SOS REPORT

**Ubuntu: install nfs**

# malvika@malvika-virtual-machine:~$ sudo apt update

Get:1 http://security.ubuntu.com/ubuntu jammy-security InRelease [110 kB]

Hit:2 http://in.archive.ubuntu.com/ubuntu jammy InRelease

Get:3 http://in.archive.ubuntu.com/ubuntu jammy-updates InRelease [119 kB]

Get:4 http://in.archive.ubuntu.com/ubuntu jammy-backports InRelease [109 kB]

Get:5 http://security.ubuntu.com/ubuntu jammy-security/main amd64 Packages [1,394 kB]

Get:6 http://in.archive.ubuntu.com/ubuntu jammy-updates/main i386 Packages [620 kB]

Get:7 http://in.archive.ubuntu.com/ubuntu jammy-updates/main amd64 Packages [1,612 kB]

Get:8 http://security.ubuntu.com/ubuntu jammy-security/main i386 Packages [453 kB]

Get:9 http://security.ubuntu.com/ubuntu jammy-security/main Translation-en [243 kB]

Get:10 http://in.archive.ubuntu.com/ubuntu jammy-updates/main Translation-en [304 kB]

Get:11 http://security.ubuntu.com/ubuntu jammy-security/restricted amd64 Packages [1,773 kB]

Get:12 http://in.archive.ubuntu.com/ubuntu jammy-updates/restricted amd64 Packages [1,830 kB]

Get:13 http://in.archive.ubuntu.com/ubuntu jammy-updates/restricted i386 Packages [38.1 kB]

Get:14 http://in.archive.ubuntu.com/ubuntu jammy-updates/restricted Translation-en [311 kB]

Get:15 http://in.archive.ubuntu.com/ubuntu jammy-updates/universe i386 Packages [701 kB]

Get:16 http://in.archive.ubuntu.com/ubuntu jammy-updates/universe amd64 Packages [1,072 kB]

Get:17 http://security.ubuntu.com/ubuntu jammy-security/restricted i386 Packages [36.5 kB]

Get:18 http://security.ubuntu.com/ubuntu jammy-security/restricted Translation-en [300 kB]

Get:19 http://security.ubuntu.com/ubuntu jammy-security/universe i386 Packages [601 kB]

Get:20 http://security.ubuntu.com/ubuntu jammy-security/universe amd64 Packages [848 kB]

Get:21 http://in.archive.ubuntu.com/ubuntu jammy-updates/universe Translation-en [245 kB]

Get:22 http://in.archive.ubuntu.com/ubuntu jammy-updates/multiverse i386 Packages [4,472 B]

Get:23 http://in.archive.ubuntu.com/ubuntu jammy-updates/multiverse amd64 Packages [42.7 kB]

Get:24 http://in.archive.ubuntu.com/ubuntu jammy-updates/multiverse Translation-en [10.4 kB]

Get:25 http://in.archive.ubuntu.com/ubuntu jammy-backports/main amd64 Packages [67.1 kB]

Get:26 http://in.archive.ubuntu.com/ubuntu jammy-backports/main i386 Packages [59.3 kB]

Get:27 http://in.archive.ubuntu.com/ubuntu jammy-backports/main Translation-en [11.0 kB]

Get:28 http://in.archive.ubuntu.com/ubuntu jammy-backports/universe i386 Packages [16.0 kB]

Get:29 http://in.archive.ubuntu.com/ubuntu jammy-backports/universe amd64 Packages [27.2 kB]

Get:30 http://security.ubuntu.com/ubuntu jammy-security/universe Translation-en [163 kB]

Get:31 http://security.ubuntu.com/ubuntu jammy-security/multiverse amd64 Packages [37.2 kB]

Get:32 http://security.ubuntu.com/ubuntu jammy-security/multiverse Translation-en [7,588 B]

Get:33 http://in.archive.ubuntu.com/ubuntu jammy-backports/universe Translation-en [16.2 kB]

Fetched 13.2 MB in 16s (837 kB/s)

Reading package lists... Done

Building dependency tree... Done

Reading state information... Done

184 packages can be upgraded. Run 'apt list --upgradable' to see them.

