DHCP Server, you should plan your subnets, scopes and exclusions. Store the plan in a safe place for later reference.

< Previous

Next >

Install

Cancel

## Add Roles and Features Wizard

## Confirm installation selections

DESTINATION SERVER  
WIN-L6AT8RS82CC.network.local

Before You Begin  
Installation Type  
Server Selection  
Server Roles  
Features  
DHCP Server  
**Confirmation**  
Results

To install the following roles, role services, or features on selected server, click Install.

☐ Restart the destination server automatically if required

Optional features (such as administration tools) might be displayed on this page because they have been selected automatically. If you do not want to install these optional features, click Previous to clear their check boxes.

DHCP Server

Remote Server Administration Tools

Role Administration Tools

DHCP Server Tools

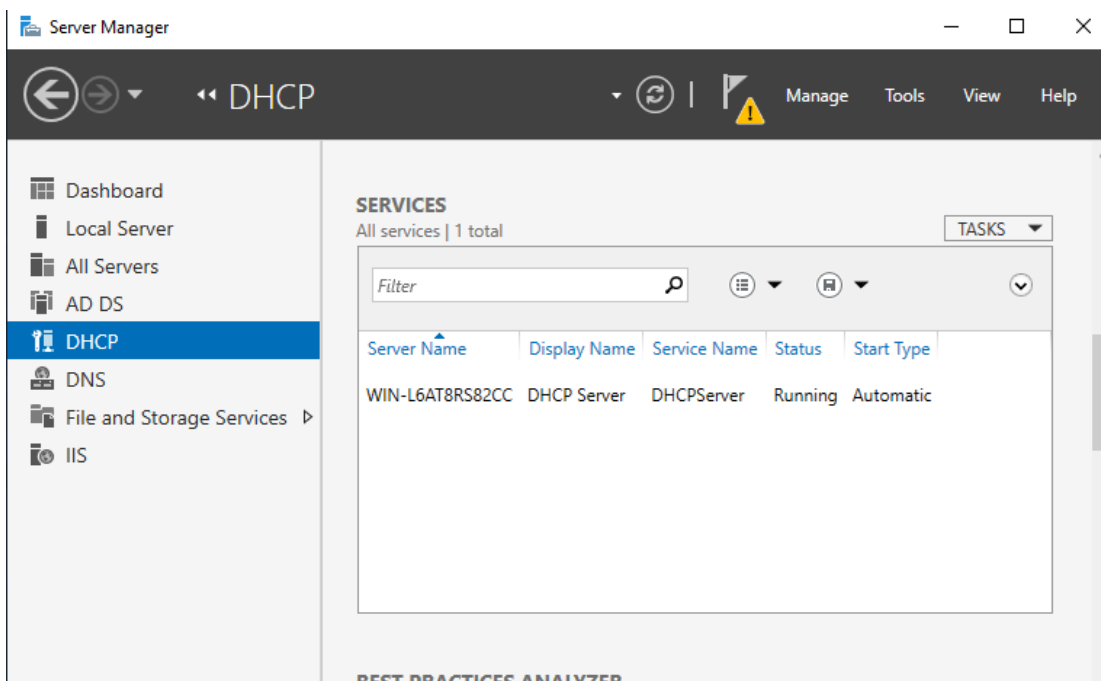
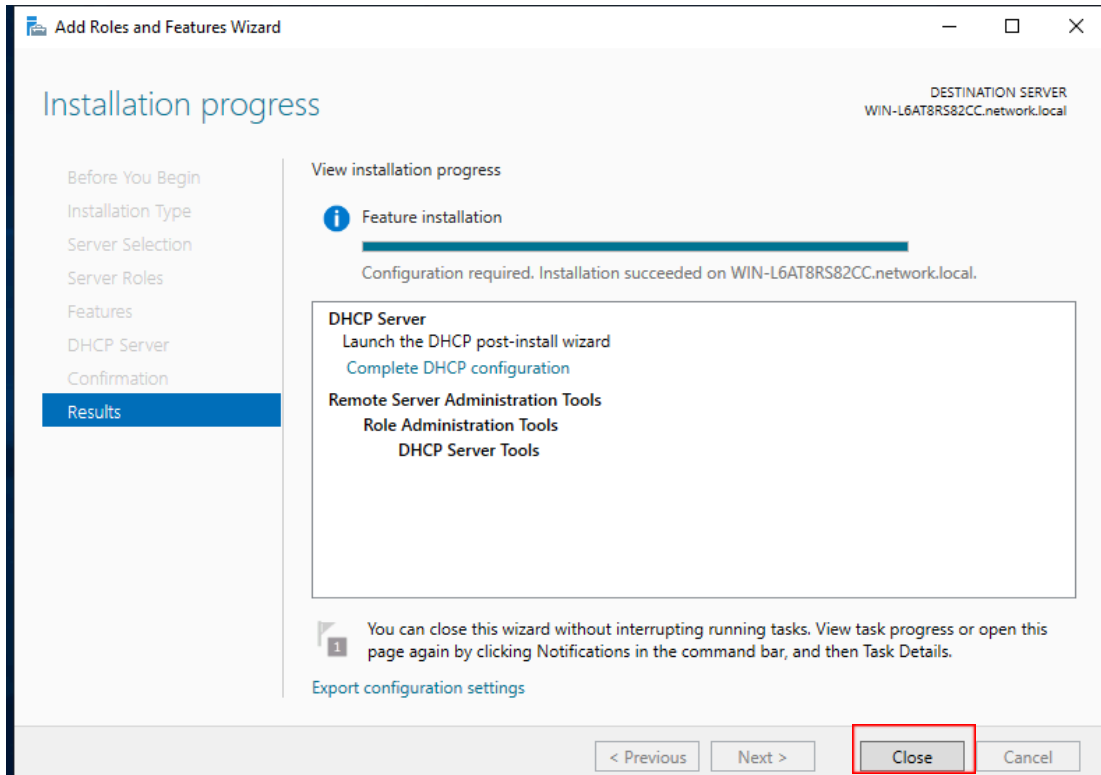
[Export configuration settings](#)  
[Specify an alternate source path](#)

< Previous

Next >

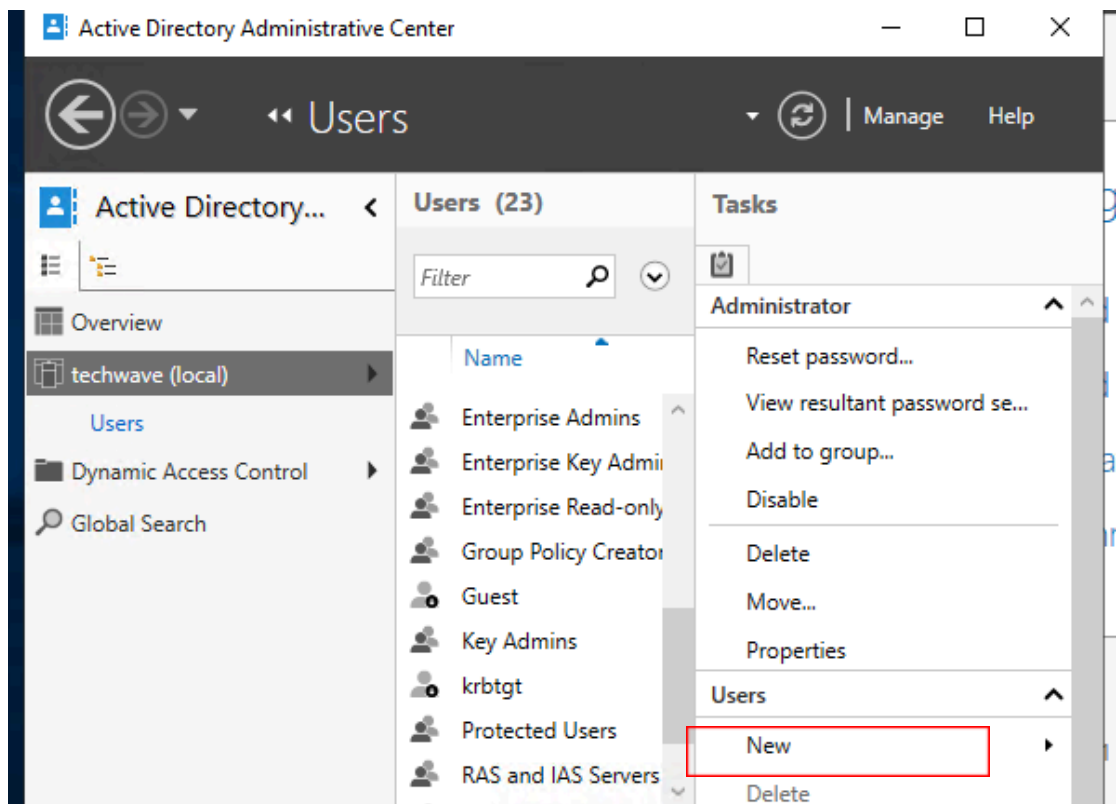
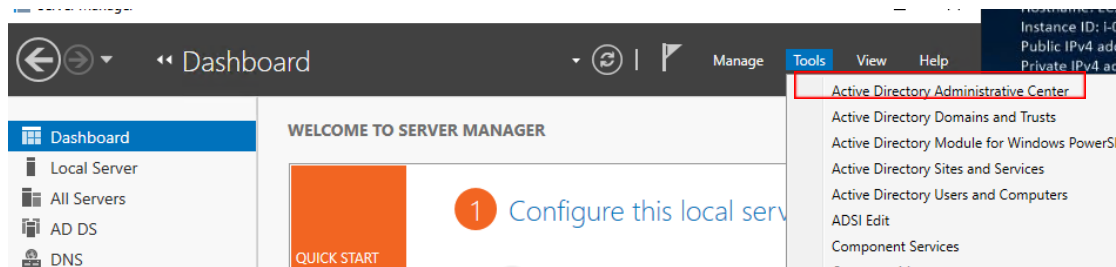
Install

Cancel



## :Add users

Tools, Active Directory Administrative center, users, new, user



:Creating user

Full name: Esraa mubarak

User samaccount: Esraa mubarak

Select user must change password at next log on

(Then press (ok

Create User: Esraa mubarak

Account Organization Member Of Password Settings Profile

Account

First name: Esraa  
Middle initials:  
Last name: mubarak  
Full name: \* Esraa mubarak

Account expires: ☒ Never  
☐ End of

Password options:  
☒ User must change password at next log on  
☐ Other password options  
☐ Microsoft Passport or smart card is require...  
☐ Password never expires  
☐ User cannot change password

Encryption options:  
Other options:

User UPN login: @  
User SamAccountName: techwave \\* raa mubarak

Password:  
Confirm password:

Create in: CN=Users,DC=techwave,DC=local Change...

☐ Protect from accidental deletion

Log on hours... Log on to...

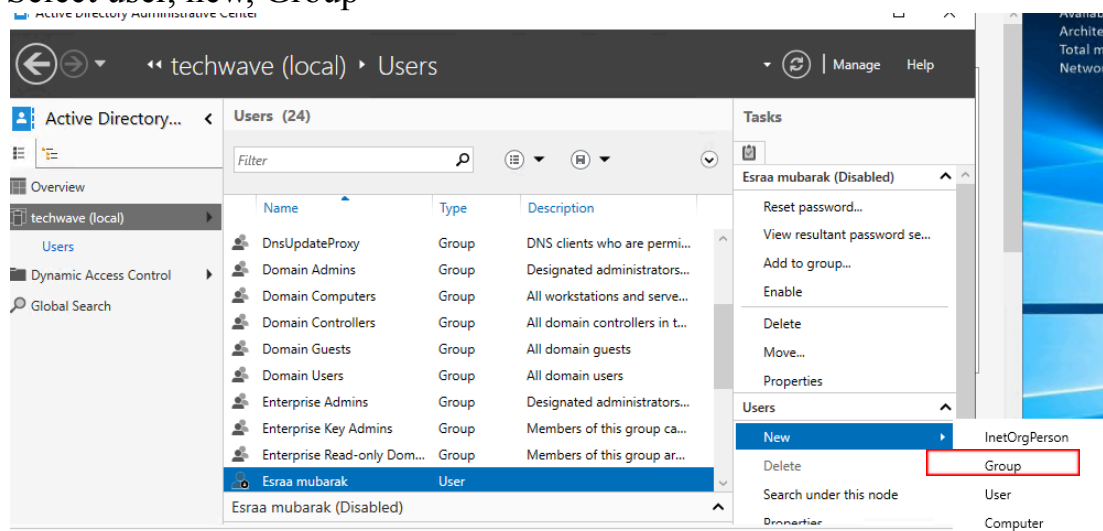
More Information

OK Cancel

.Then create user Abdullah fawzi at the same way

## :Creating Group

Select user, new, Group



## :Create Group

Group name and Group samaccount: IT Admin

Description: All of member of the IT Admin group

Create Group: IT Admin

TASKS ▾ SECTIONS ▾

Group

Managed By

Member Of

Members

Password Settings

Group name: \* IT Admin

Group (SamAcco... \* IT Admin

E-mail:

Create in: CN=Users,DC=techwave,DC=local

Change...

Description:

All of member of the IT Admin group

Notes:

Group type:

☒ Security

☐ Distribution

Group scope:

☐ Domain local

☒ Global

☐ Universal

☐ Protect from accidental deletion

Managed By

Managed by:

Edit... Clear

Office:

☐ Manager can update membership list

Phone numbers:

More Information

OK Cancel

:Add member-  
(Add, Esraa Mubarak(user

Create Group: IT Admin

TASKS ▾ SECTIONS ▾

Group

Managed By

Member Of

Members

Password Settings

Filter

Name

Active Director...

Add...

Remove

Directly Associated Password Settings



Select Users, Contacts, Computers, Service Accounts, or Groups

Select this object type:  
 Object Types...

From this location:  
 Locations...

Enter the object names to select (examples):  
 Check Names

Advanced... OK Cancel

Then add Abdullah fawzi, Administrator at the same way

Create Group: IT Admin

TASKS SECTIONS

Group  
Managed By  
Member Of  
Members  
Password Settings

Members

Filter

Name	Active Director...
Abdullah fawzi	techwave-User...
Administrator	techwave-User...
Esraa mubarak	techwave-User...

Add... Remove

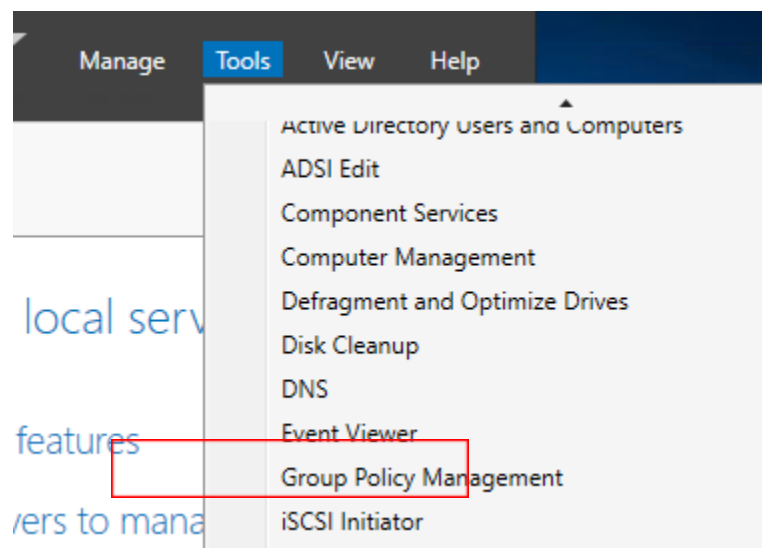
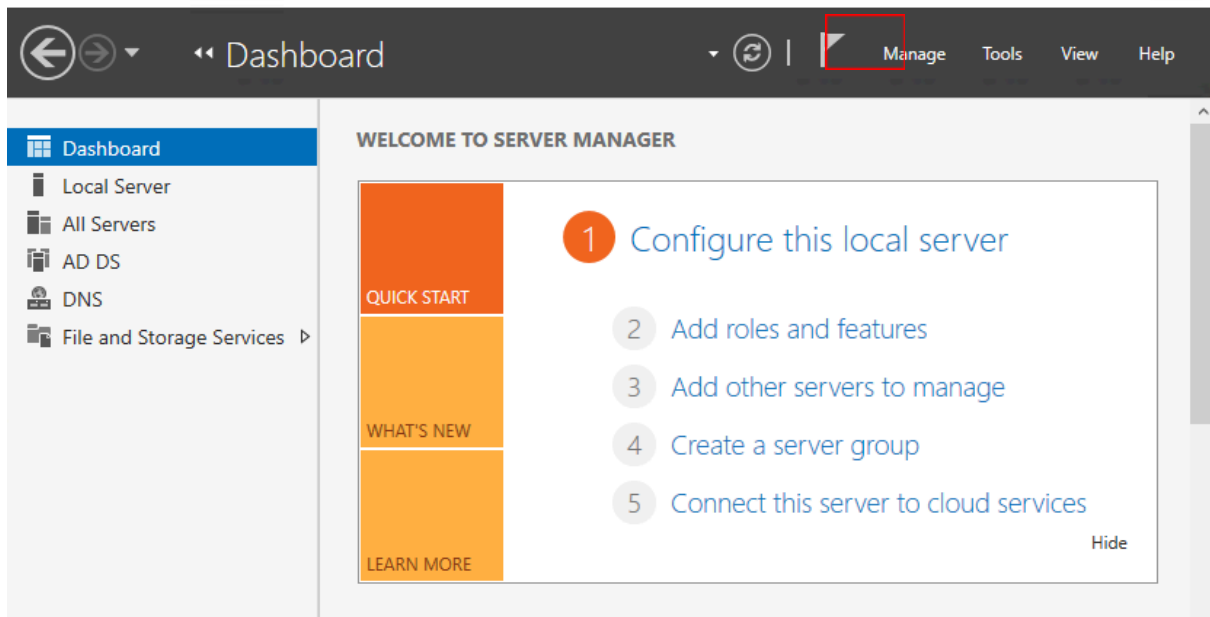
Directly Associated Password Settings

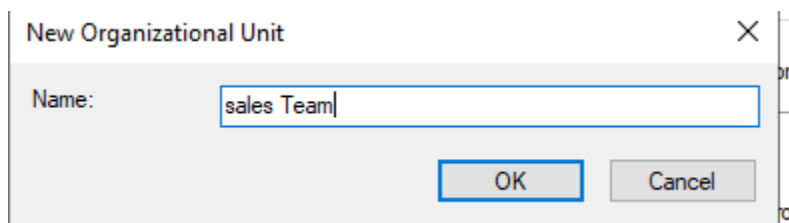
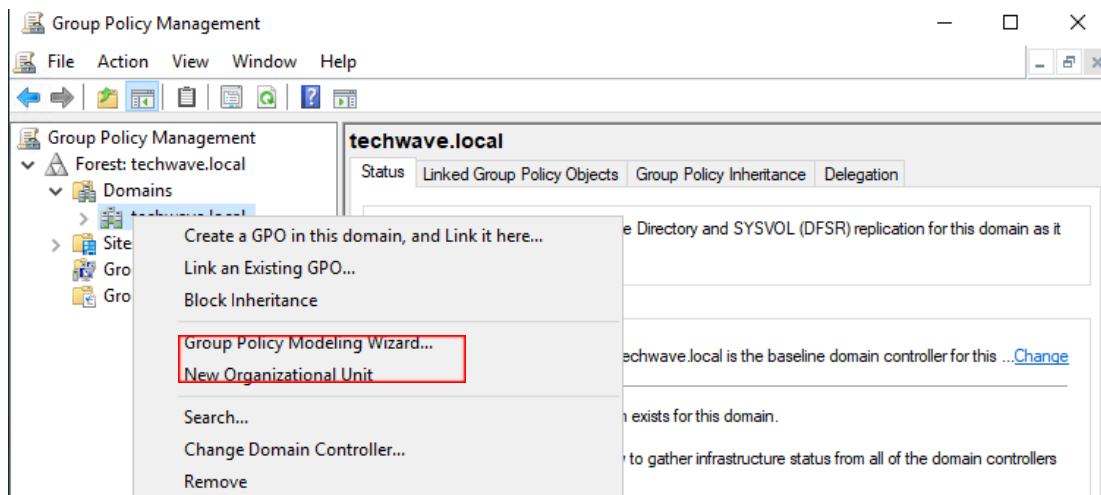
Name	Precedence
------	------------

Assign...