# malvika@malvika-virtual-machine:~$ sudo apt install nfs-kernel-server

Reading package lists... Done

Building dependency tree... Done

Reading state information... Done

The following additional packages will be installed:

keyutils libevent-core-2.1-7 libnfsidmap1 nfs-common rpcbind

Suggested packages:

open-iscsi watchdog

The following NEW packages will be installed:

keyutils libevent-core-2.1-7 libnfsidmap1 nfs-common nfs-kernel-server

rpcbind

0 upgraded, 6 newly installed, 0 to remove and 184 not upgraded.

Need to get 615 kB of archives.

After this operation, 2,235 kB of additional disk space will be used.

Do you want to continue? [Y/n] Y

Get:1 http://in.archive.ubuntu.com/ubuntu jammy/main amd64 libevent-core-2.1-7 amd64 2.1.12-stable-1build3 [93.9 kB]

Get:2 http://in.archive.ubuntu.com/ubuntu jammy-updates/main amd64 libnfsidmap1 amd64 1:2.6.1-1ubuntu1.2 [42.9 kB]

Get:3 http://in.archive.ubuntu.com/ubuntu jammy/main amd64 rpcbind amd64 1.2.6-2build1 [46.6 kB]

Get:4 http://in.archive.ubuntu.com/ubuntu jammy/main amd64 keyutils amd64 1.6.1-2ubuntu3 [50.4 kB]

Get:5 http://in.archive.ubuntu.com/ubuntu jammy-updates/main amd64 nfs-common amd64 1:2.6.1-1ubuntu1.2 [241 kB]

Get:6 http://in.archive.ubuntu.com/ubuntu jammy-updates/main amd64 nfs-kernel-server amd64 1:2.6.1-1ubuntu1.2 [140 kB]

Fetched 615 kB in 6s (109 kB/s)

Selecting previously unselected package libevent-core-2.1-7:amd64.

(Reading database ... 204167 files and directories currently installed.)

Preparing to unpack .../0-libevent-core-2.1-7\_2.1.12-stable-1build3\_amd64.

deb ...

Unpacking libevent-core-2.1-7:amd64 (2.1.12-stable-1build3) ...

Selecting previously unselected package libnfsidmap1:amd64.

Preparing to unpack .../1-libnfsidmap1\_1%3a2.6.1-1ubuntu1.2\_amd64.deb ...

Unpacking libnfsidmap1:amd64 (1:2.6.1-1ubuntu1.2) ...

Selecting previously unselected package rpcbind.

Preparing to unpack .../2-rpcbind\_1.2.6-2build1\_amd64.deb ...

Unpacking rpcbind (1.2.6-2build1) ...

Selecting previously unselected package keyutils.

Preparing to unpack .../3-keyutils\_1.6.1-2ubuntu3\_amd64.deb ...

Unpacking keyutils (1.6.1-2ubuntu3) ...

Selecting previously unselected package nfs-common.

Preparing to unpack .../4-nfs-common\_1%3a2.6.1-1ubuntu1.2\_amd64.deb ...

Unpacking nfs-common (1:2.6.1-1ubuntu1.2) ...

Selecting previously unselected package nfs-kernel-server.

Preparing to unpack .../5-nfs-kernel-server\_1%3a2.6.1-1ubuntu1.2\_amd64.deb

...

Unpacking nfs-kernel-server (1:2.6.1-1ubuntu1.2) ...

Setting up libnfsidmap1:amd64 (1:2.6.1-1ubuntu1.2) ...

Setting up rpcbind (1.2.6-2build1) ...

Created symlink /etc/systemd/system/multi-user.target.wants/rpcbind.servic

e → /lib/systemd/system/rpcbind.service.

Created symlink /etc/systemd/system/sockets.target.wants/rpcbind.socket →

/lib/systemd/system/rpcbind.socket.

Setting up libevent-core-2.1-7:amd64 (2.1.12-stable-1build3) ...

Setting up keyutils (1.6.1-2ubuntu3) ...

Setting up nfs-common (1:2.6.1-1ubuntu1.2) ...

Creating config file /etc/idmapd.conf with new version

Creating config file /etc/nfs.conf with new version

Adding system user `statd' (UID 130) ...

Adding new user `statd' (UID 130) with group `nogroup' ...

Not creating home directory `/var/lib/nfs'.

Created symlink /etc/systemd/system/multi-user.target.wants/nfs-client.tar

get → /lib/systemd/system/nfs-client.target.