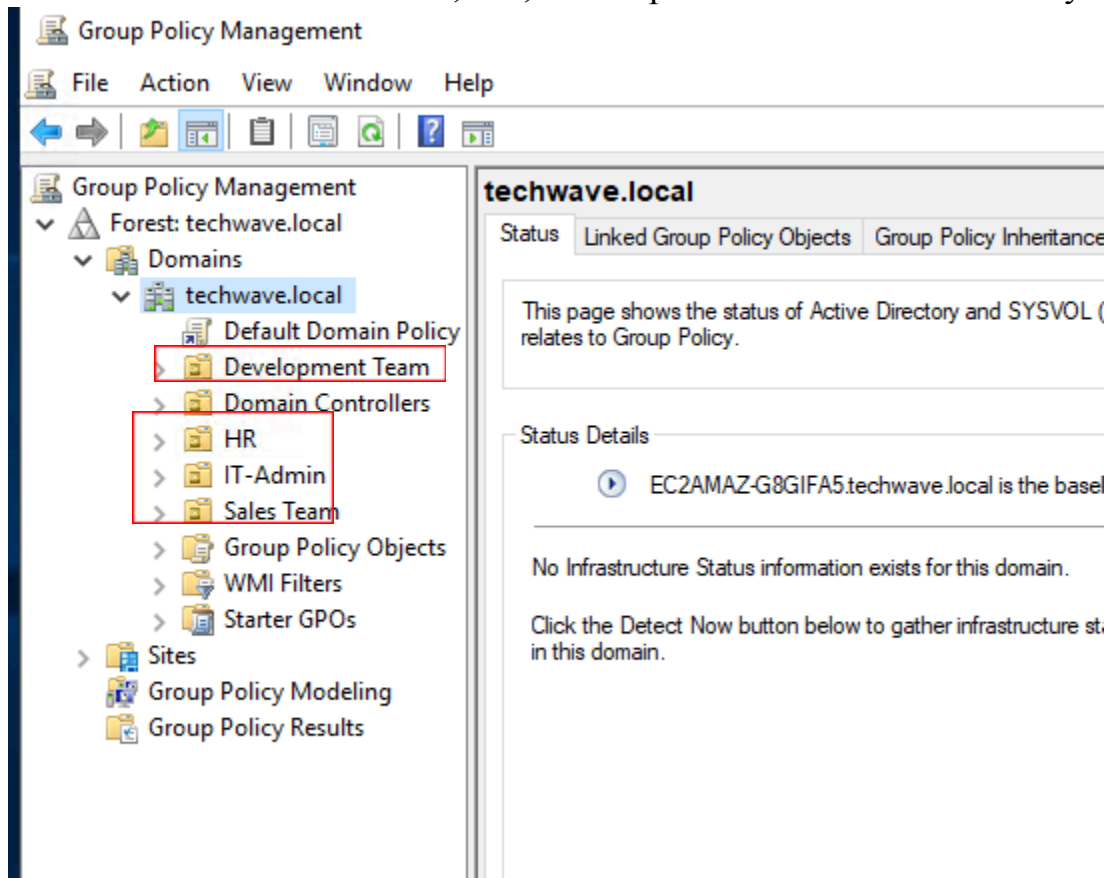
More Information OK Cancel

**:Create OU for sales Team**

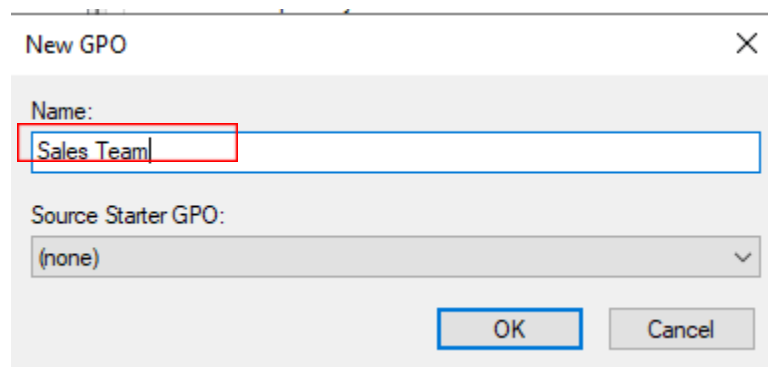
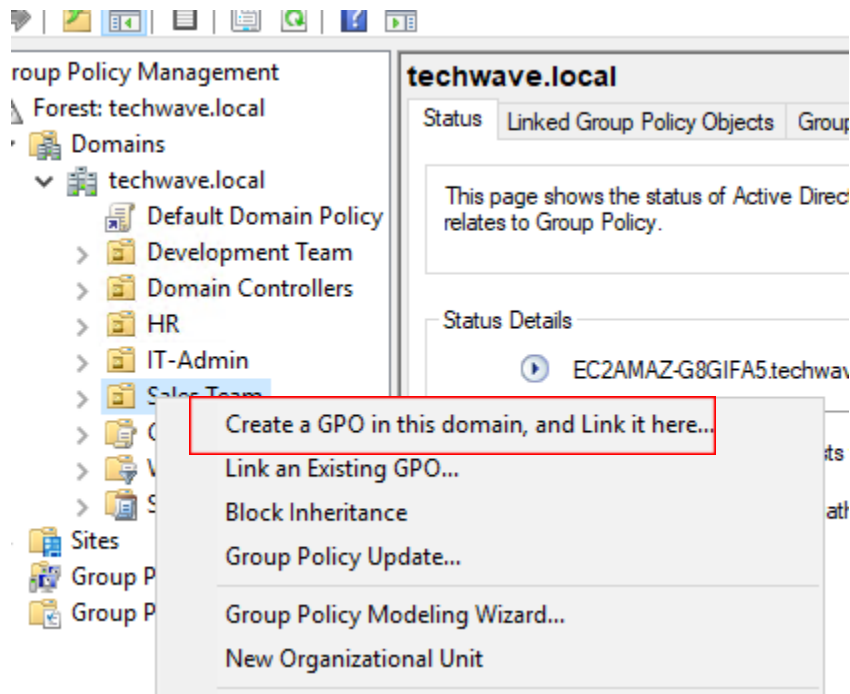


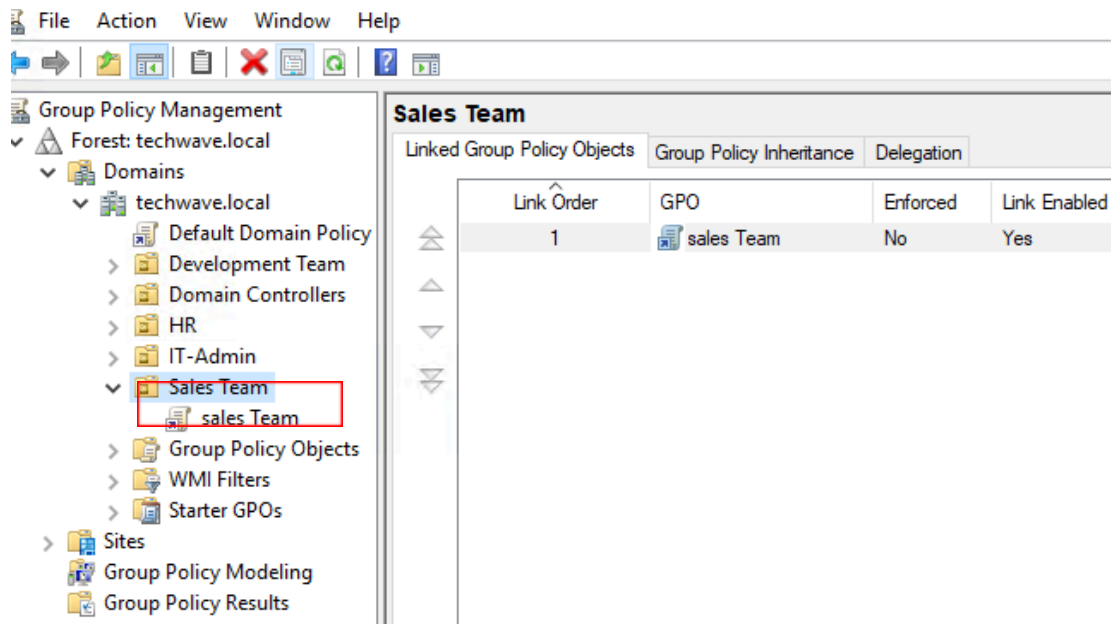


Then create OU for IT Admin, HR, Development Team at the same way

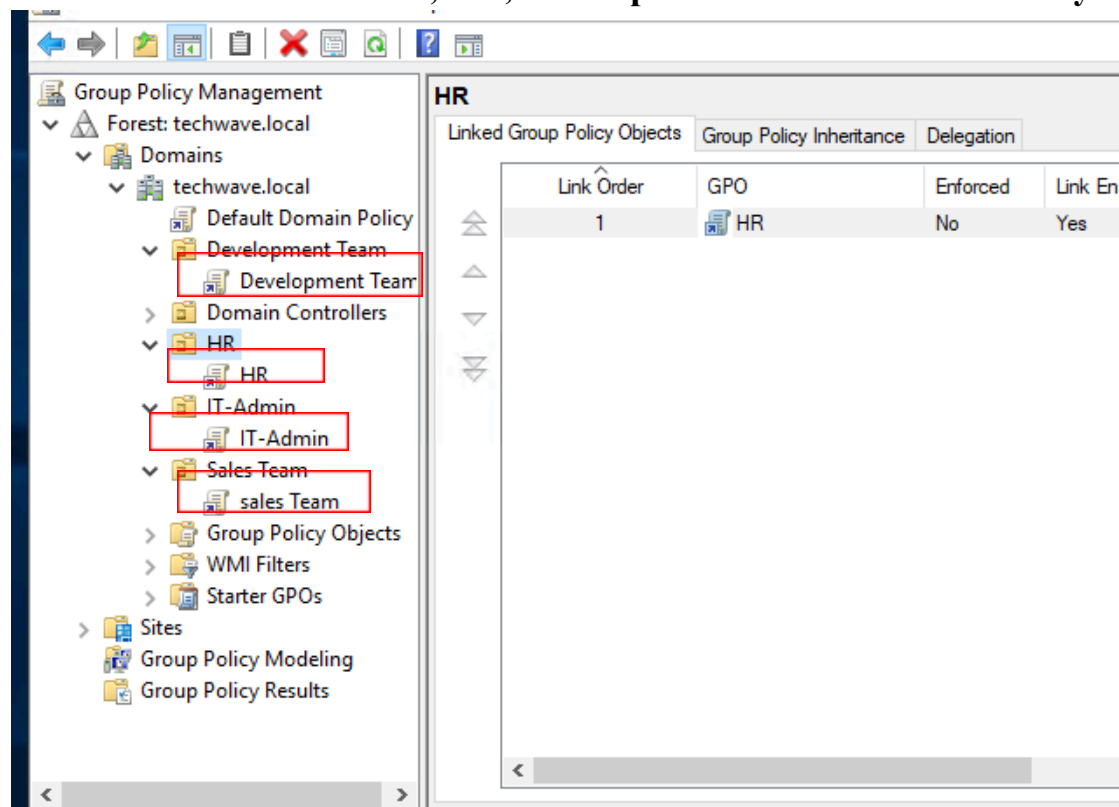


## :Create GPO for Sales Team-

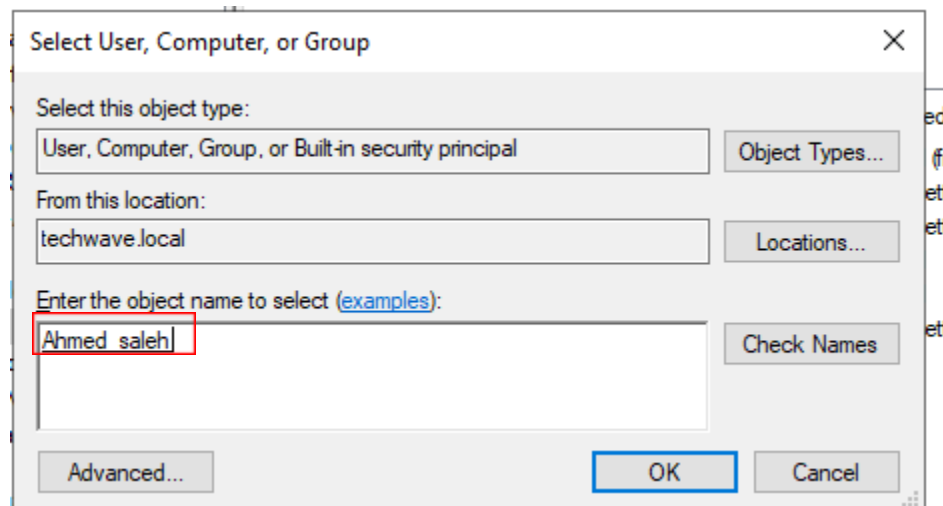
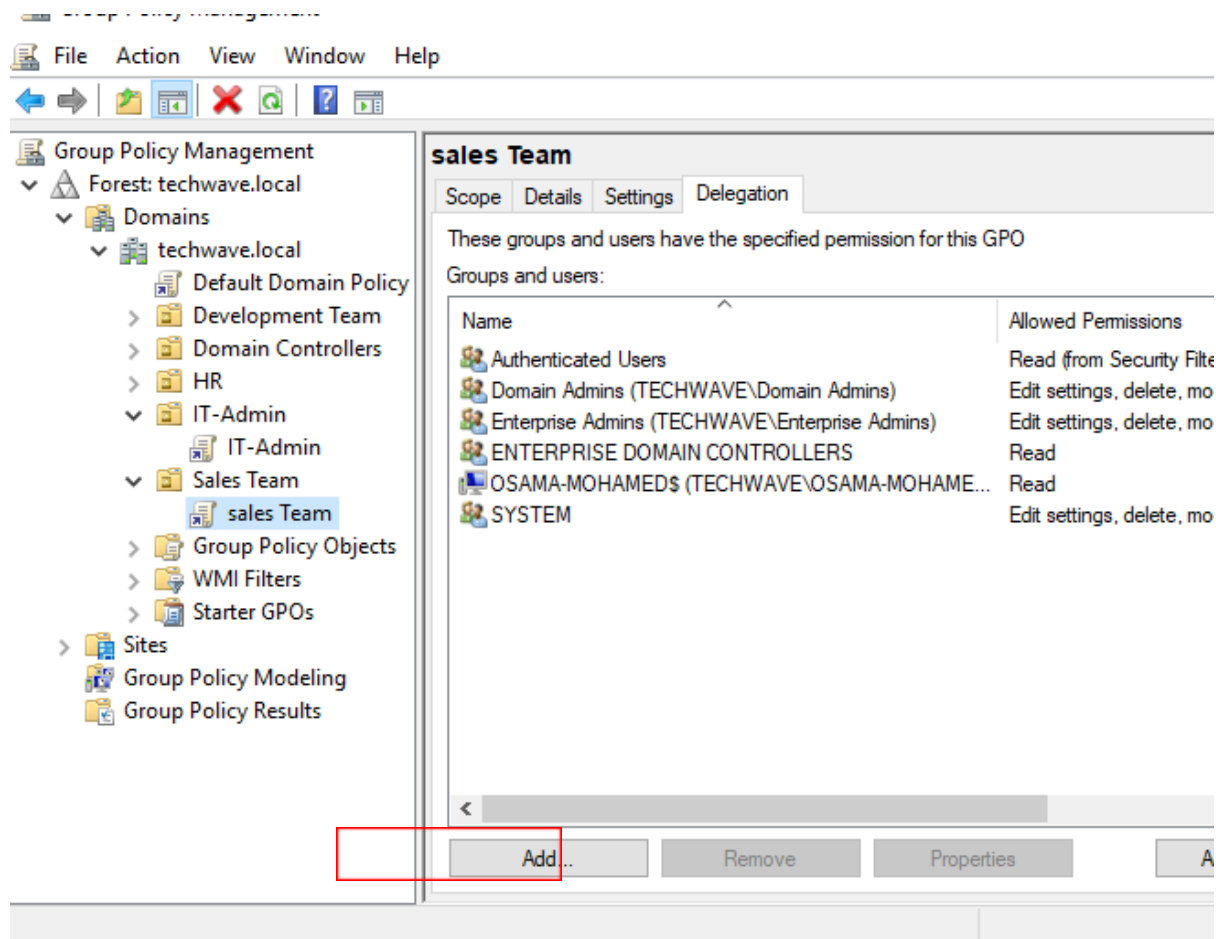


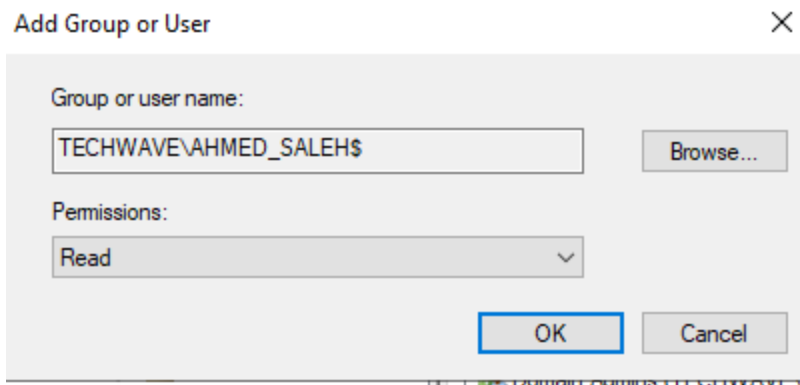


**Create GPO for IT Admin, HR, Development Team at the same way-**

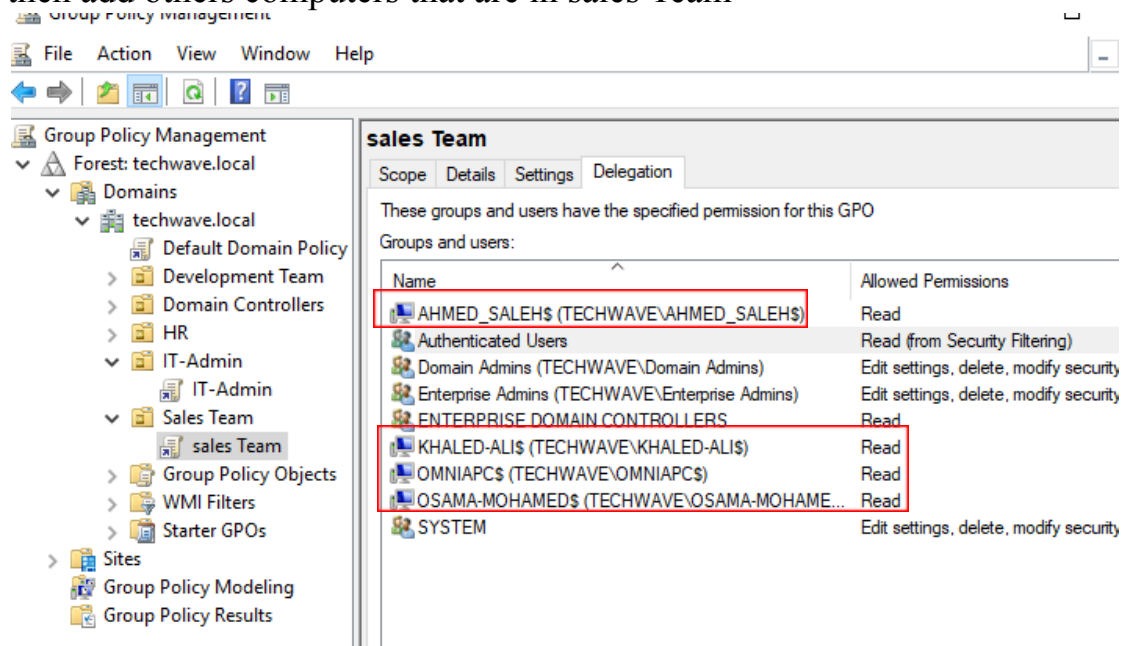


**:Add computers for sales Team-**

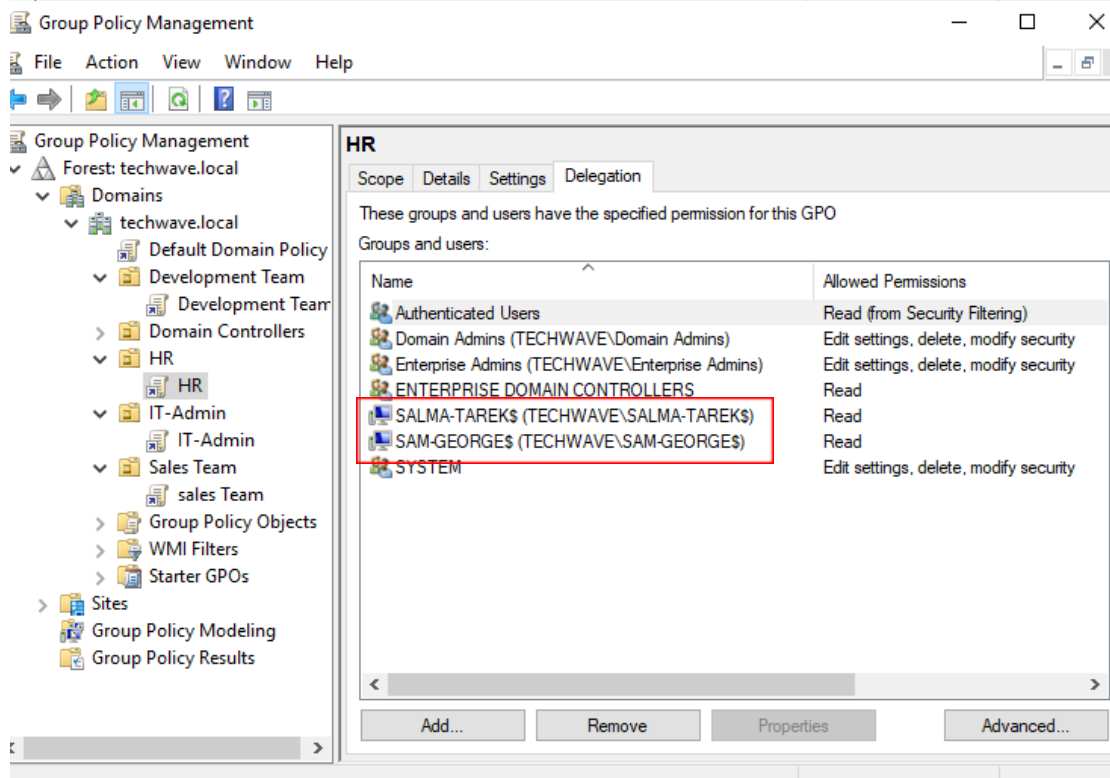
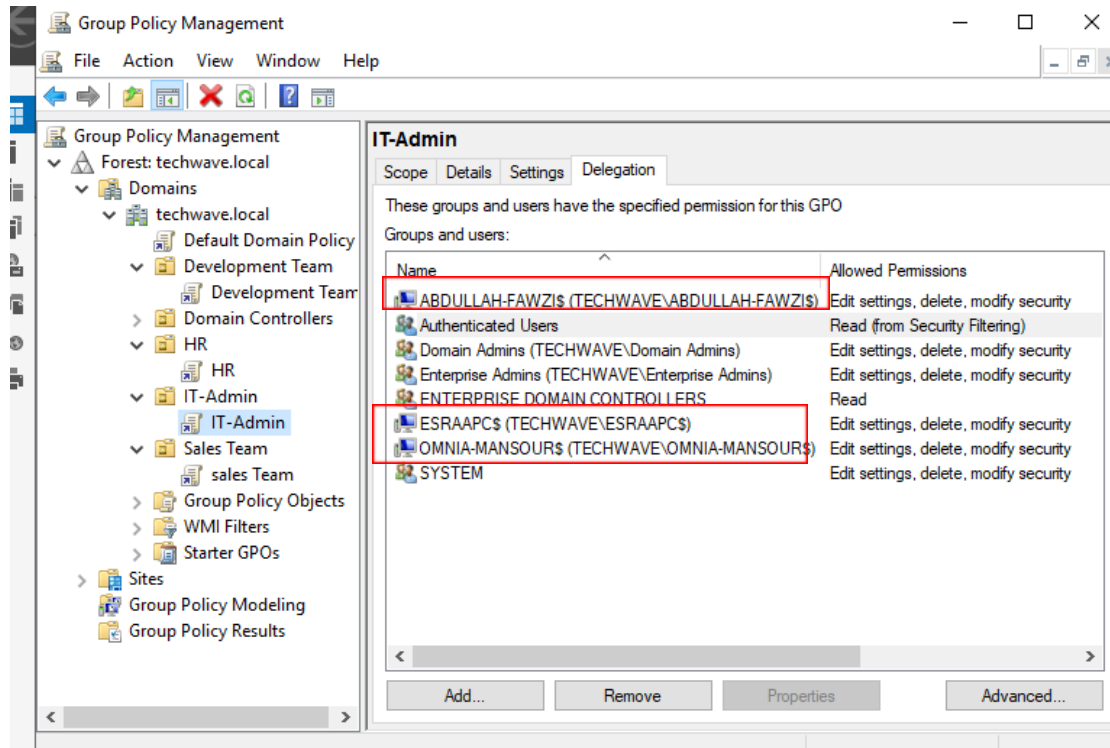




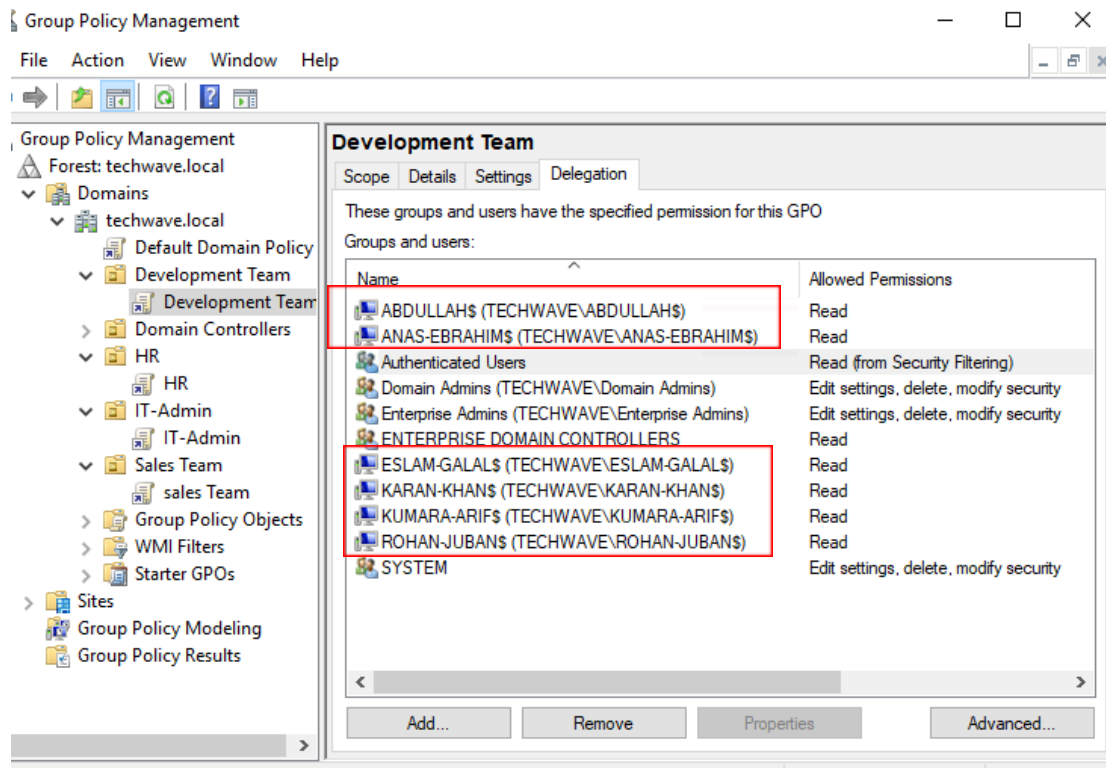
then add others computers that are in sales Team-



Add computer for IT Admin, HR, Development Team at the same way-



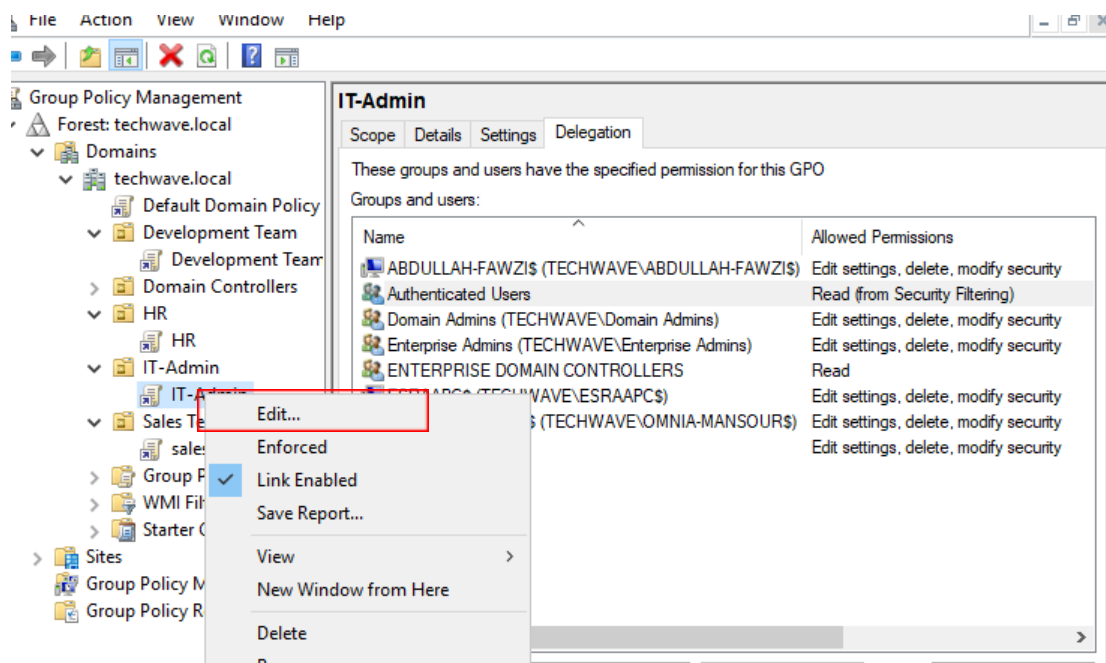


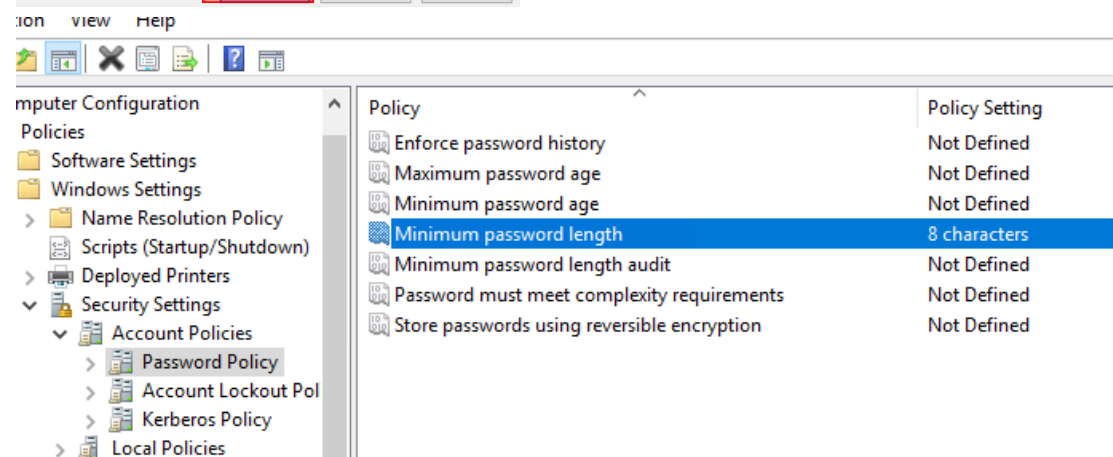
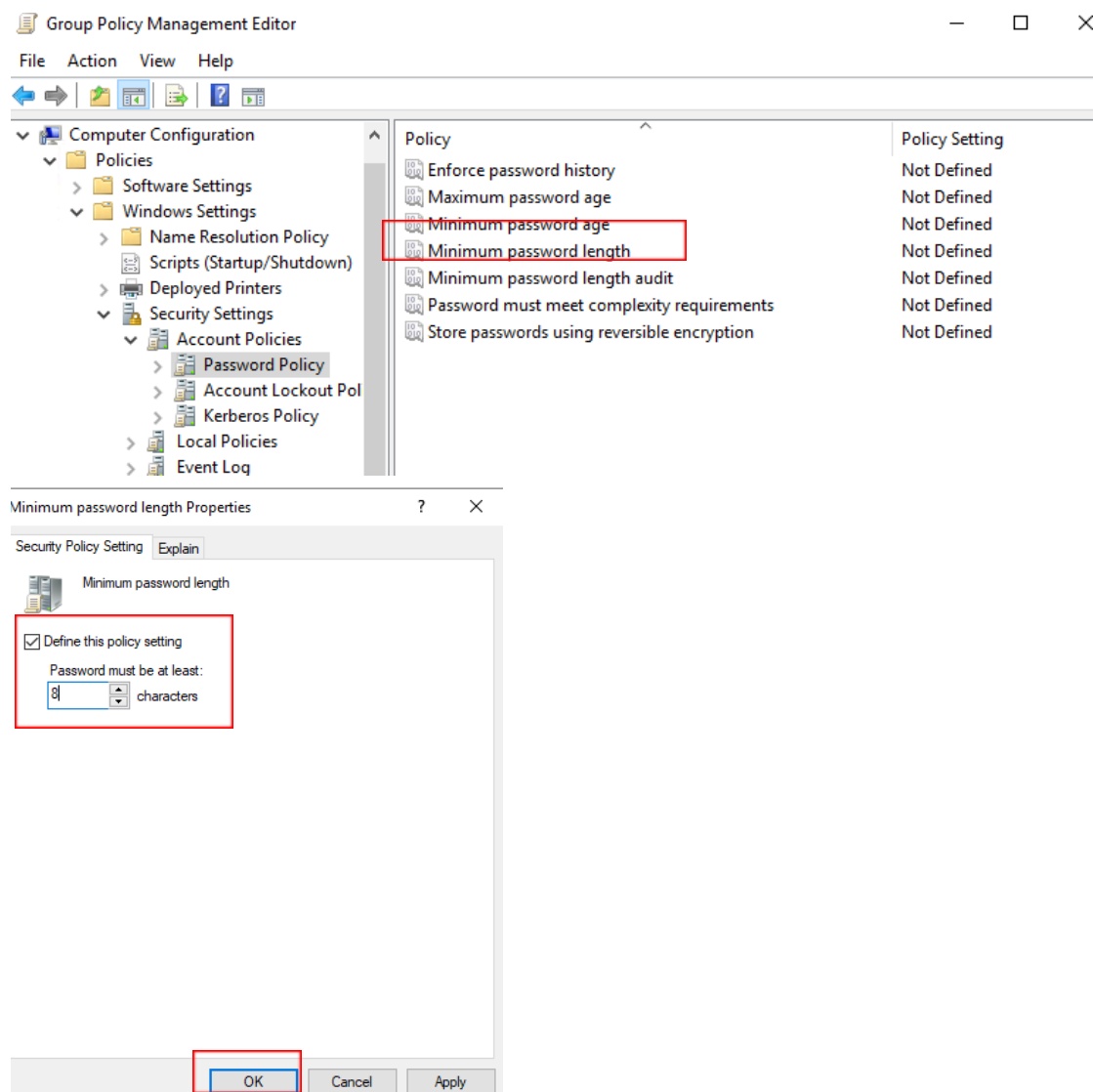


## :GPO for IT Admin-1

To set the password length for IT Admin: at least 8 characters

Edit, computer configuration, windows setting, security settings, Account policies, minimum password length