Created symlink /etc/systemd/system/remote-fs.target.wants/nfs-client.targ

et → /lib/systemd/system/nfs-client.target.

auth-rpcgss-module.service is a disabled or a static unit, not starting it

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nfs-idmapd.service is a disabled or a static unit, not starting it.

nfs-utils.service is a disabled or a static unit, not starting it.

proc-fs-nfsd.mount is a disabled or a static unit, not starting it.

rpc-gssd.service is a disabled or a static unit, not starting it.

rpc-statd-notify.service is a disabled or a static unit, not starting it.

rpc-statd.service is a disabled or a static unit, not starting it.

rpc-svcgssd.service is a disabled or a static unit, not starting it.

rpc\_pipefs.target is a disabled or a static unit, not starting it.

var-lib-nfs-rpc\_pipefs.mount is a disabled or a static unit, not starting

it.

Setting up nfs-kernel-server (1:2.6.1-1ubuntu1.2) ...

Created symlink /etc/systemd/system/nfs-client.target.wants/nfs-blkmap.ser

vice → /lib/systemd/system/nfs-blkmap.service.

Created symlink /etc/systemd/system/multi-user.target.wants/nfs-server.ser

vice → /lib/systemd/system/nfs-server.service.

nfs-mountd.service is a disabled or a static unit, not starting it.

nfsdcld.service is a disabled or a static unit, not starting it.

Creating config file /etc/exports with new version

Creating config file /etc/default/nfs-kernel-server with new version

Processing triggers for man-db (2.10.2-1) ...

Processing triggers for libc-bin (2.35-0ubuntu3.6) ...

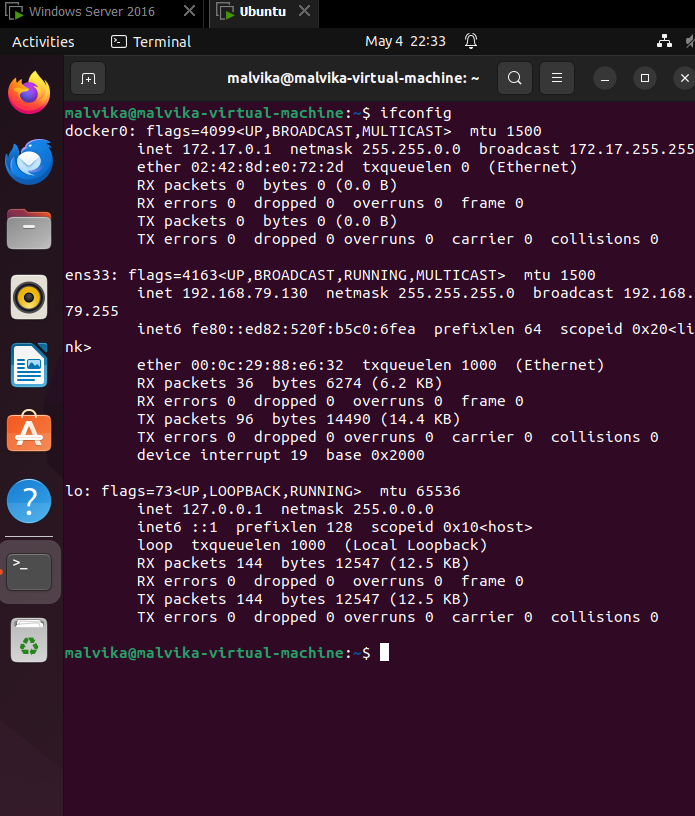
**malvika@malvika-virtual-machine:~$ sudo mkdir -p /home/malvika/Desktop/SOS1**