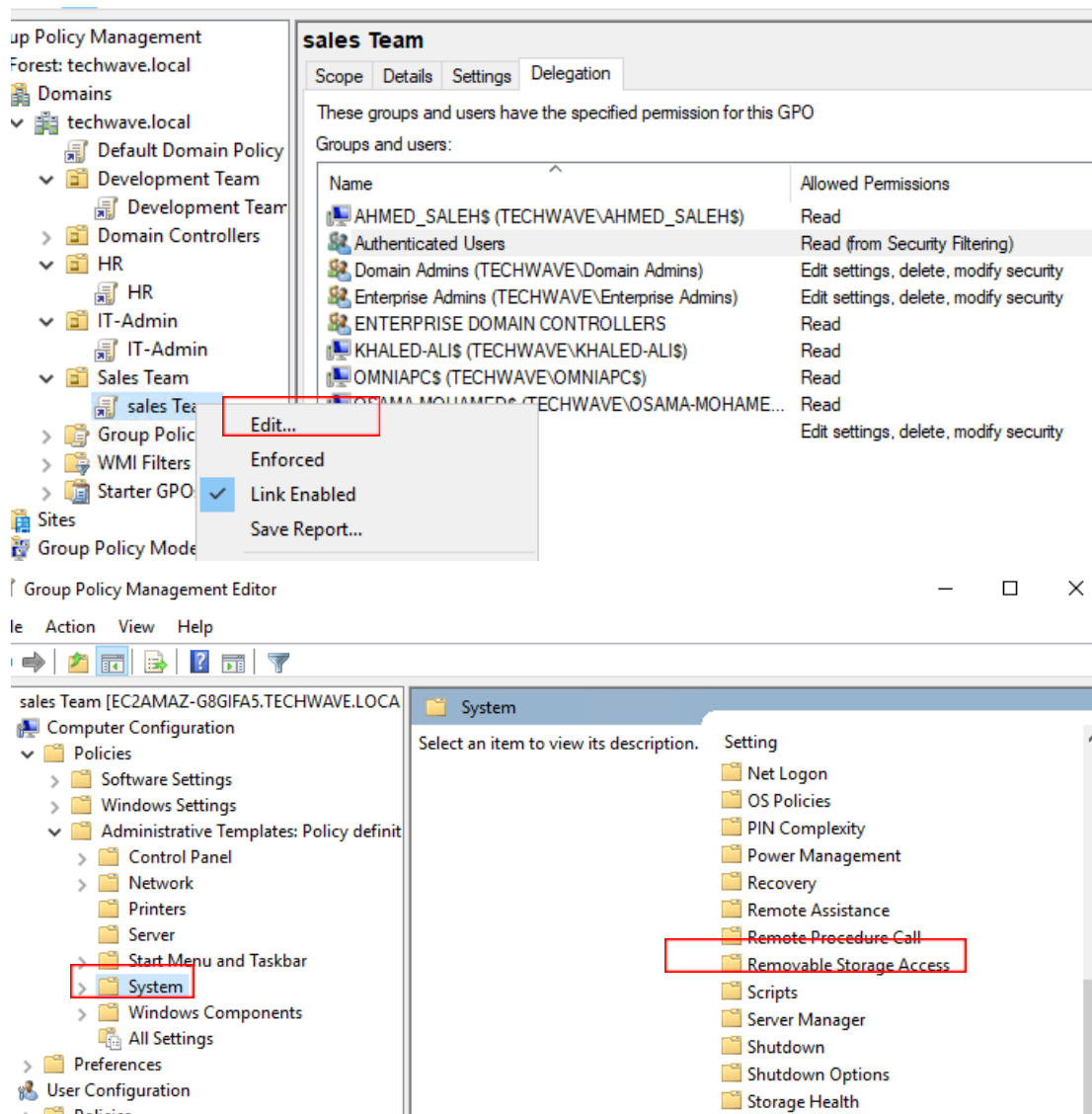


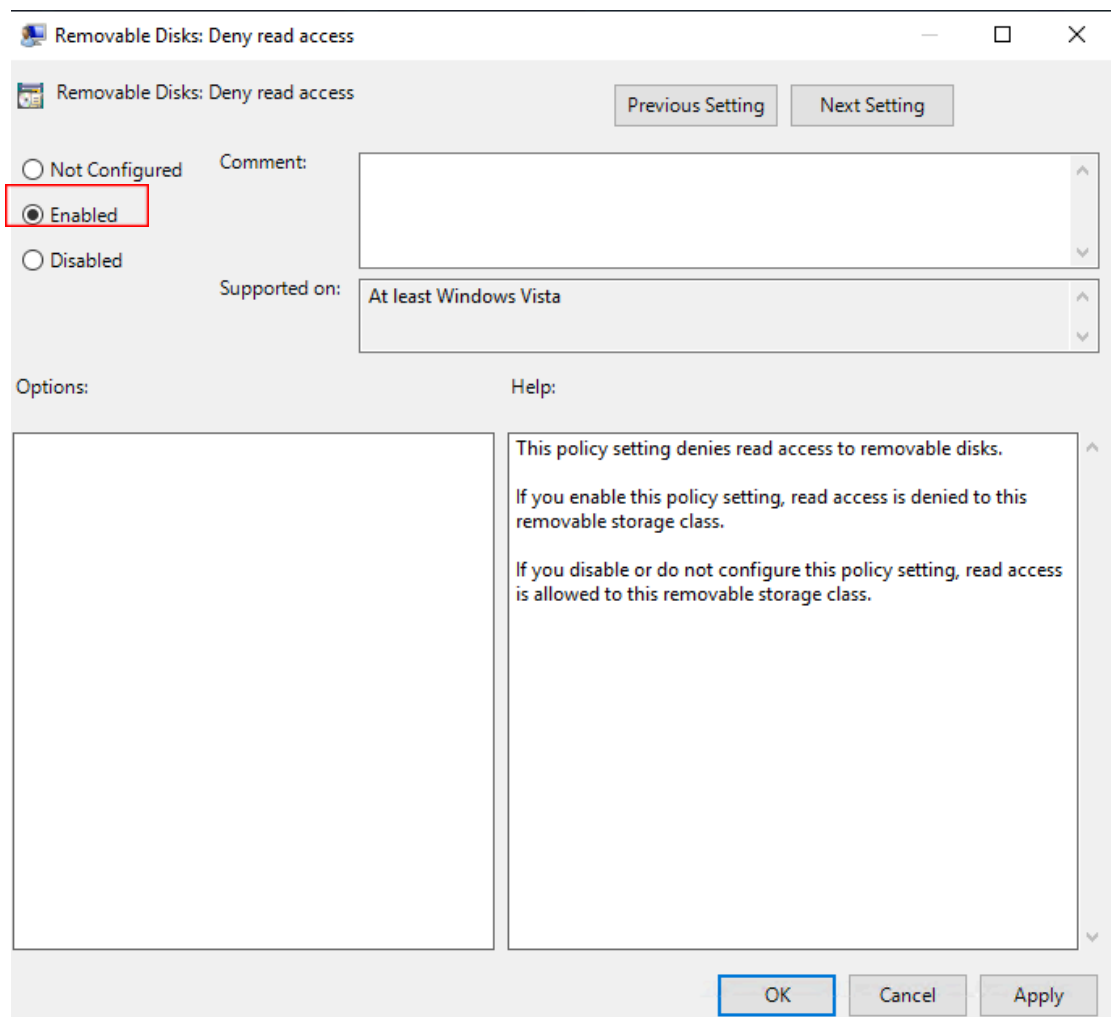
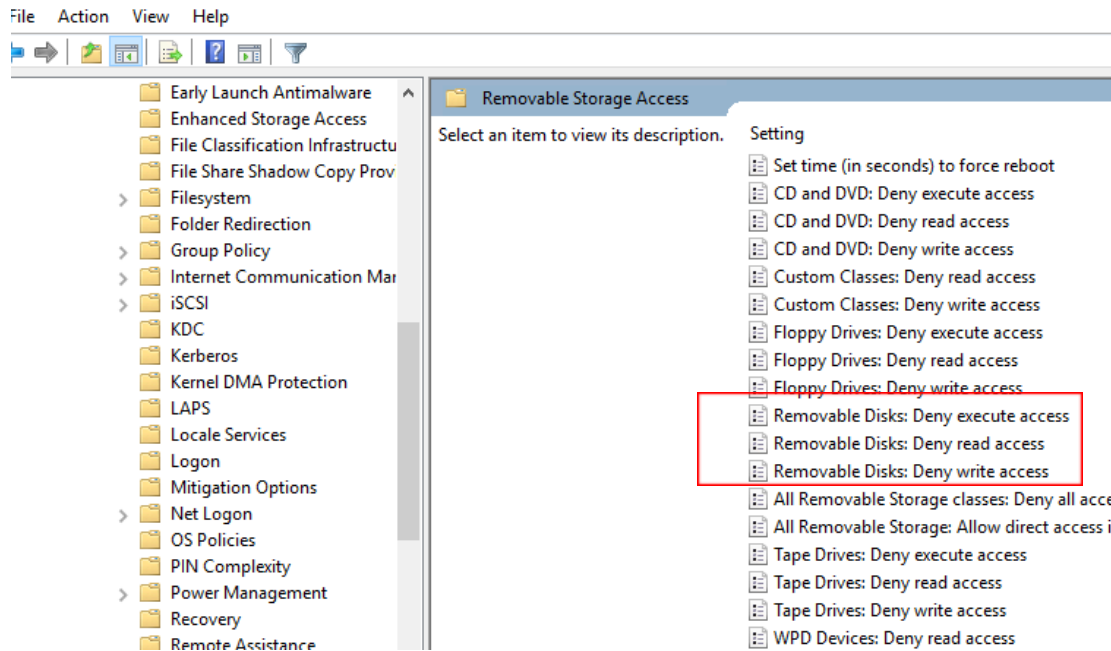


**:GPO for sales Team--2**

: (Control the use of external devices (USB Policy

Edit, computer configuration, Administrative Templates, system, Removable storage Access, Deny rwx access, enabled





Floppy Drives: Deny write access	Not configured
Removable Disks: Deny execute access	Enabled
Removable Disks: Deny read access	Enabled
Removable Disks: Deny write access	Enabled
All Removable Storage classes: Deny all access	Not configured

### :GPO for Development Team -3

**Data Encryption:** Enforce an encryption policy on all data stored on server used by the development team to secure sensitive data

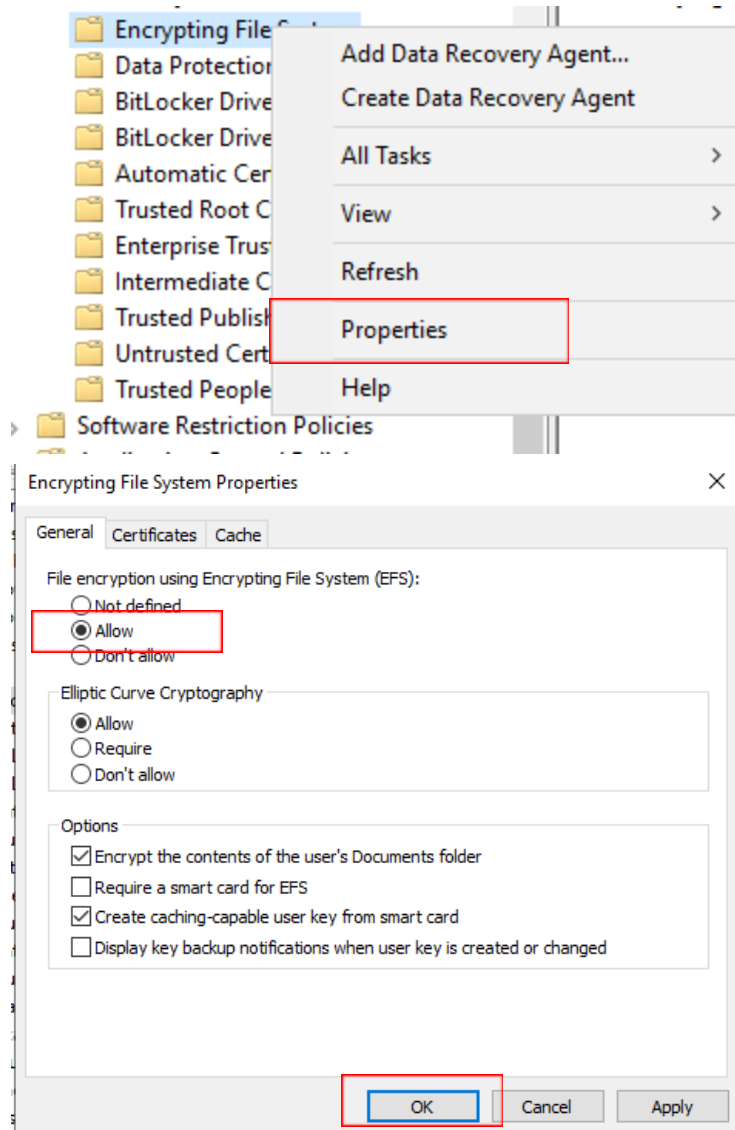
Edit, computer configuration, windows setting, security settings, public key policies, Encrypting file system, properties, allow to encrypt content

The screenshot displays the Group Policy Management console for the 'techwave.local' domain. The left pane shows the hierarchy: Domains > techwave.local > Development Team. The right pane shows the 'Development Team' GPO configuration, with the 'Settings' tab selected. A table lists the groups and users with their allowed permissions. Below this, the 'Computer Configuration' tree is expanded to 'Public Key Policies', and the 'Encrypting File System' policy is highlighted.

**Development Team GPO Configuration**

Name	Allowed Permissions
\\AVE\ABDULLAH\$	Read
\\CHWAVE\ANAS-EBRAHIMS\$	Read
\\CHWAVE\ANAS-EBRAHIMS\$	Read (from Security Filtering)
\\CHWAVE\Enterprise Admins	Edit settings, delete, modify security
\\CHWAVE\Enterprise Admins	Edit settings, delete, modify security
\\CHWAVE\ESLAM-GALAL\$	Read
\\CHWAVE\KARAN-KHAN\$	Read
\\CHWAVE\KUMARA-ARIF\$	Read
\\CHWAVE\ROHAN-JUBAN\$	Read

**Computer Configuration > Policies > Windows Settings > Security Settings > Public Key Policies > Encrypting File System**



## **:GPO for HR -4**

### **:Personal data management policies**

Edit, computer configuration, windows setting, security settings, file system, add file, select file (employee income), add employee in HR Team (salma, sam), ok

Group Policy Management

Forest: techwave.local

- Domains
  - techwave.local
    - Default Domain Policy
      - Development Team
      - Development Team
      - Domain Controllers
      - HR
        - Edit...**
        - Enforced
        - Link Enabled
        - Save Report...
        - View
        - New Window from Here
      - IT-A
      - Sales
      - Group
      - WM
      - Start

HR

Scope Details Settings Delegation

These groups and users have the specified permission for this GPO

Groups and users:

Name	Allowed Permissions
Authenticated Users	Read (from Security Filtering)
Domain Admins (TECHWAVE\Domain Admins)	Edit settings, delete, modify security
Enterprise Admins (TECHWAVE\Enterprise Admins)	Edit settings, delete, modify security
ENTERPRISE DOMAIN CONTROLLERS	Read
(TECHWAVE\SALMA-TAREK\$)	Read
(TECHWAVE\SAM-GEORGES\$)	Read
	Edit settings, delete, modify security

HR [EC2AMAZ-G8GIFA5.TECHWAVE.LOC. ^

- Computer Configuration
  - Policies
    - Software Settings
    - Windows Settings
      - Name Resolution Policy
      - Scripts (Startup/Shutdown)
      - Deployed Printers
      - Security Settings
        - Account Policies
        - Local Policies
        - Event Log
        - Restricted Groups
        - System Services
        - Registry
        - File System**
      - Central Access Policy
      - Wired Network (IEEE 80
      - Windows Defender Fire
      - Network List Manager F
      - Wireless Network (IEEE

- Name Resolution Policy
- Scripts (Startup/Shutdown)
- Deployed Printers
- Security Settings
  - Account Policies
  - Local Policies
  - Event Log
  - Restricted Groups
  - System Services
  - Registry
  - File System**
- Central Access Policy

Object Name

Central Access Policy

**Add File...**

Copy

Paste

Export List...

View >

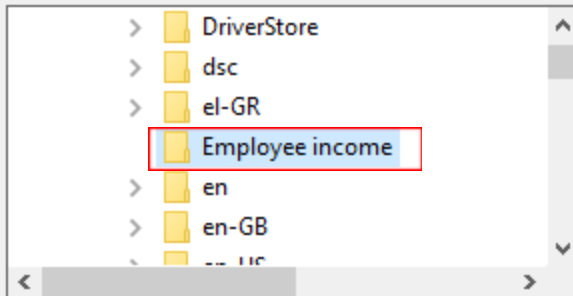
Arrange Icons >

Line up Icons

Help

Add a file or folder

Add this file or folder to the template:



Folder: Employee income

Make New Folder

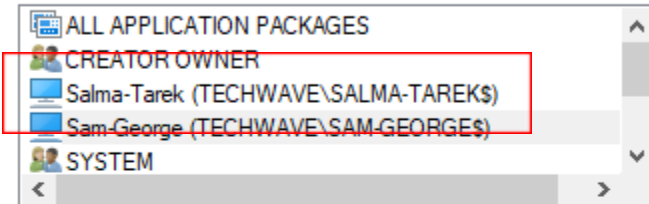
OK

Cancel

Database Security for %SystemRoot%\System3... ?

Security

Group or user names:



Add...

Remove

Permissions for Sam-George

	Allow	Deny
Full Control	<input type="checkbox"/>	<input type="checkbox"/>
Modify	<input type="checkbox"/>	<input type="checkbox"/>
Read and Execute	<input checked="" type="checkbox"/>	<input type="checkbox"/>
List Folder Contents	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Read	<input checked="" type="checkbox"/>	<input type="checkbox"/>

For special permissions or advanced settings, click Advanced.

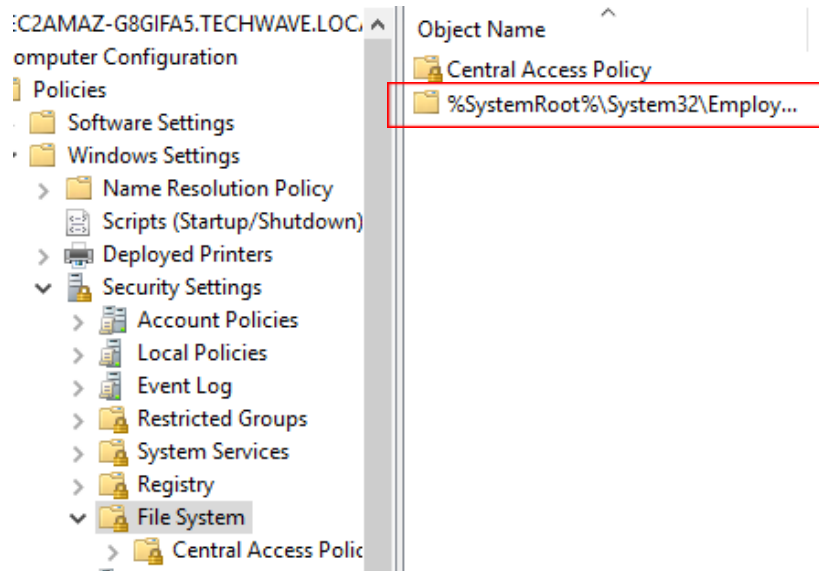
Advanced

OK

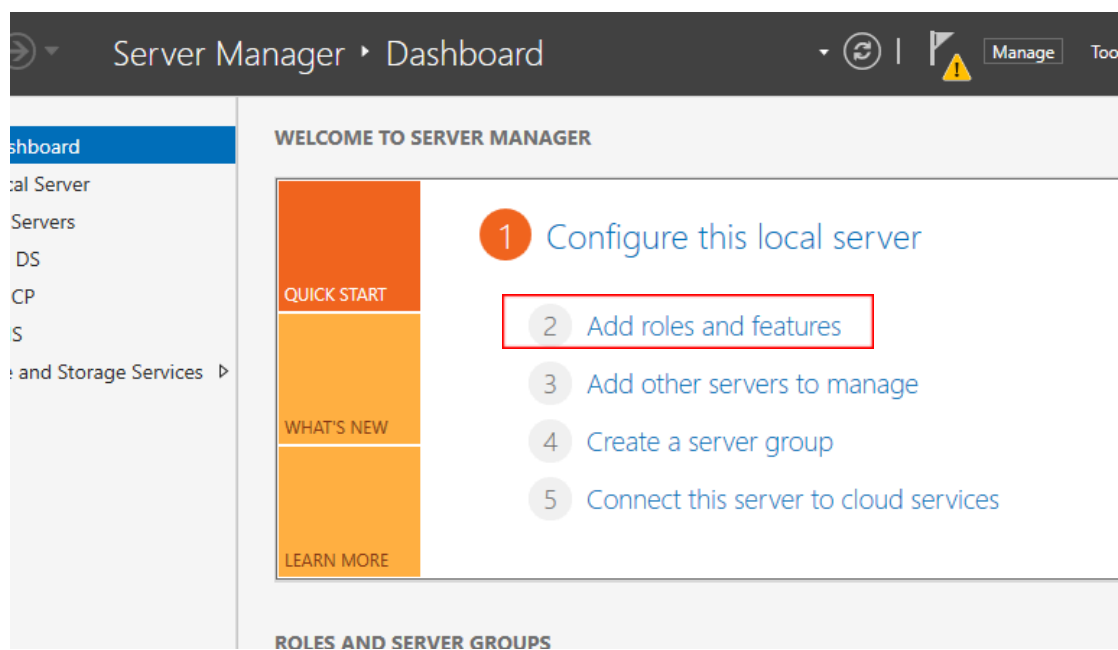
Cancel

Apply





printer-



## Select installation type

DESTINATION SERVER  
WIN-L6AT8RS82CC.network.local

Before You Begin

**Installation Type**

Server Selection

Server Roles

Features

Confirmation

Results

Select the installation type. You can install roles and features on a running physical computer or virtual machine, or on an offline virtual hard disk (VHD).

☒ **Role-based or feature-based installation**

Configure a single server by adding roles, role services, and features.

☐ **Remote Desktop Services installation**

Install required role services for Virtual Desktop Infrastructure (VDI) to create a virtual machine-based or session-based desktop deployment.

&lt; Previous

Next &gt;

Install

Cancel

## Select destination server

DESTINATION SERVER  
EC2AMAZ-G8GIFA5.techwave.local

Before You Begin  
Installation Type  
**Server Selection**  
Server Roles  
Features  
Confirmation  
Results

Select a server or a virtual hard disk on which to install roles and features.

- ☒ Select a server from the server pool  
☐ Select a virtual hard disk

### Server Pool

Filter:

Name	IP Address	Operating System
EC2AMAZ-G8GIFA5.tech...	169.254.89.77,...	Microsoft Windows Server 2019 Datacenter

1 Computer(s) found

This page shows servers that are running Windows Server 2012 or a newer release of Windows Server, and that have been added by using the Add Servers command in Server Manager. Offline servers and newly-added servers from which data collection is still incomplete are not shown.

< Previous

Next >

Install

Cancel

## Add Roles and Features Wizard

## Select server roles

DESTINATION SERVER  
WIN-L6AT8R582CC.network.local

**Warning** The destination server has a pending restart. We recommend that you restart the destination server before either installing or...

Before You Begin  
Installation Type  
Server Selection  
**Server Roles**  
Features  
Confirmation  
Results

Select one or more roles to install on the selected server.

### Roles

- ☐ Active Directory Federation Services
- ☐ Active Directory Lightweight Directory Services
- ☐ Active Directory Rights Management Services
- ☐ Device Health Attestation
- ☒ DHCP Server (Installed)
- ☒ DNS Server (Installed)
- ☐ Fax Server
- ☒ File and Storage Services (2 of 12 installed)
- ☐ Host Guardian Service
- ☐ Hyper-V
- ☐ Network Policy and Access Services
- ☐ **Print and Document Services**
- ☐ Remote Access
- ☐ Remote Desktop Services
- ☐ Volume Activation Services
- ☒ Web Server (IIS) (8 of 43 installed)
- ☐ Windows Deployment Services
- ☐ Windows Server Update Services

### Description

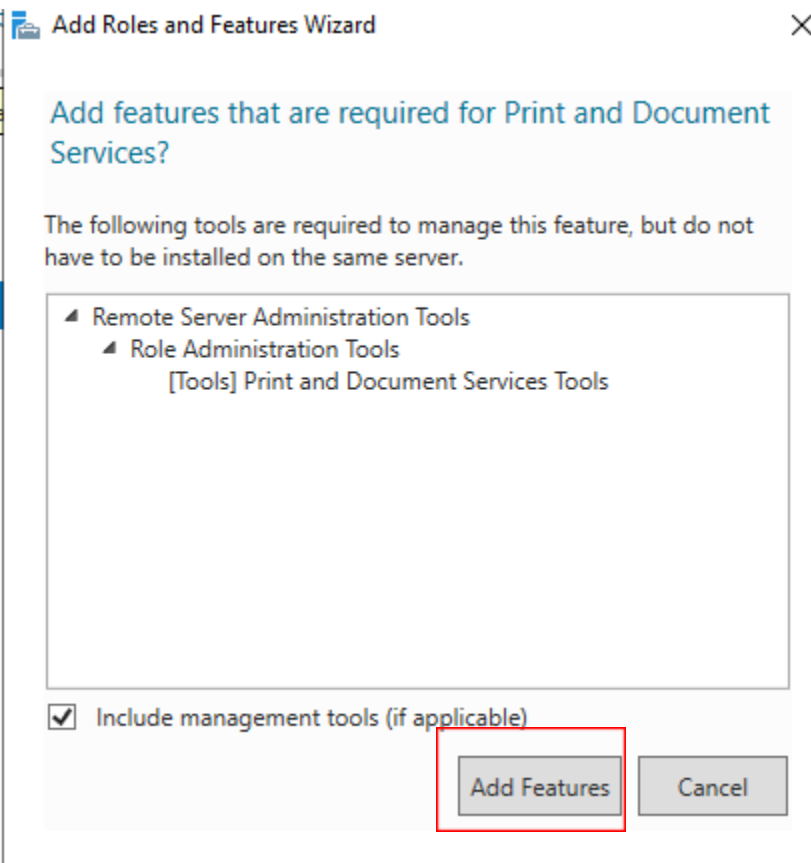
Active Directory Certificate Services (AD CS) is used to create certification authorities and related role services that allow you to issue and manage certificates used in a variety of applications.

< Previous

Next >


Install

Cancel



## Select server roles

WIN-L6

 The destination server has a pending restart. We recommend that you restart the destination server before either

Select one or more roles to install on the selected server.

Before You Begin

Installation Type

Server Selection

**Server Roles**

Features

Print and Document Servi...

Role Services

Confirmation

Results

### Roles

- ☐ Active Directory Federation Services
- ☐ Active Directory Lightweight Directory Services
- ☐ Active Directory Rights Management Services
- ☐ Device Health Attestation
- ☒ DHCP Server (Installed)
- ☒ DNS Server (Installed)
- ☐ Fax Server
- ☒ File and Storage Services (2 of 12 installed)
- ☐ Host Guardian Service
- ☐ Hyper-V
- ☐ Network Policy and Access Services
- ☒ **Print and Document Services**
- ☐ Remote Access
- ☐ Remote Desktop Services
- ☐ Volume Activation Services
- ☒ Web Server (IIS) (8 of 43 installed)
- ☐ Windows Deployment Services
- ☐ Windows Server Update Services

### Description

Print and Document Services enables you to manage and network print tasks.

< Previous

Next >

Ins

## Select features

DESTINATION  
WIN-L6AT8RS82CC.n

**⚠ The destination server has a pending restart. We recommend that you restart the destination server before either installing**

Select one or more features to install on the selected server.

Before You Begin

Installation Type

Server Selection

Server Roles

Features

Print and Document Servi...

Role Services

Confirmation

Results

### Features

- ☐ .NET Framework 3.5 Features
- ☒ .NET Framework 4.7 Features (2 of 7 installed)
- ☐ Background Intelligent Transfer Service (BITS)
- ☐ BitLocker Drive Encryption
- ☐ BitLocker Network Unlock
- ☐ BranchCache
- ☐ Client for NFS
- ☐ Containers
- ☐ Data Center Bridging
- ☐ Direct Play
- ☐ Enhanced Storage
- ☐ Failover Clustering
- ☒ Group Policy Management (Installed)
- ☐ Host Guardian Hyper-V Support
- ☐ I/O Quality of Service
- ☐ IIS Hostable Web Core
- ☐ Internet Printing Client

### Description

.NET Framework 3.5 combines the power of the .NET Framework APIs with new technologies for building applications that have appealing user interfaces, protect your customers' personal information, enable seamless secure communication, and the ability to model a range of business processes.

< Previous

Next >

Install

## Print and Document Services

WIN-L6AT8RS82CC.network.doc

Before You Begin

Installation Type

Server Selection

Server Roles

Features

Print and Document Servi...

Role Services

Confirmation

Results

Print and Document Services enables you to centralize print server and network printer management tasks.

### Things to Note

- Windows Server 2019 supports print queues using either Type 3 or Type 4 printer drivers.
- Microsoft recommends using Type 4 printer drivers where possible. With Type 4 printer drivers used, users who are not members of the local administrators group can connect to the printer by default and users on 32-bit clients can connect without a 32-bit driver on the print server.
- To enable clients to connect to shared print queues supported using Type 3 printer drivers on the print server, you should use signed, package aware drivers. If signed or package aware drivers are unavailable, client users must either be local administrators or you must have already set the "Computer\Administrative Templates\Printers\Point and Print Restrictions" group policy to configure security prompts.
- If you are using Type 3 printer drivers and have any 32-bit clients, you must install the matching 32-bit version of the printer driver on the print server. If you do not install the 32-bit drivers, clients may not be able to successfully connect to the printer.

[Learn more about the Printer Server Role](#)

< Previous


Next >

Install

Cancel

## Select role services

DESTINATION SE  
WIN-L6AT8RS82CC.network

 The destination server has a pending restart. We recommend that you restart the destination server before either installing or...

Before You Begin

Installation Type

Server Selection

Server Roles

Features

Print and Document Servi...

Role Services

Confirmation

Results

Select the role services to install for Print and Document Services

### Role services

- ☒ Print Server
- ☐ Internet Printing
- ☐ LPD Service

### Description

Internet Printing creates a Web where users can manage print jobs on the server. It also enables users who have Internet Printing Client installed to use a Web browser to connect and print to shared printers on this server by using the Internet Printing Protocol (IPP).

< Previous


Next >

Install

Cancel

## Confirm installation selections

DESTINATION SE  
WIN-L6AT8RS82CC.network

 The destination server has a pending restart. We recommend that you restart the destination server before either installing or...

Before You Begin

Installation Type

Server Selection

Server Roles

Features

Print and Document Servi...

Role Services

Confirmation

Results

To install the following roles, role services, or features on selected server, click Install.

- ☐ Restart the destination server automatically if required

Optional features (such as administration tools) might be displayed on this page because they have been selected automatically. If you do not want to install these optional features, click Previous to clear their check boxes.

### Print and Document Services

Print Server

### Remote Server Administration Tools

Role Administration Tools

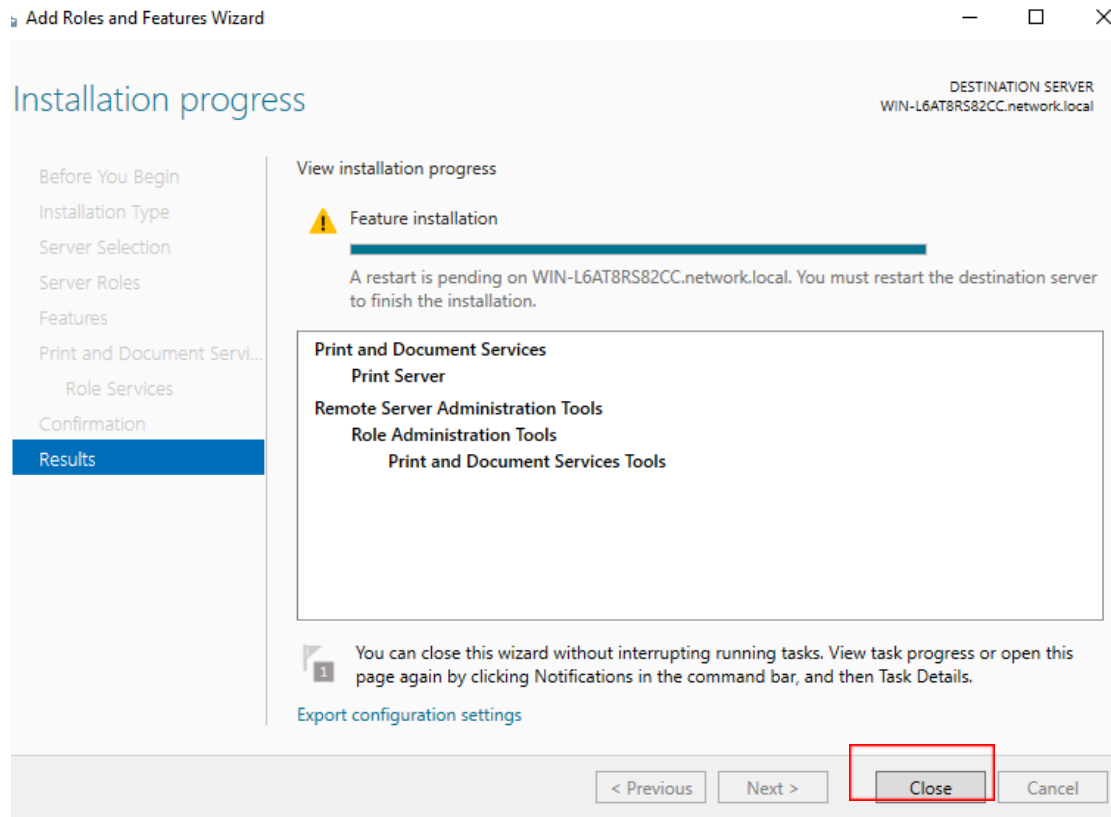
Print and Document Services Tools

[Export configuration settings](#)  
[Specify an alternate source path](#)

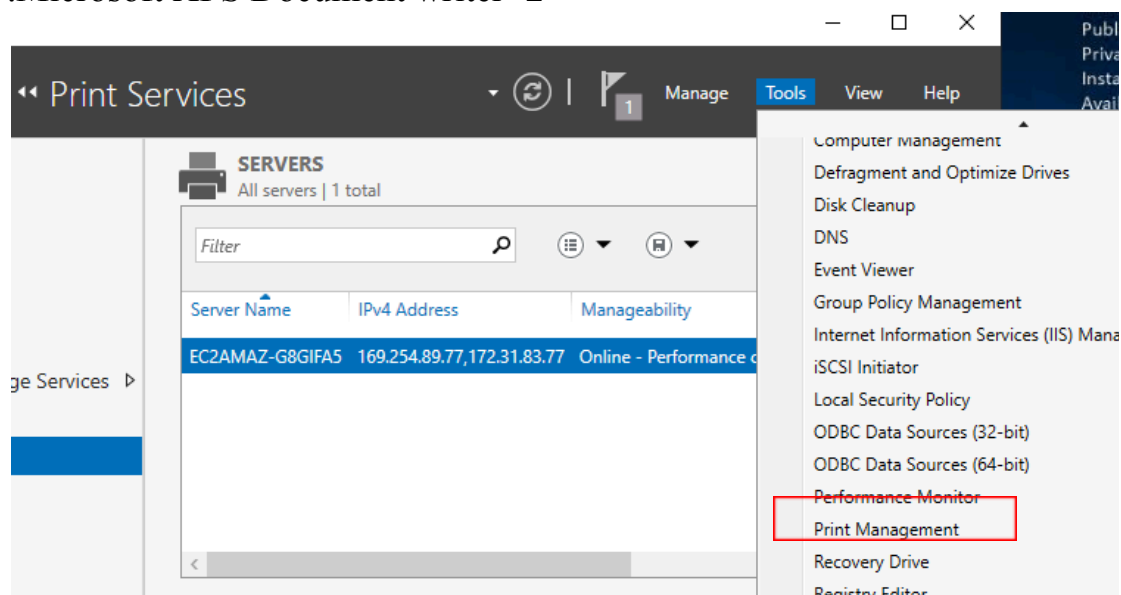
< Previous

Next >

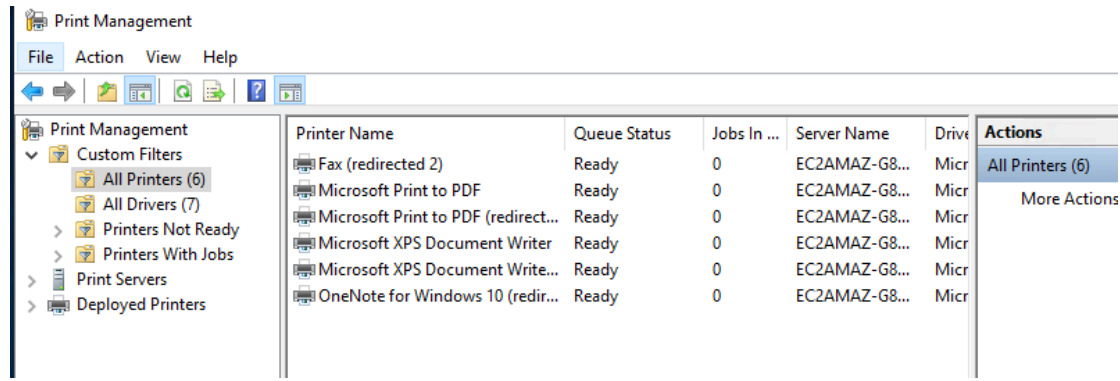
Install



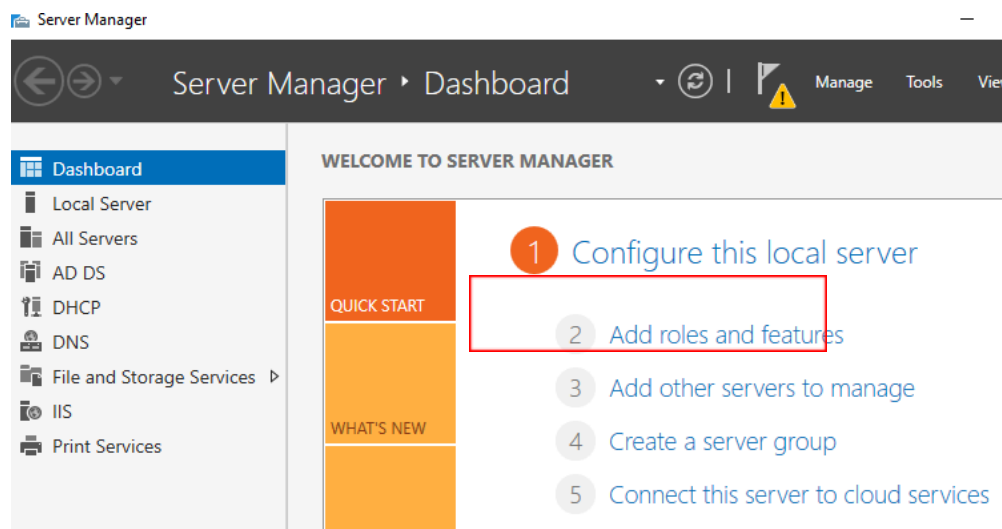
**:In addition, there is a virtual printer-**  
 .microsoft PCL6 Class Driver-1  
 .Microsoft XPS Document writer -2

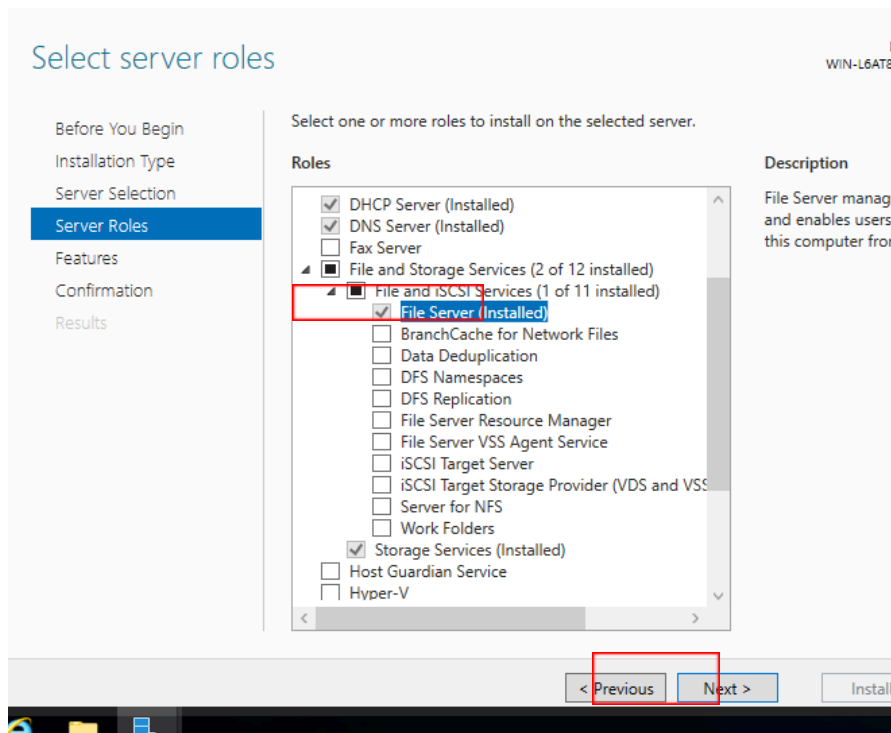
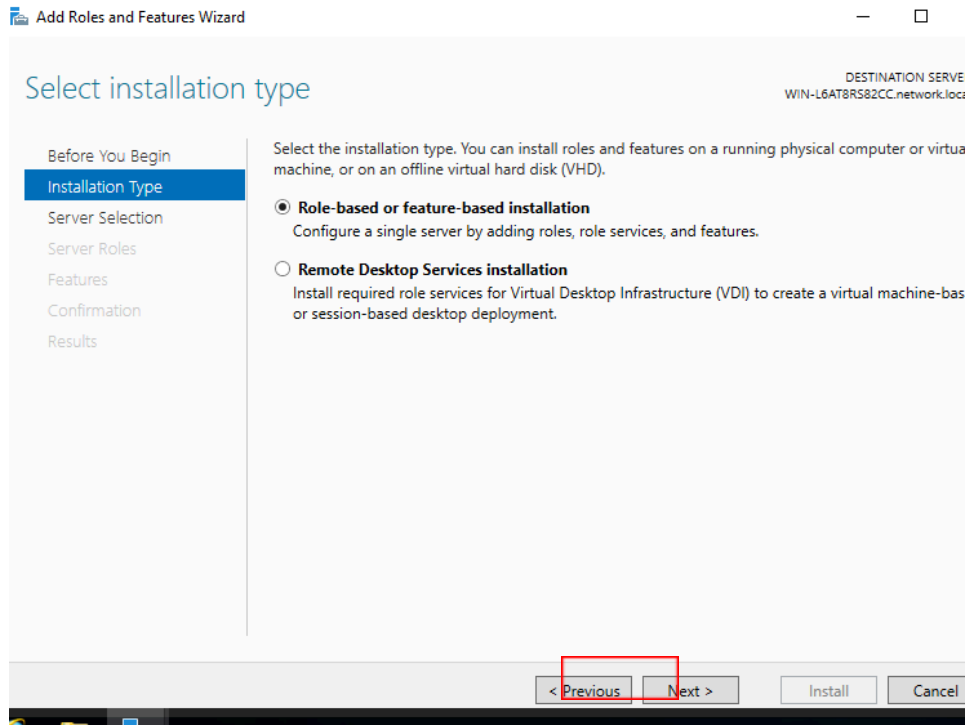






**install Samba share:** To share files and folders-





## Select features

WIN-L6AT

Before You Begin

Installation Type

Server Selection

Server Roles

**Features**

Confirmation

Results

Select one or more features to install on the selected server.

## Features

- ☐ Peer Name Resolution Protocol
- ☐ Quality Windows Audio Video Experience
- ☐ RAS Connection Manager Administration Kit (CMA)
- ☐ Remote Assistance
- ☐ Remote Differential Compression
- ☒ Remote Server Administration Tools (6 of 41 installed)
- ☐ RPC over HTTP Proxy
- ☐ Setup and Boot Event Collection
- ☐ Simple TCP/IP Services
- ☒ **SMB 1.0/CIFS File Sharing Support**
  - ☐ SMB 1.0/CIFS Client
  - ☐ SMB 1.0/CIFS Server
- ☐ SMB Bandwidth Limit
- ☐ SMTP Server
- ☐ SNMP Service
- ☐ Storage Replica
- ☐ Telnet Client
- ☐ TFTP Client
- ☐ VM Shielding Tools for Fabric Management

## Description

Support for the S  
sharing protocol,  
Browser protocol

&lt; Previous

Next &gt;

Install

## Confirm installation selections

DESTINATION SER

WIN-L6AT8RS82CC.network.)