**malvika@malvika-virtual-machine:~$ sudo nano /home/malvika/Desktop/SOS1**

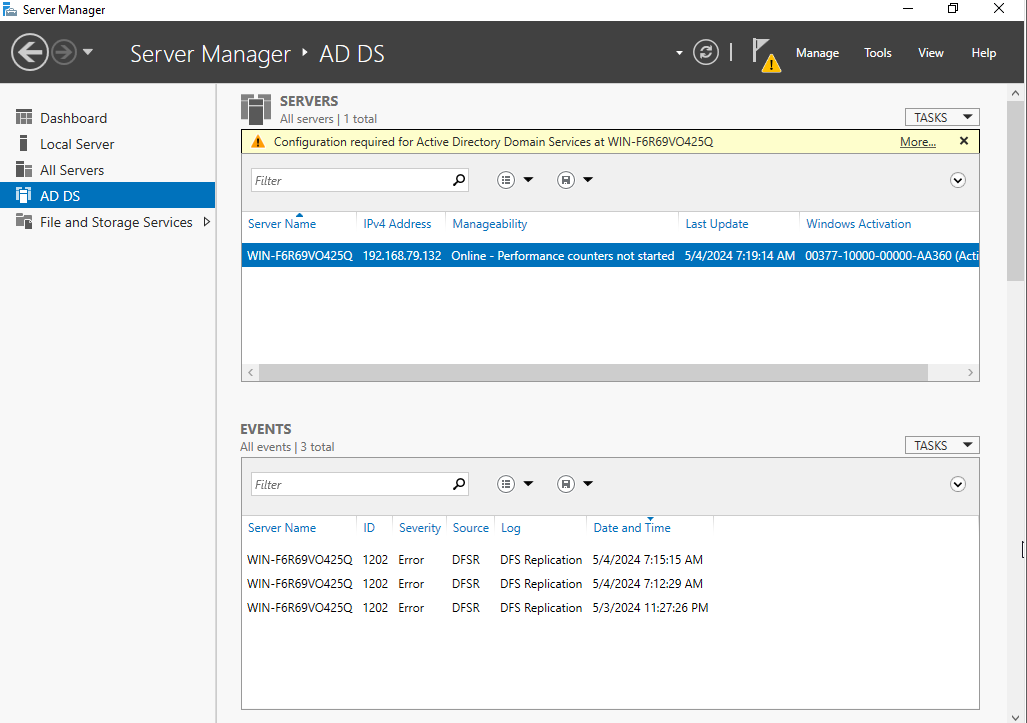
**malvika@malvika-virtual-machine:~$ sudo exportfs -ra**

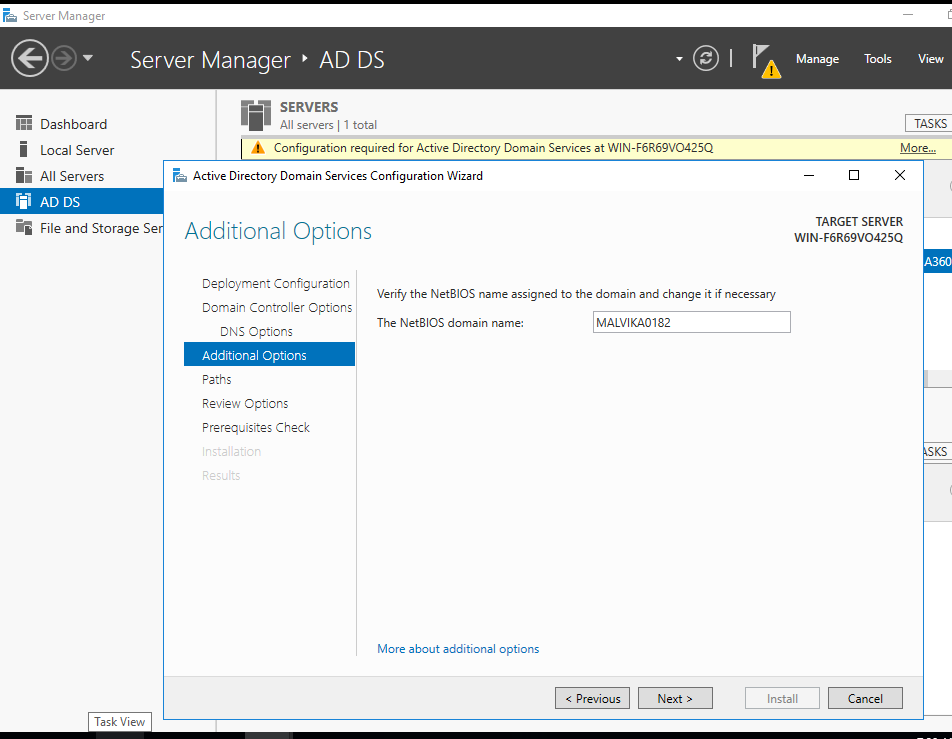
**malvika@malvika-virtual-machine:~$ sudo systemctl restart nfs-kernel-server**

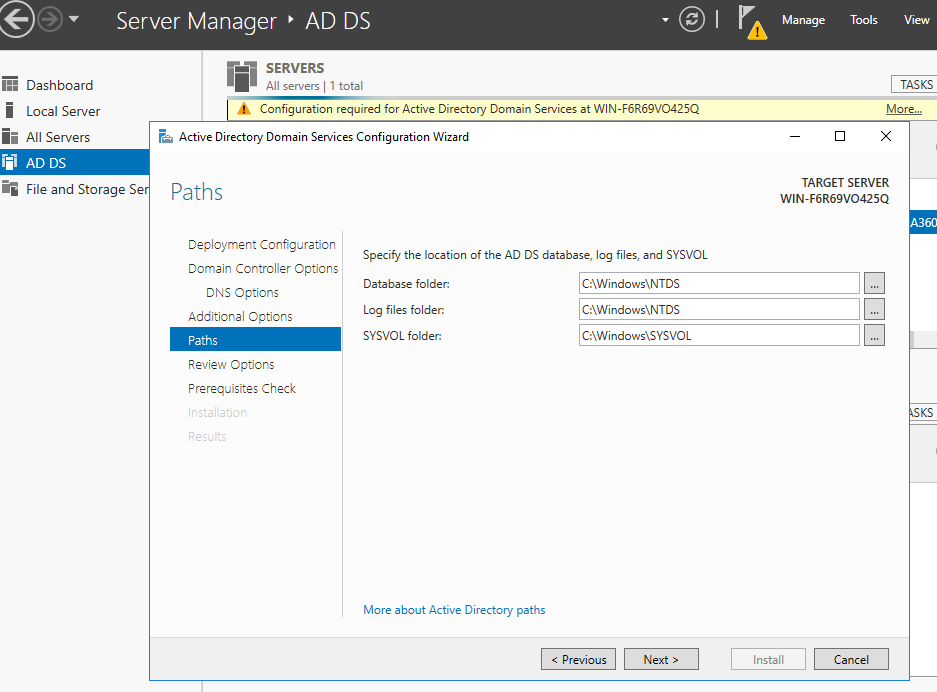
You can also enable the NFS server to start automatically at boot: sudo systemctl enable nfs-kernel-server