Before You Begin

Installation Type

Server Selection

Server Roles

Features

**Confirmation**

Results

To install the following roles, role services, or features on selected server, click Install.

☐ Restart the destination server automatically if required

Optional features (such as administration tools) might be displayed on this page because they have been selected automatically. If you do not want to install these optional features, click Previous to clear their check boxes.

## Remote Server Administration Tools

Role Administration Tools

Fax Server Tools

## SMB 1.0/CIFS File Sharing Support

SMB 1.0/CIFS Client

SMB 1.0/CIFS Server

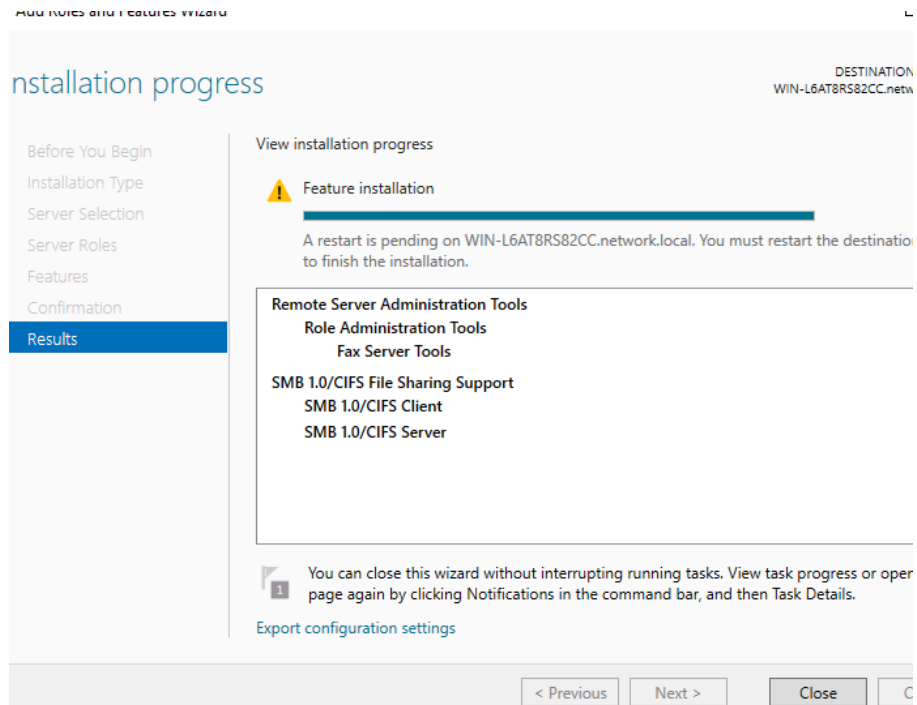
Export configuration settings  
Specify an alternate source path

&lt; Previous

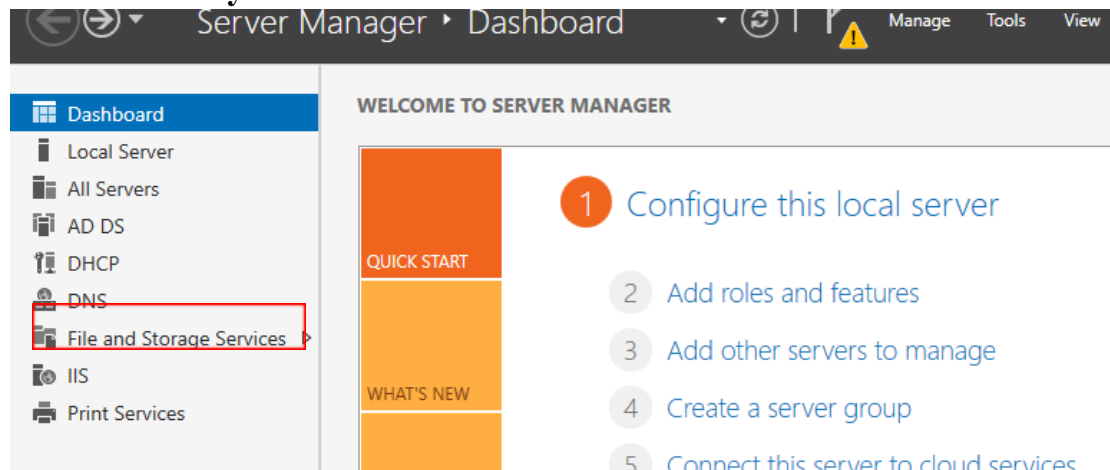
Next &gt;

Install

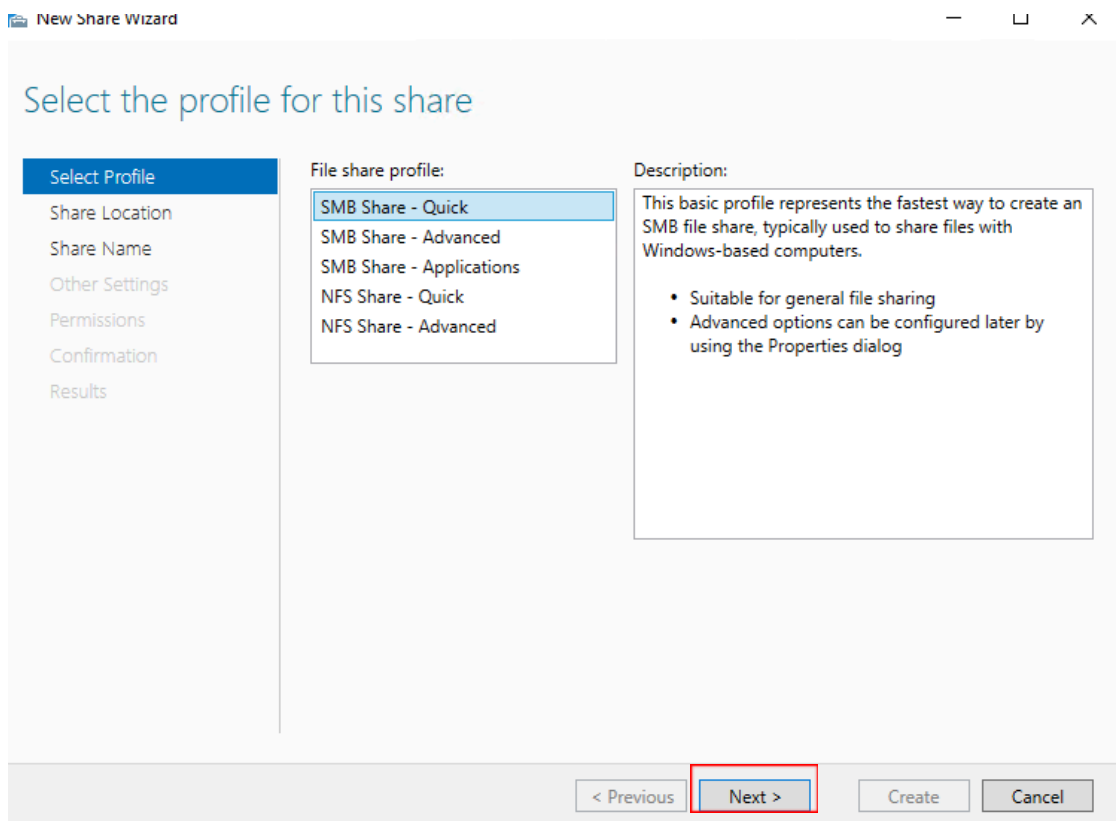
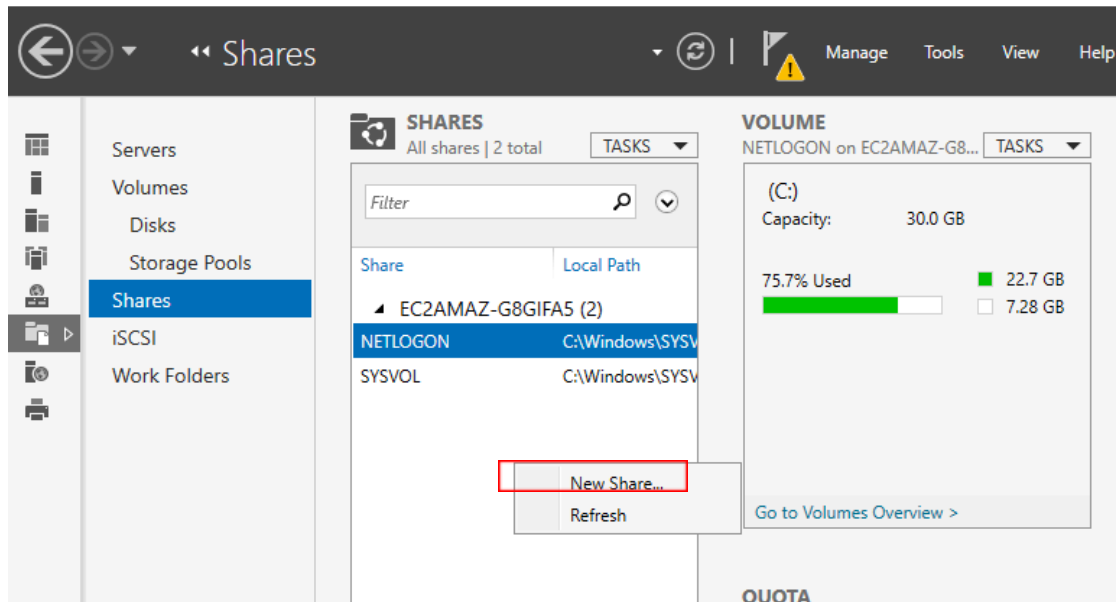
Cancel



## share folder by samba -



click right on space, new share-



New Share Wizard

## Select the server and path for this share

Select Profile

**Share Location**

Share Name

Other Settings

Permissions

Confirmation

Results

Server:

Server Name	Status	Cluster Role	Owner Node
EC2AMAZ-G8GIFA5	Online	Not Clustered	

Share location:

☐ Select by volume:

Volume	Free Space	Capacity	File System
C:	7.28 GB	30.0 GB	NTFS

The location of the file share will be a new folder in the \Shares directory on the selected volume.

☒ Type a custom path:

## Specify share name

Select Profile

Share Location

**Share Name**

Other Settings

Permissions

Confirmation

Results

Share name:

Share description:

Local path to share:

Remote path to share:

New Share Wizard

## Configure share settings

Select Profile

Share Location

Share Name

Other Settings

Permissions

Confirmation

Results

☐ Enable access-based enumeration

Access-based enumeration displays only the files and folders that a user has permissions to access. If a user does not have Read (or equivalent) permissions for a folder, Windows hides the folder from the user's view.

☒ Allow caching of share

Caching makes the contents of the share available to offline users. If the BranchCache for Network Files role service is installed, you can enable BranchCache on the share.

☐ Enable BranchCache on the file share

BranchCache enables computers in a branch office to cache files downloaded from this share, and then allows the files to be securely available to other computers in the branch.

☐ Encrypt data access

When enabled, remote file access to this share will be encrypted. This secures the data against unauthorized access while the data is transferred to and from the share. If this box is checked and grayed out, an administrator has turned on encryption for the entire server.

< Previous

Next >

Create

Cancel

## Specify permissions to control access

Select Profile

Share Location

Share Name

Other Settings

Permissions

Confirmation

Results

Permissions to access the files on a share are set using a combination of folder permissions, share permissions, and, optionally, a central access policy.

Share permissions: Everyone Full Control

Folder permissions:

Type	Principal	Access	Applies To
Allow	TECHWAVE\Administrat...	Full Contr...	This folder, subfolders, and files
Allow	BUILTIN\Administrators	Full Contr...	This folder, subfolders, and files
Allow	NT AUTHORITY\SYSTEM	Full Contr...	This folder, subfolders, and files
Allow	BUILTIN\IIS_IUSRS	Modify	This folder, subfolders, and files

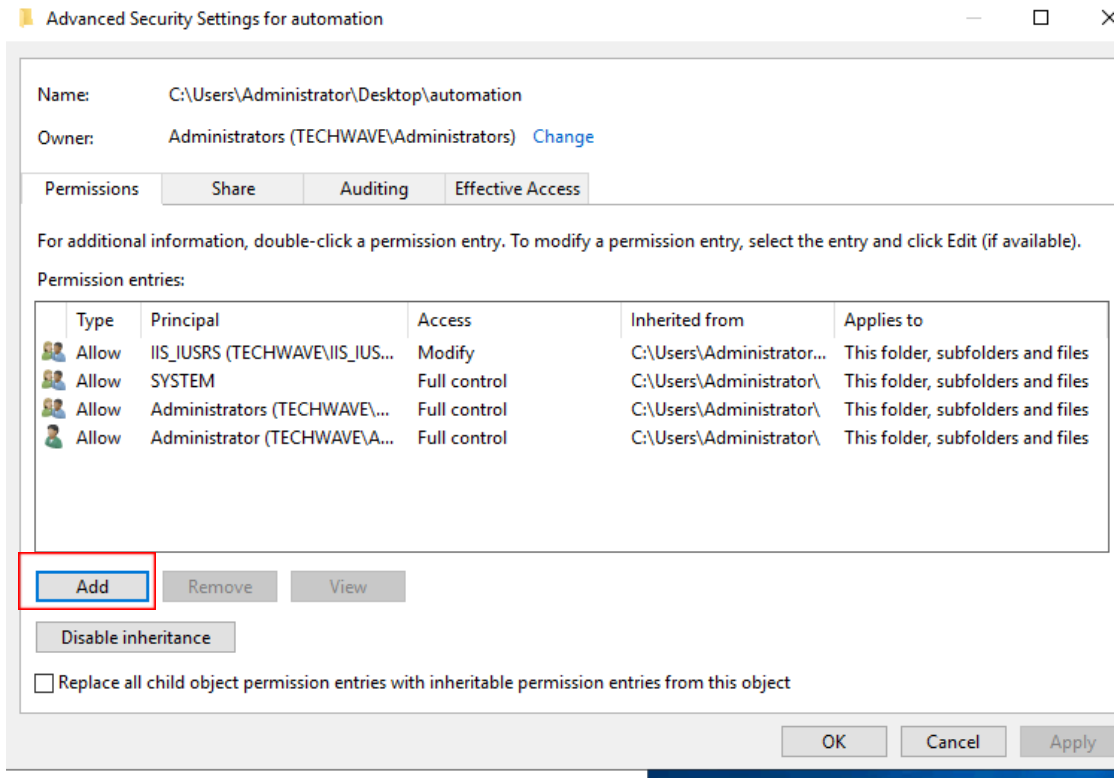
Customize permissions...

< Previous

Next >

Create

Cancel



#### Permission Entry for automation

Principal: [Select a principal](#)

Type: Allow

Applies to: This folder, subfolders and files

Select User, Computer, Service Account, or Group

Select this object type:  
User, Computer, Group, or Built-in security principal [Object Types...](#)

From this location:  
techwave.local [Locations...](#)

Enter the object name to select (examples):  
[Abdullah](#) [Check Names](#)

[Advanced...](#) **OK** Cancel



## Permission Entry for automation

Principal: Abdullah (TECHWAVE\ABDULLAH\$) [Select a principal](#)

Type: Allow

Applies to: This folder, subfolders and files

### Basic permissions:

[Show advanced permis](#)

- ☐ Full control
- ☐ Modify
- ☒ Read & execute
- ☒ List folder contents
- ☒ Read
- ☐ Write
- ☐ Special permissions

☐ Only apply these permissions to objects and/or containers within this container

[Clear](#)

Add a condition to limit access. The principal will be granted the specified permissions only if conditions are met.

[Add a condition](#)

OK

## Advanced Security Settings for automation

Name: C:\Users\Administrator\Desktop\automation

Owner: Administrators (TECHWAVE\Administrators) [Change](#)

Permissions Share Auditing Effective Access

For additional information, double-click a permission entry. To modify a permission entry, select the entry and click Edit (if available).

### Permission entries:

Type	Principal	Access	Inherited from	Applies to
Allow	Esraa mubarak (esraa@techw...	Read & execute	None	This folder, subfolders and files
Allow	esraapc (TECHWAVE\ESRAAP...	Read & execute	None	This folder, subfolders and files
Allow	Abdullah (TECHWAVE\ABDUL...	Read & execute	None	This folder, subfolders and files
Allow	IIS_IUSRS (TECHWAVE\IIS_IUS...	Modify	C:\Users\Administrator...	This folder, subfolders and files
Allow	SYSTEM	Full control	C:\Users\Administrator\	This folder, subfolders and files
Allow	Administrators (TECHWAVE\...	Full control	C:\Users\Administrator\	This folder, subfolders and files
Allow	Administrator (TECHWAVE\A...	Full control	C:\Users\Administrator\	This folder, subfolders and files

[Add](#)

[Remove](#)

[Edit](#)

[Disable inheritance](#)

☐ Replace all child object permission entries with inheritable permission entries from this object

OK

Cancel

Apply

## Confirm selections

Select Profile

Share Location

Share Name

Other Settings

Permissions

**Confirmation**

Results

Confirm that the following are the correct settings, and then click Create.

**SHARE LOCATION**

Server: EC2AMAZ-G8GIFA5

Cluster role: Not Clustered

Local path: C:\Users\Administrator\Desktop\automation

**SHARE PROPERTIES**

Share name: automation

Protocol: SMB

Access-based enumeration: Disabled

Caching: Enabled

BranchCache: Disabled

Encrypt data: Disabled

< Previous

Next >

**Create**

Cancel

## Shares

Servers

Volumes

Disks

Storage Pools

**Shares**

iSCSI

Work Folders

**SHARES**

All shares | 3 total

TASKS

Filter

Local Path

G8GIFA5 (3)

C:\Users\Administrator\Desktop\automation

C:\Windows\SYSVOL\systvol

C:\Windows\SYSVOL\systvol\tech...

**VOLUME**

automation on EC2AMAZ-G8...

TASKS

(C:)

Capacity: 30.0 GB

75.7% Used

22.7 GB

7.28 GB

Go to Volumes Overview >

**QUOTA**

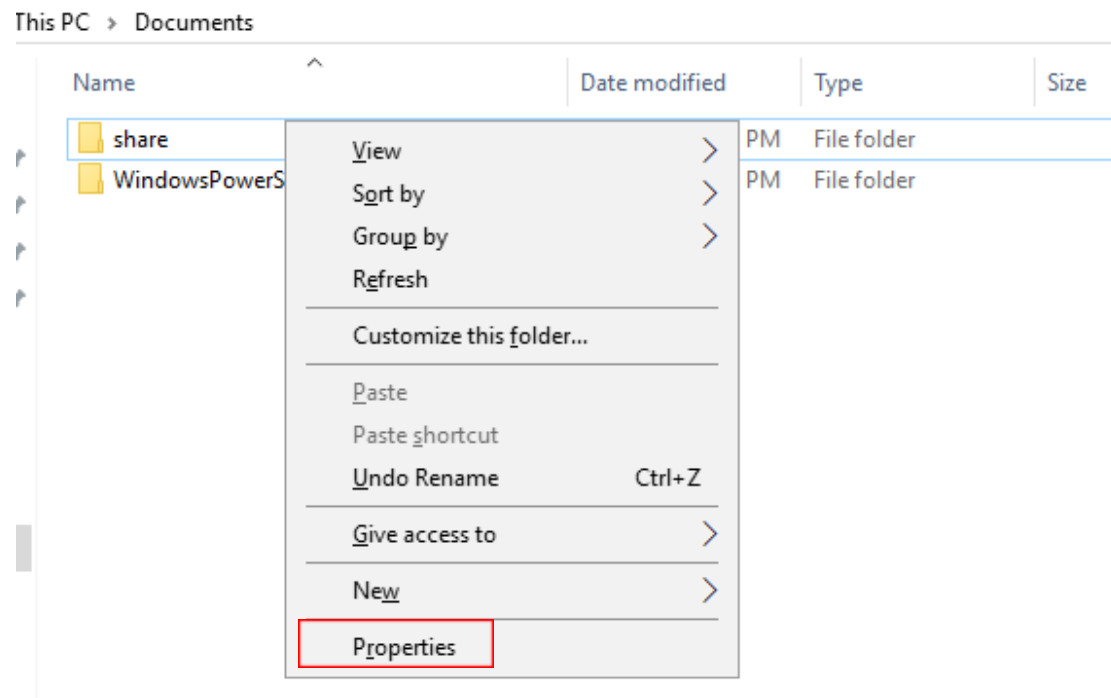
automation on EC2AMAZ-G8GIFA5

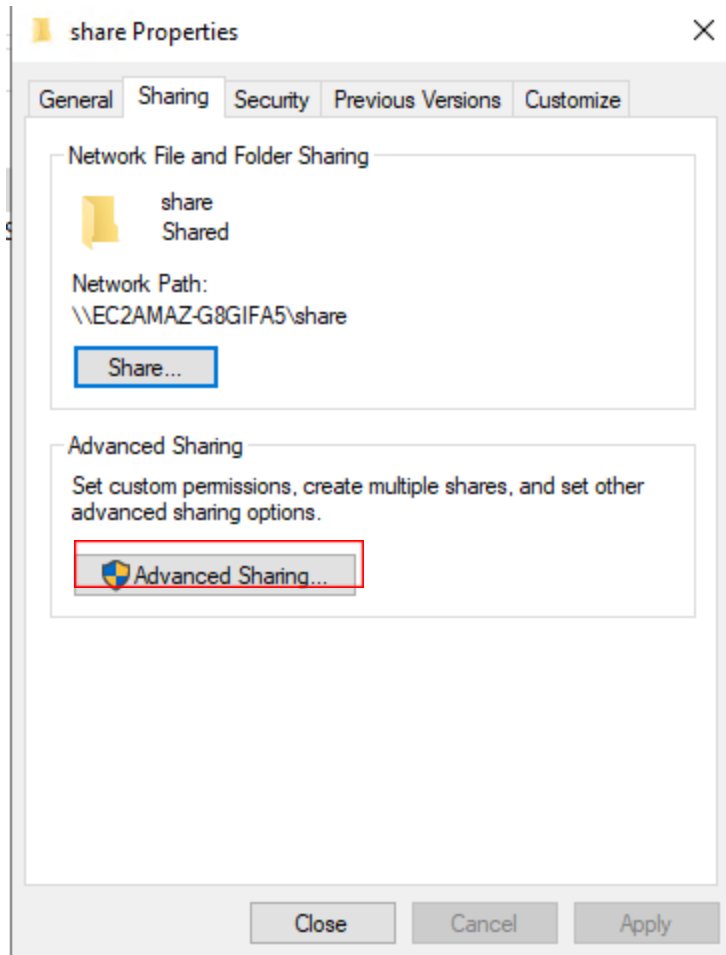
To use quotas, File Server Resource Manager must be installed.

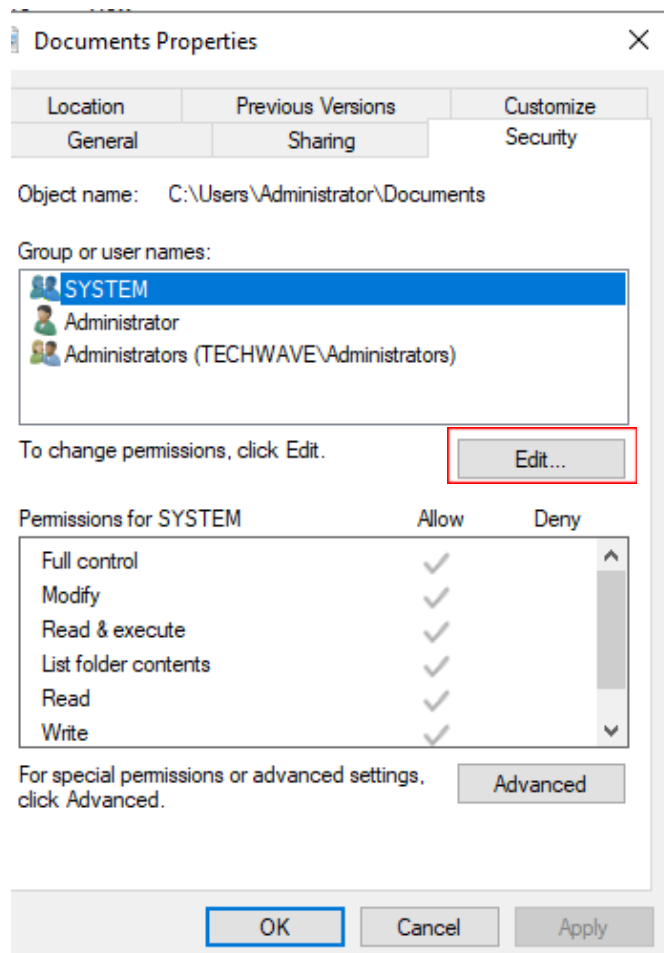
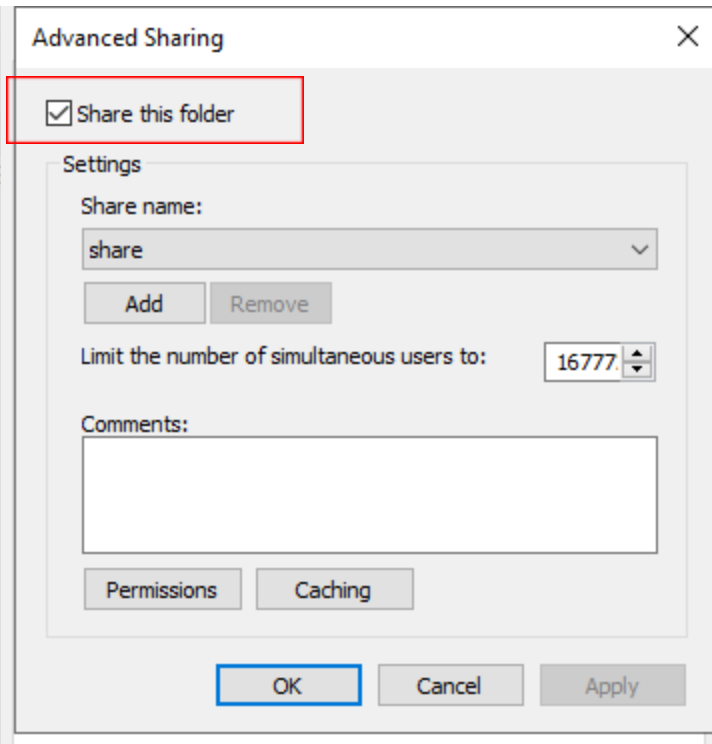
To install File Server Resource Manager, start the Add Roles and Features Wizard.

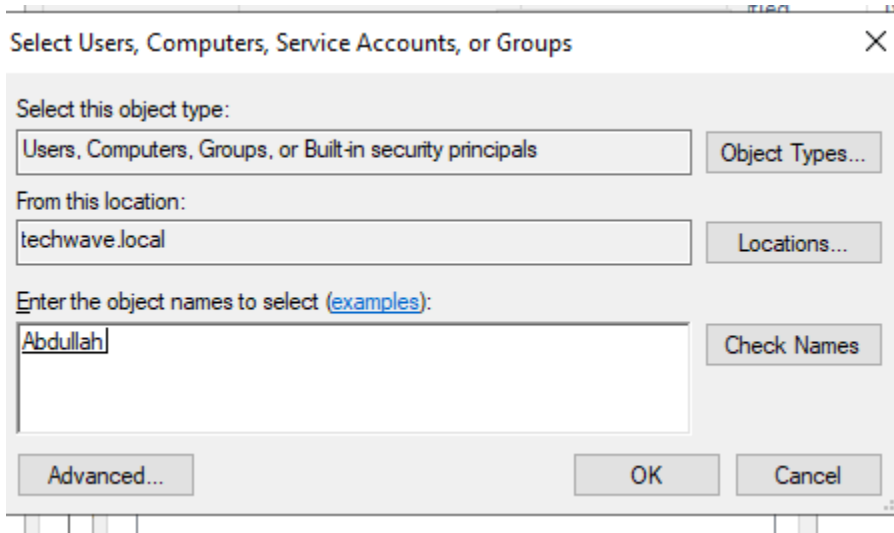
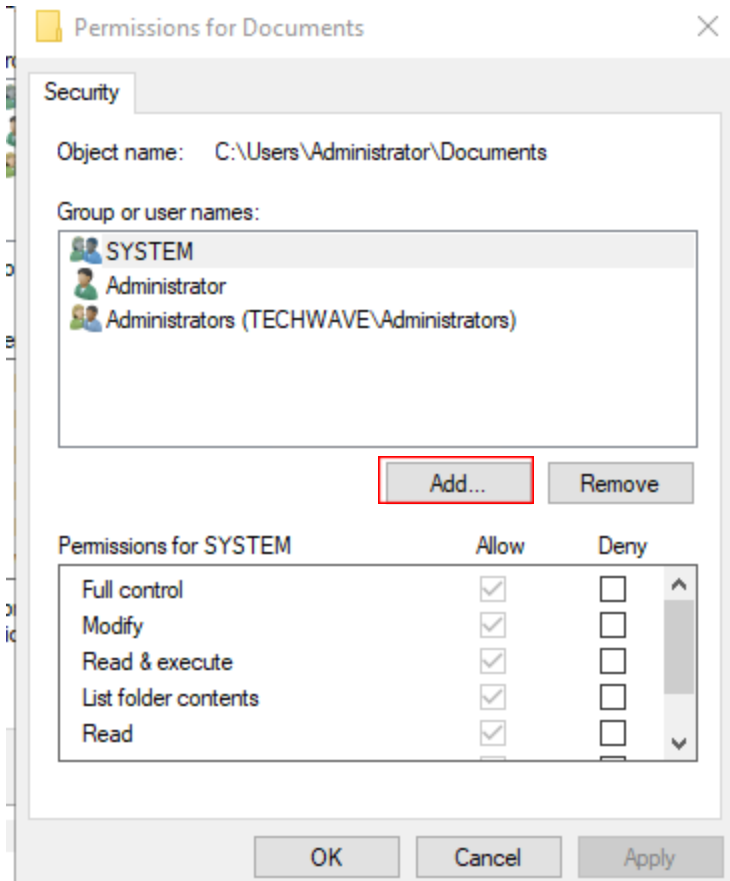
:Another way to share-

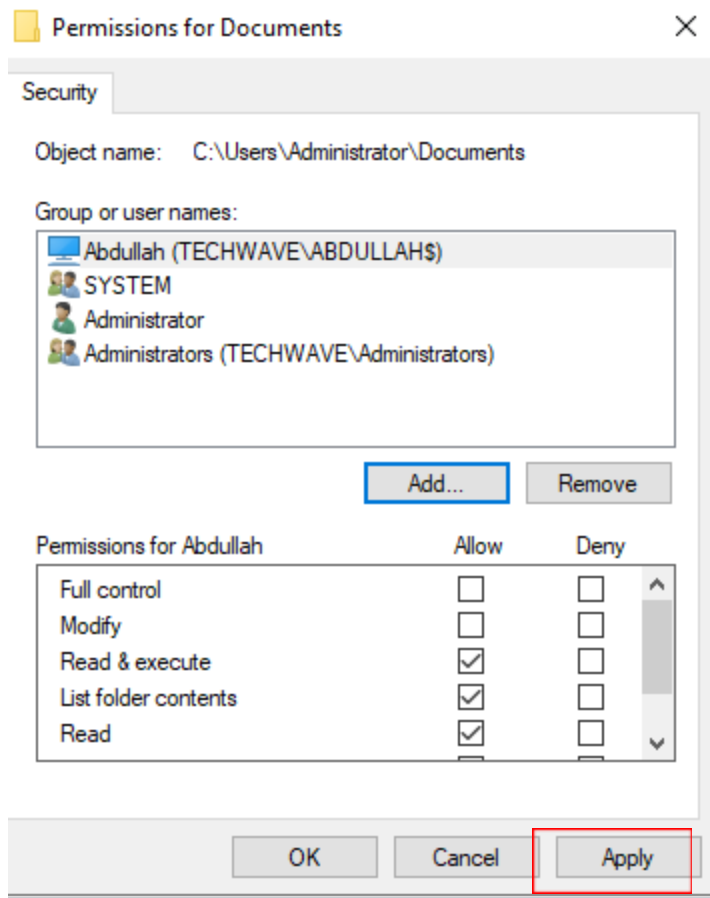
,Create folder, add data, properties





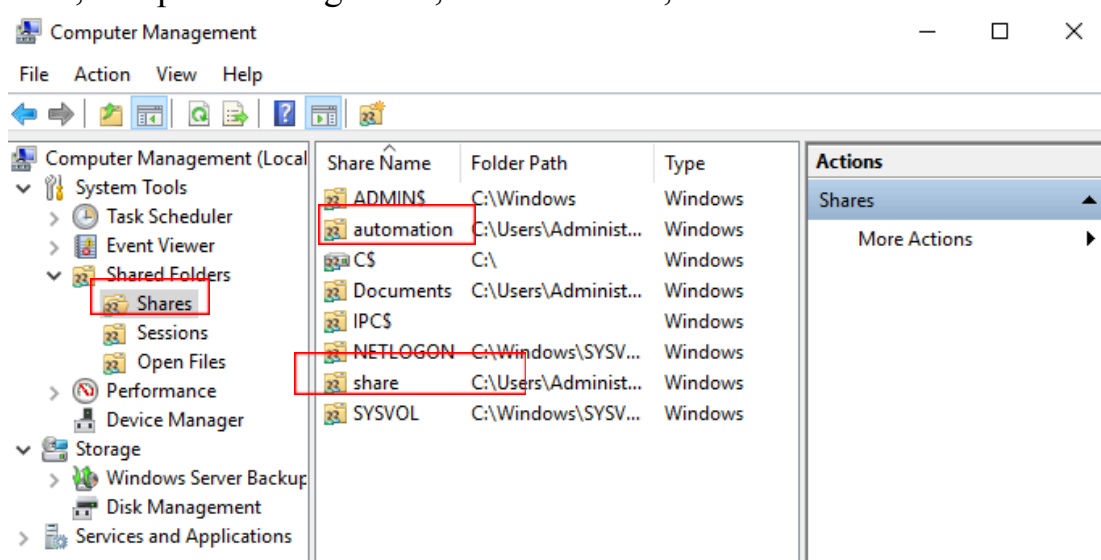


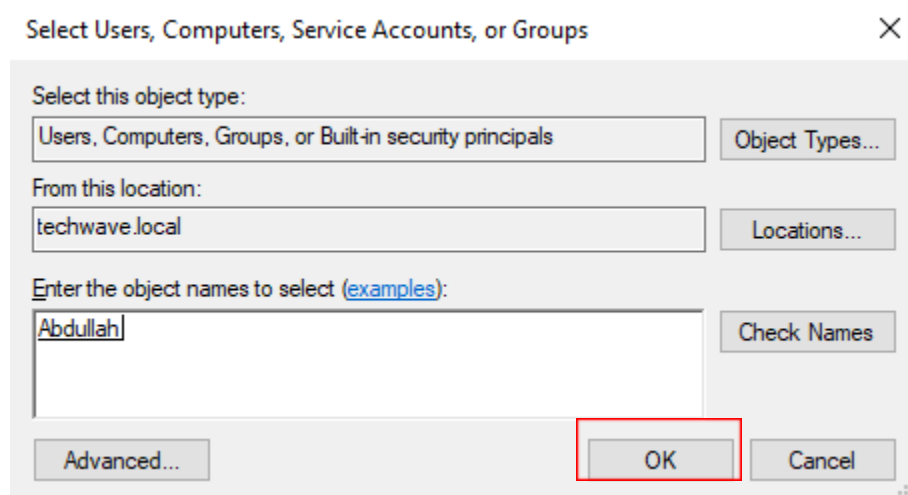
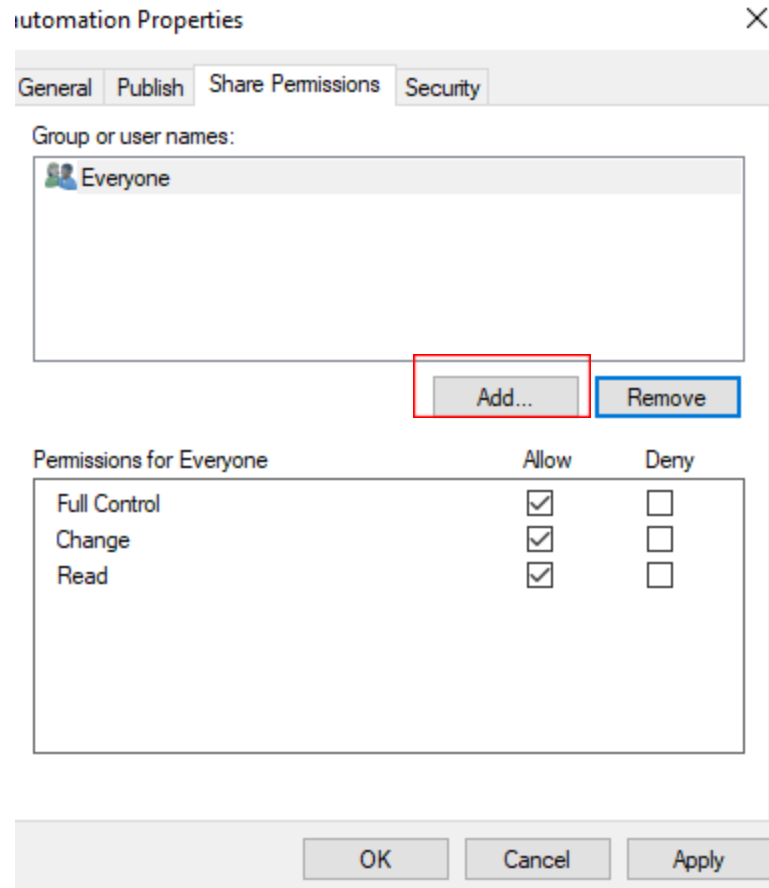