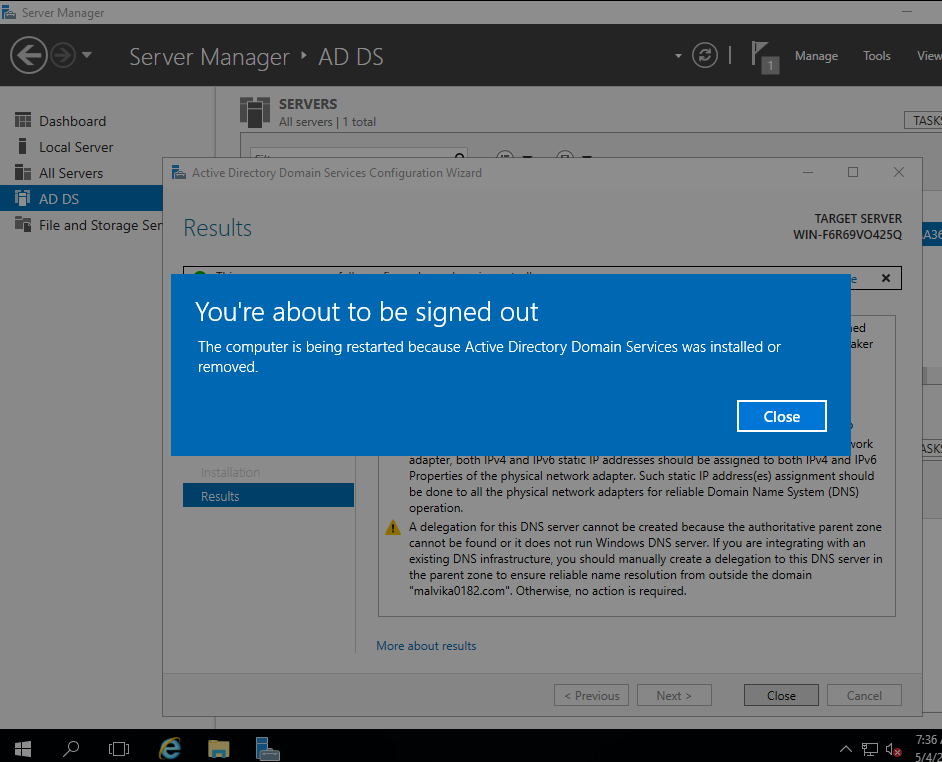


windows server 2016



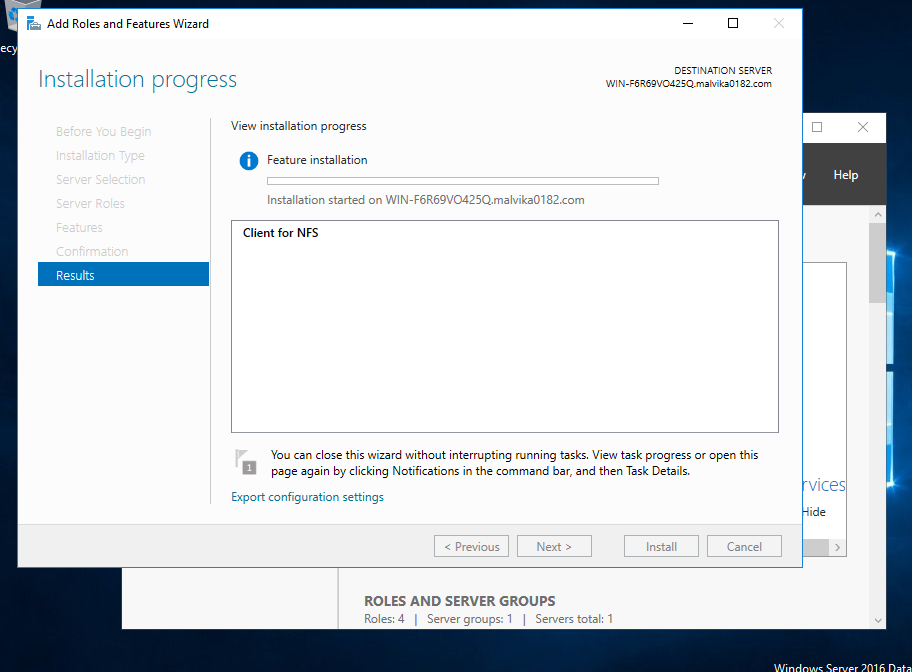




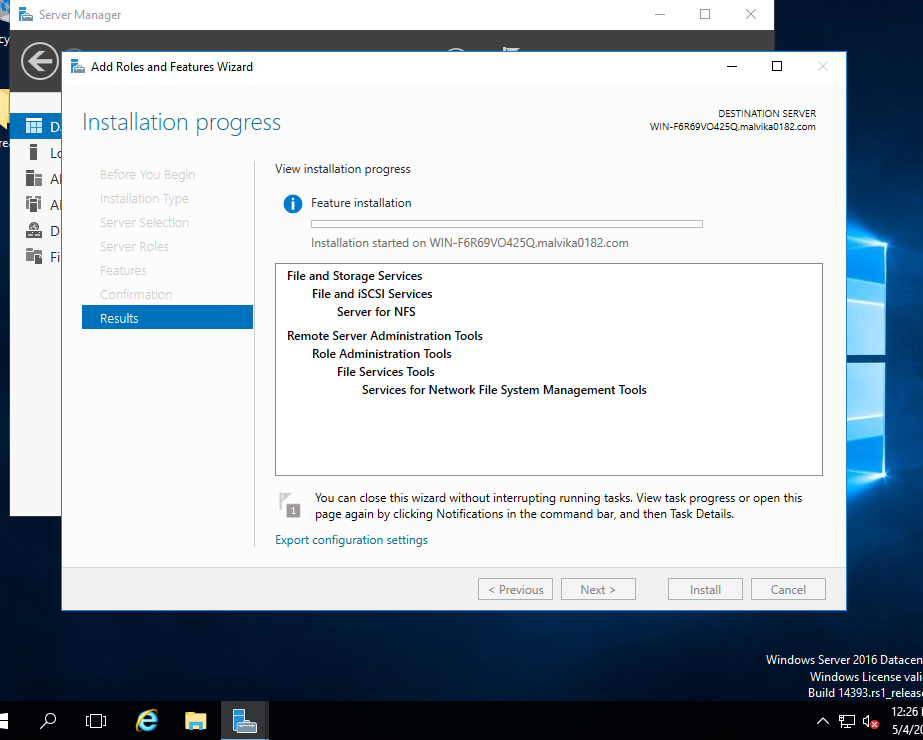