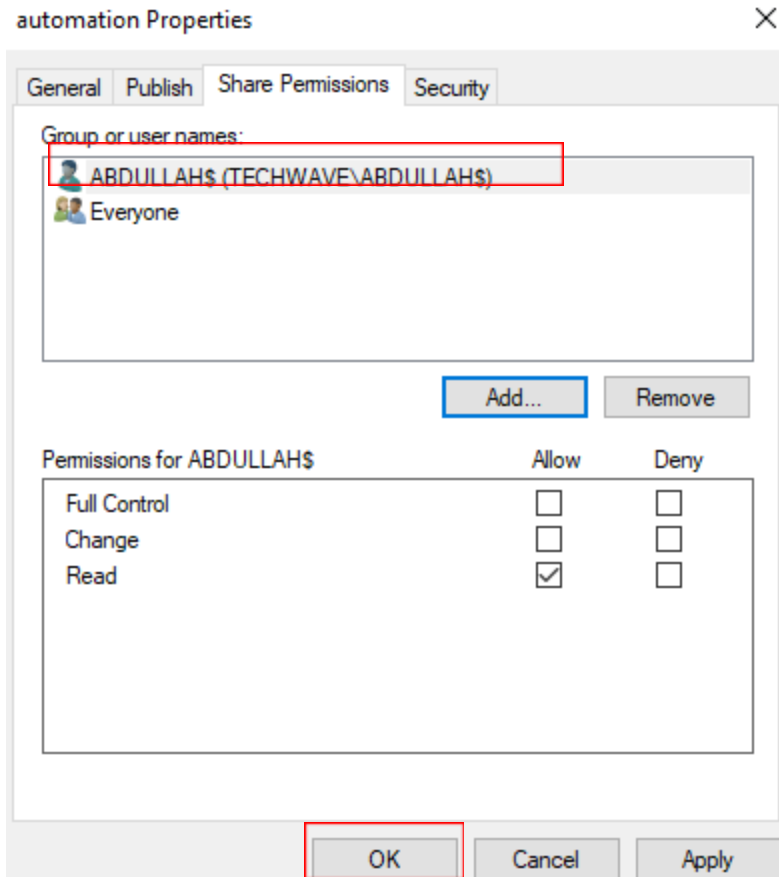
## : To activate shared folder-

Start, computer management, shared folders, shares

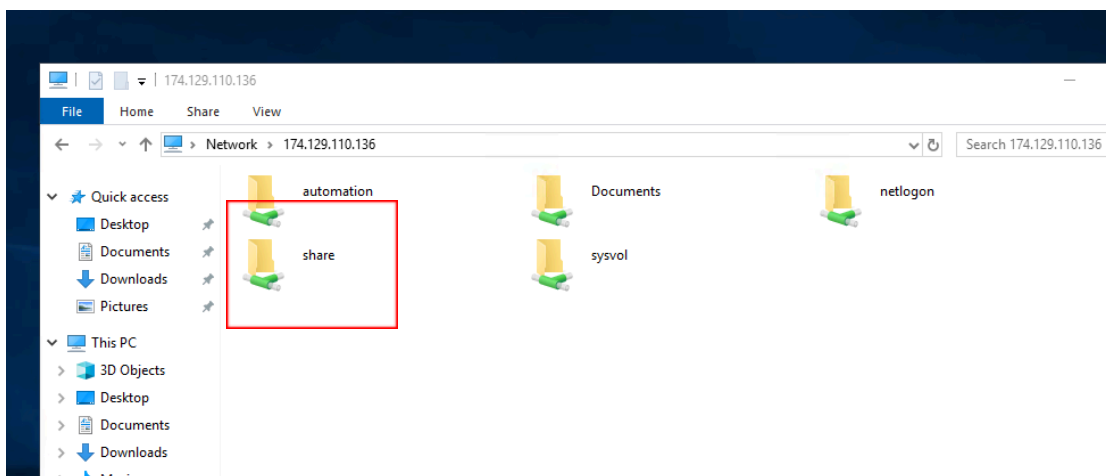


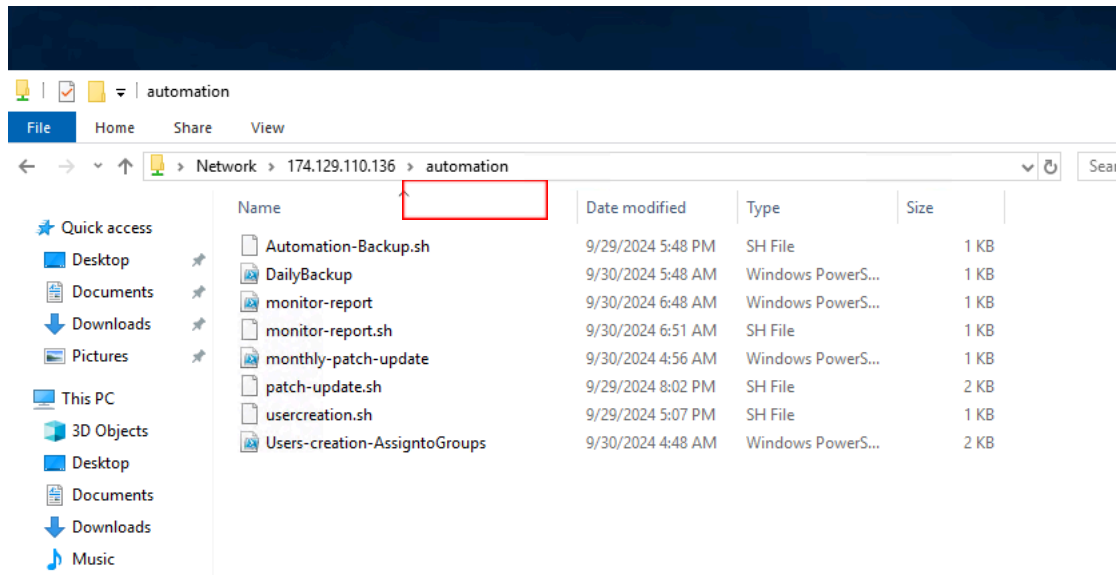






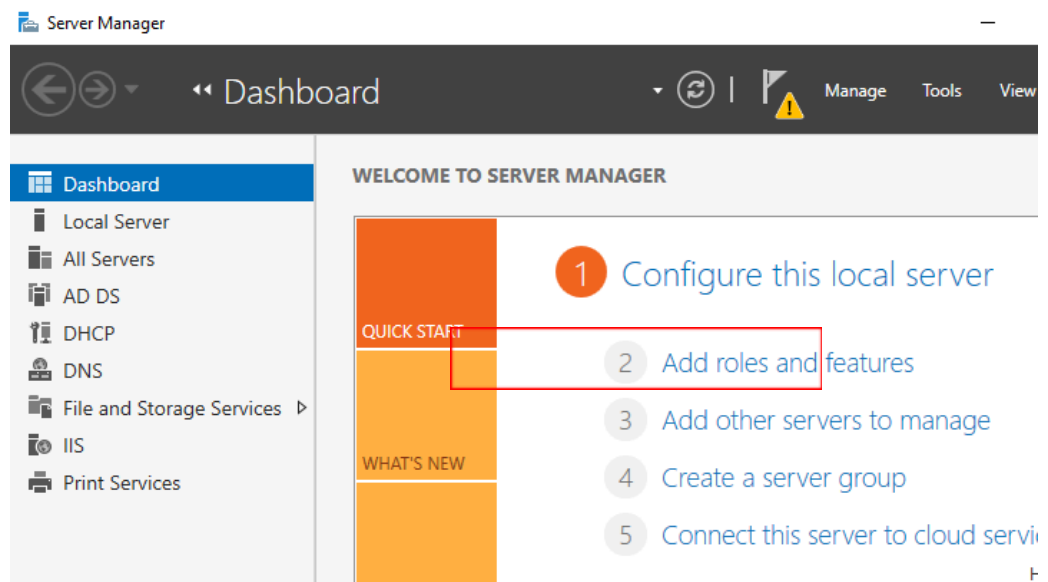
**:to ensure this files (automation, share) shared-**  
((Open Abdullah pc (File explorer, search about ip for this server (174.129.110.136

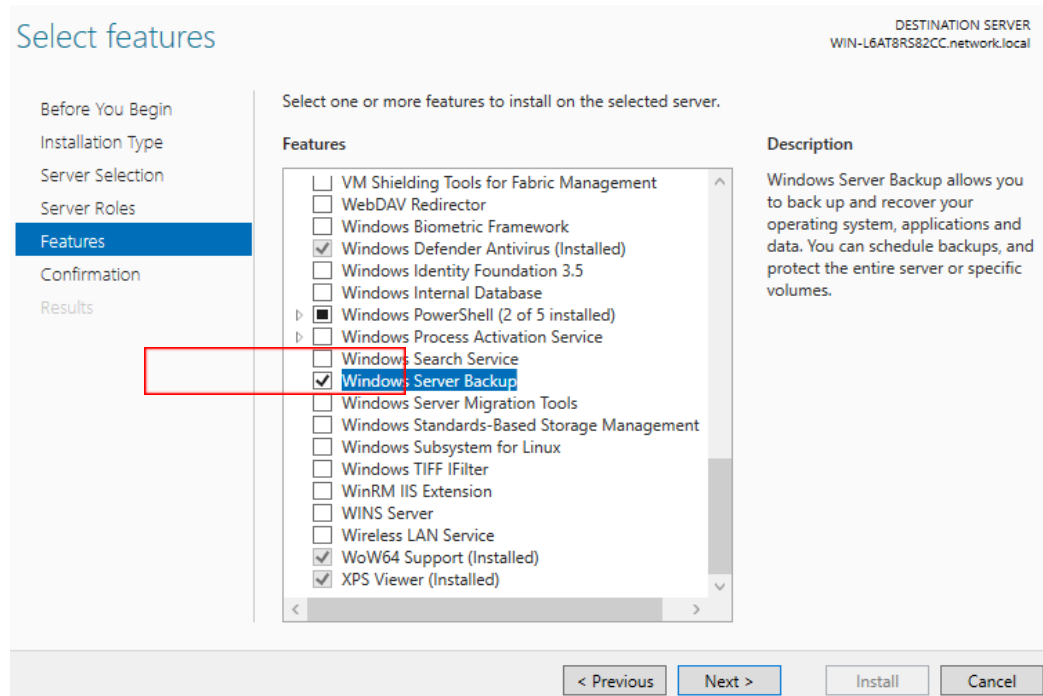
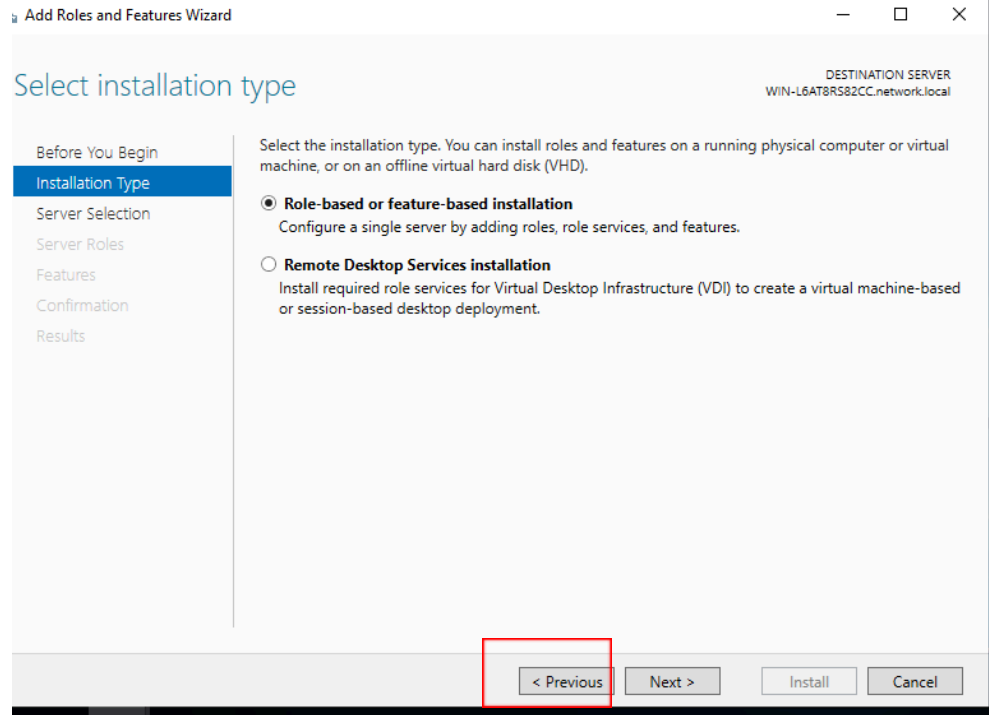


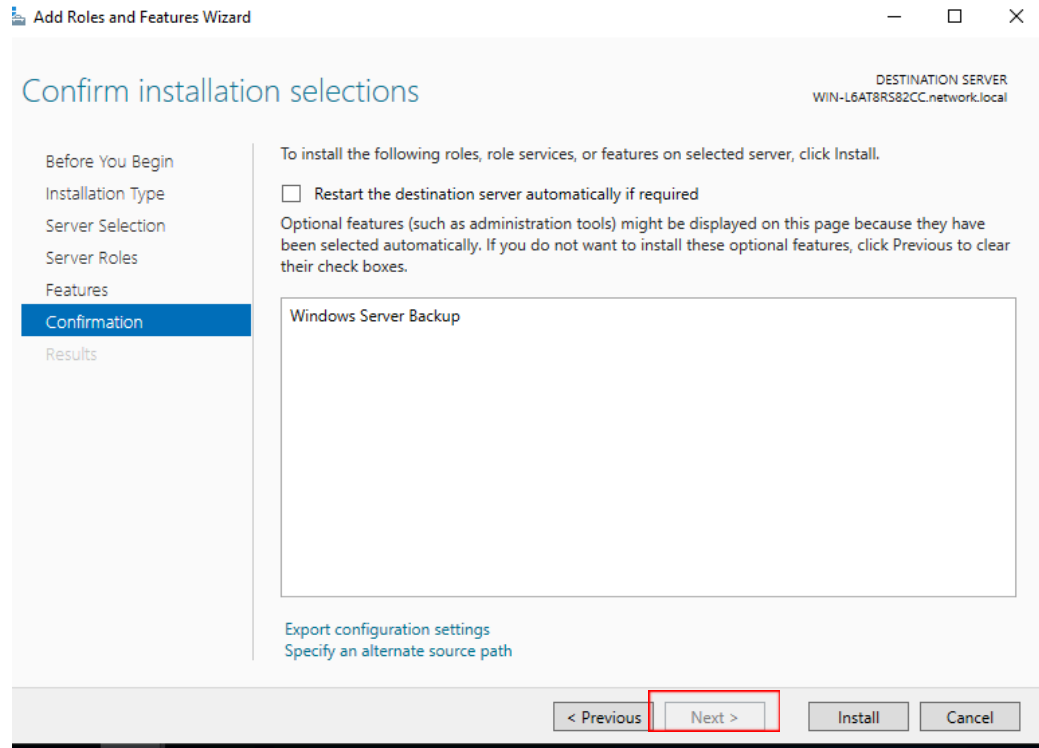


## :Back up

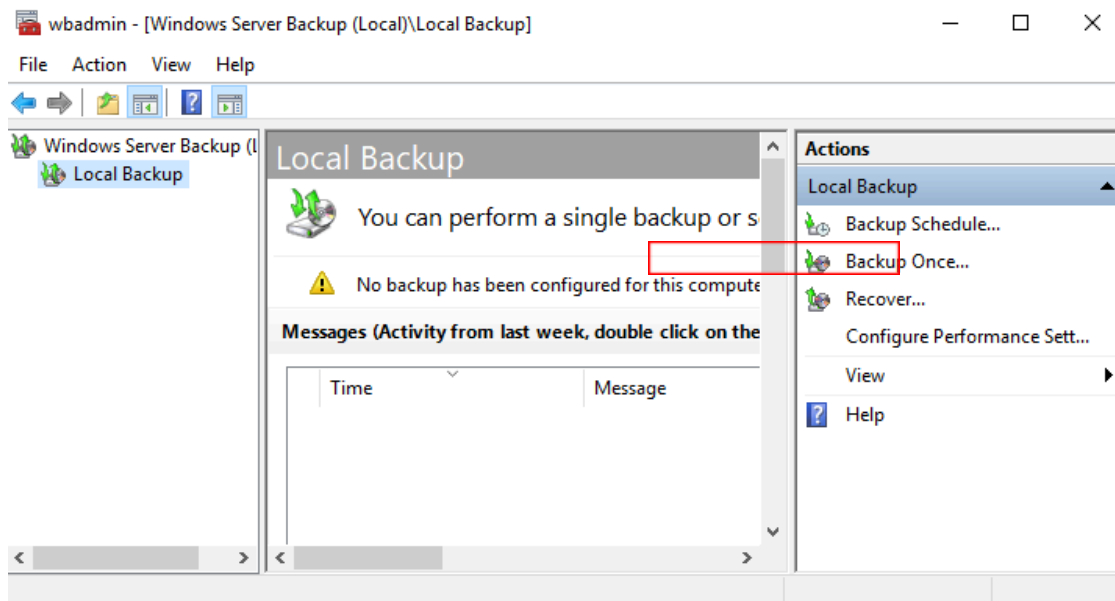
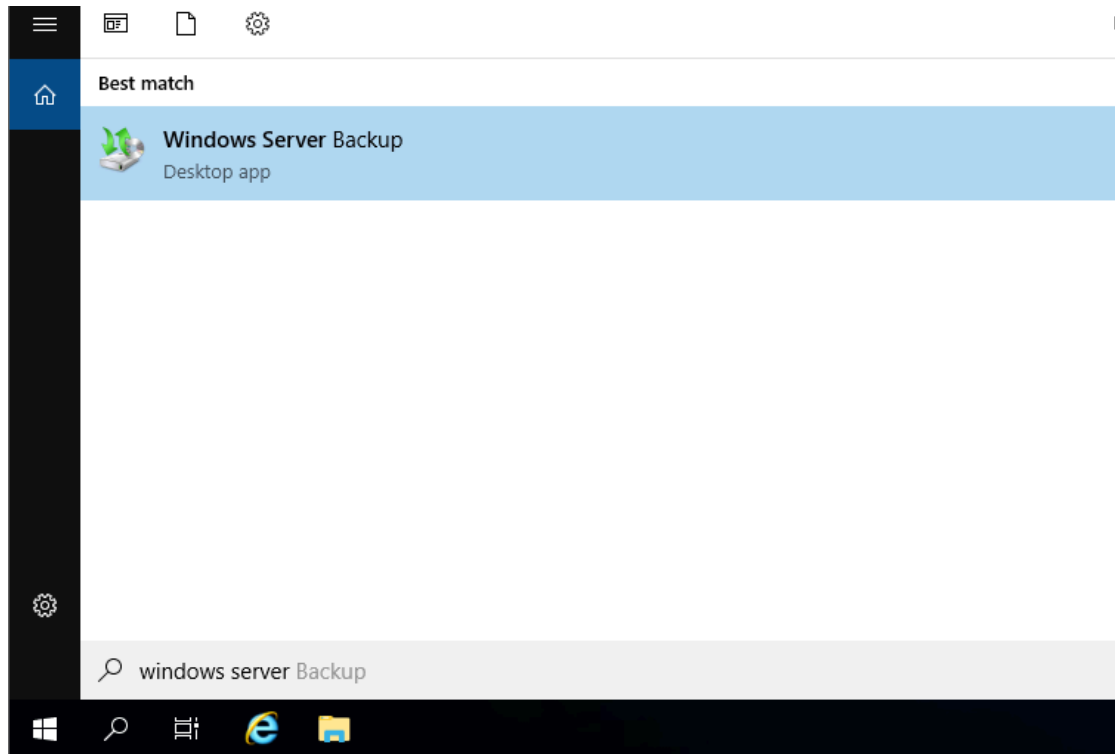
server manger, Add roles and features, features, windows server Bckup, next,- install







**:(to create backup for custom (omnia-**  
start, Windows Server Backup, Local Backup, Backup Once, Different options,  
custom, add items, select folder (omnia), select the location where the backup will  
.be saved, Backup





## Backup Options

### Backup Options

Select Backup Configurat...

Specify Destination Type

Confirmation

Backup Progress

Create a backup now using:

☐ Scheduled backup options

Choose this option if you have created a scheduled backup and want to use the same settings for this backup.

☒ Different options

Choose this option if you have not created a scheduled backup or to specify a location or items for this backup that are different from the scheduled backup.

To continue, click Next.

< Previous

Next >

Backup

Cancel



## Select Items for Backup

Backup Options

Select Backup Configurat...

Select Items for Backup

Specify Destination Type

Confirmation

Backup Progress

Select the items that you want to back up. Selecting bare metal recovery will provide you with the most options if you need to perform a recovery.

Name

C:\omnia

<

>

Add Items

Remove Items

Advanced Settings

< Previous

Next >

Backup

Cancel



## Specify Destination Type

Backup Options

Select Backup Configurat...

Select Items for Backup

**Specify Destination Type**

Specify Remote Folder

Confirmation

Backup Progress

Choose the type of storage for the backup:

☐ Local drives

Example: local disk (D:), DVD drive (E:)

☒ Remote shared folder

Example: \\MyFileServer\SharedFolderName

< Previous

Next >

Backup

Cancel



## Select Backup Destination

Backup Options

Select Backup Configur...

Select Items for Backup

Specify Destination Type

Select Backup Destination

Confirmation

Backup Progress

Select a volume to store the backup. An external disk attached to this computer is listed as a volume.

Backup destination:

Recovery

Total space in backup destination:

499.00 MB

Free space in backup destination:

117.11 MB

< Previous

Next >

Backup

Cancel





## Confirmation

### Backup Options

Select Backup Configurat...

Select Items for Backup

Specify Destination Type

Select Backup Destination

Confirmation

Backup Progress

A backup of the items below will now be created and saved to the specified destination.

File excluded: None

Backup destination: Recovery

Advanced option: VSS Copy Backup

### Backup items

Name

C:\omnia

< Previous

Next >

Backup

Cancel



## Backup Progress

### Backup Options

Select Backup Configurat...

Select Items for Backup

Specify Destination Type

Select Backup Destination

Confirmation

Backup Progress

Status: Creating shadow copy of volumes...



### Status details

Backup location: Recovery

Data transferred: 0 KB

### Items

Item	Status	Data transferred
Local disk (C:)	Backup not started.	0 KB of 0 KB

You may close this wizard and the backup operation will continue to run in the background.

< Previous

Next >

Close

Cancel

**:To ensure that backup is working-  
start, Windows Server Backup**