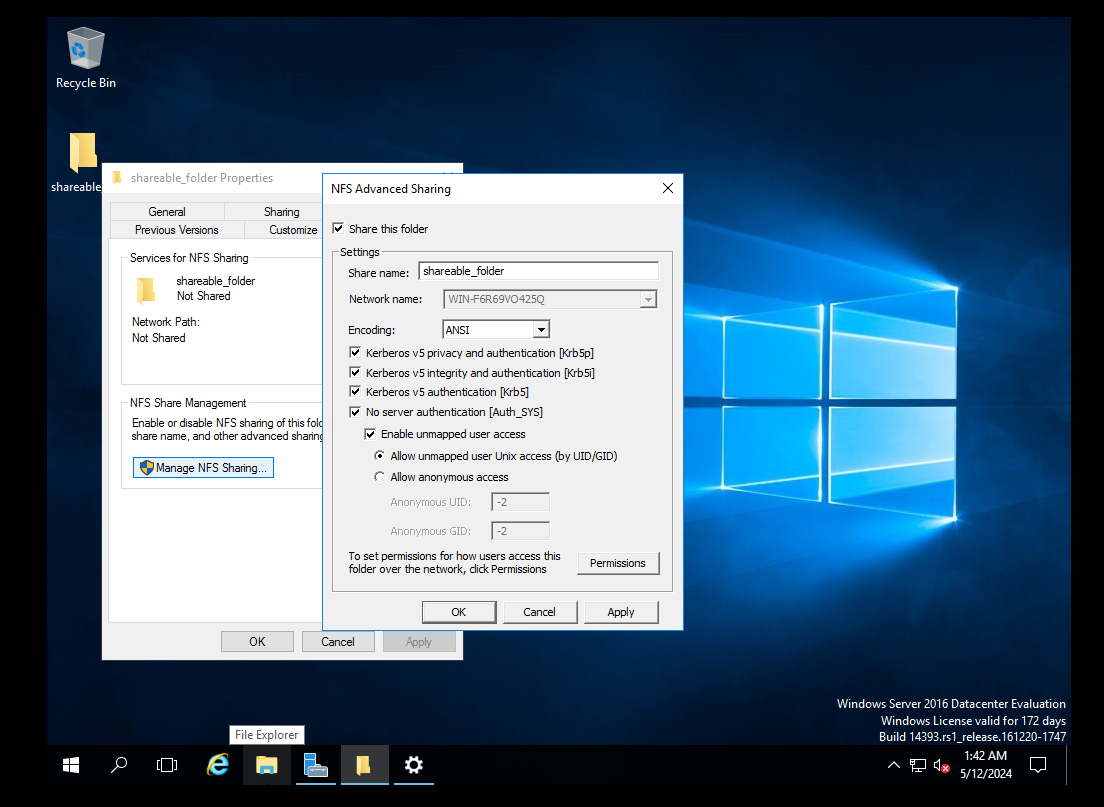
**Now install the nfs client from server manager>add role and features> client for nfs.**

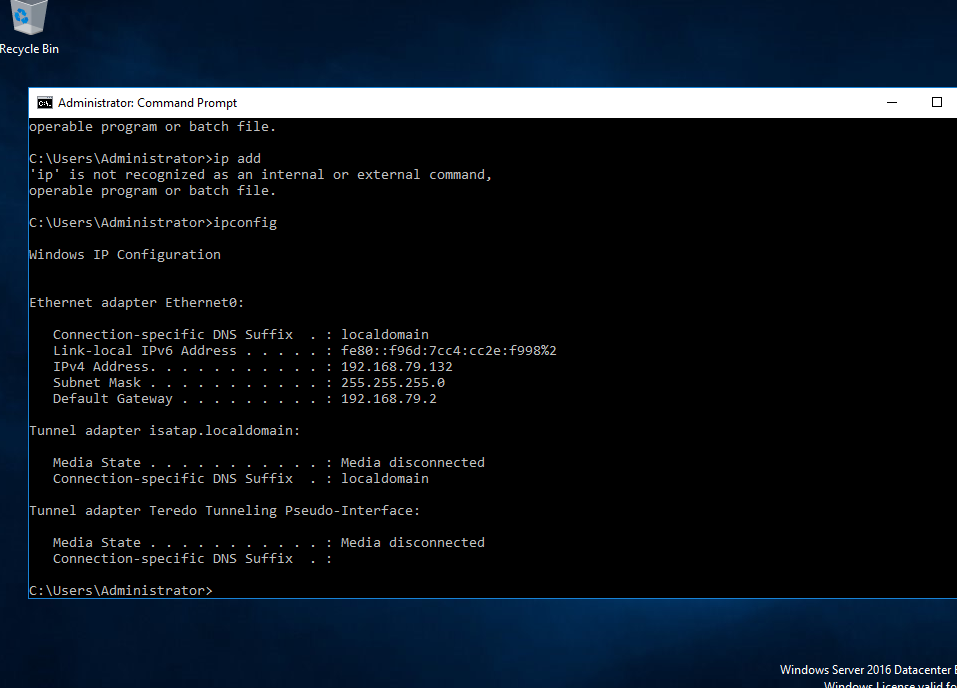


**Now install the nfs client from server manager>add role and features> file storage and services> iscsi>server for nfs.**



Make the folder as shareable: changed the name to MCA\_SCT





///

Now on your ubuntu machine:

malvika@malvika-virtual-machine:~$ sudo mkdir -p /home/malvika/Desktop/mnt/nfs\_share

malvika@malvika-virtual-machine:~$ sudo mount -t nfs 192.168.79.132:/shareable\_folder /home/malvika/Desktop/SOS1

~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~main commands

malvika@malvika-virtual-machine:~$ su

Password:

root@malvika-virtual-machine:/home/malvika# apt install nfs-common

Reading package lists... Done

Building dependency tree... Done

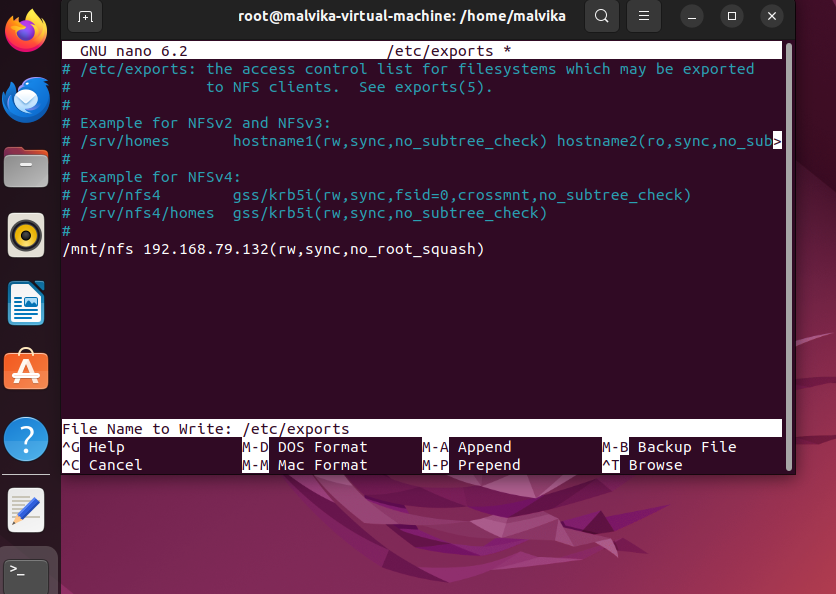
Reading state information... Done

nfs-common is already the newest version (1:2.6.1-1ubuntu1.2).

0 upgraded, 0 newly installed, 0 to remove and 181 not upgraded.

root@malvika-virtual-machine:/home/malvika# mkdir -p /mnt/nfs

root@malvika-virtual-machine:/home/malvika# nano /etc/exports



root@malvika-virtual-machine:/home/malvika# exportfs -a

exportfs: /etc/exports [1]: Neither 'subtree\_check' or 'no\_subtree\_check' specified for export "192.168.79.132:/mnt/nfs".

Assuming default behaviour ('no\_subtree\_check').

NOTE: this default has changed since nfs-utils version 1.0.x

root@malvika-virtual-machine:/home/malvika# systemctl restart nfs-kernel-server

root@malvika-virtual-machine:/home/malvika# mount -t nfs 192.168.79.132:/MCA\_SCT /mnt/nfs

mount.nfs: Network is unreachable