

XenServer: NFS VHD. iSCSI. Store XenMotion

- ???????????????

Cambiar Permisos

Cambiar Permisos

Cambiar los permisos de /mnt/xen/NFS_SR a:

Propietario (usuario) noa

Propietario (grupo) nobody

Modo

	Owner	Group	Other
Read	☒	☒	☒
Write	☒	☐	☐
Execute	☒	☒	☒

Tipo de permiso ACL

- ☒ Unix
- ☐ Windows

Establecer los permisos recursivamente ☐

Cambiar **Cancelar**

Editar Compartidos NFS (Unix)

Comentario: Almacenamiento NFS para V

Authorized networks

Authorized IP addresses or hosts

Todas las directorios ☒

Solo Lectura ☐

Silencio ☐

Mapa raíz de Usuario noa

Mapa raíz de Grupo N/A

Mapa de todos los Usuarios N/A

Mapa de todos los grupos N/A

Ruta

Ruta /mnt/xen/NFS_SR **Browse**

Borrar ☐

XenCenter

xcp00

New VM...

New SR...

Import...

Add to Pool

Enter Maintenance Mode...

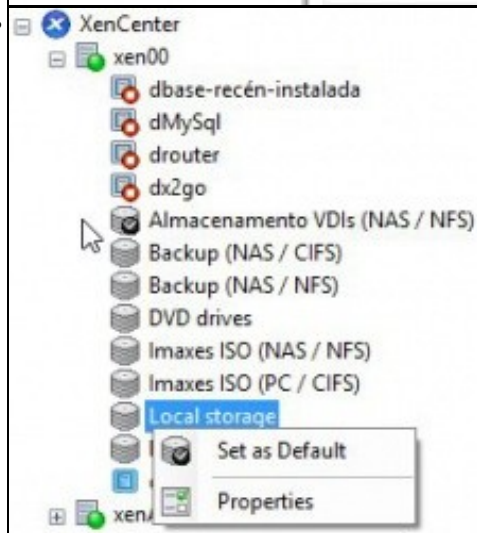
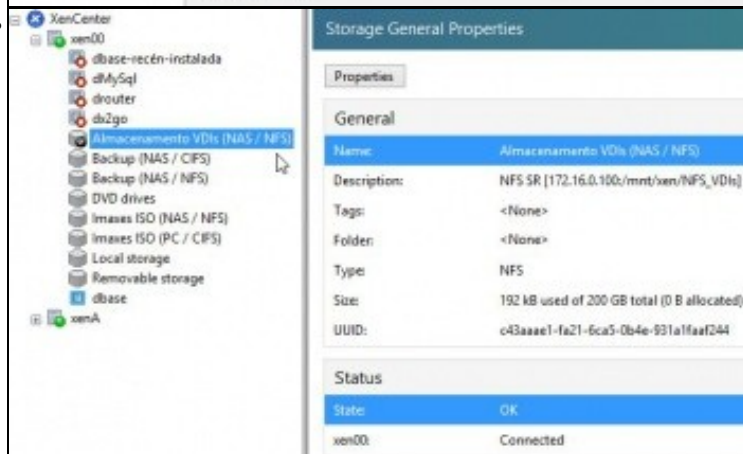
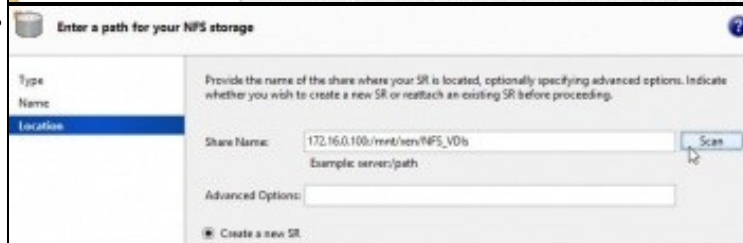
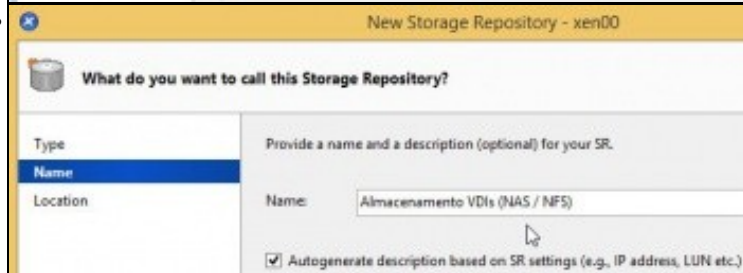
Reboot

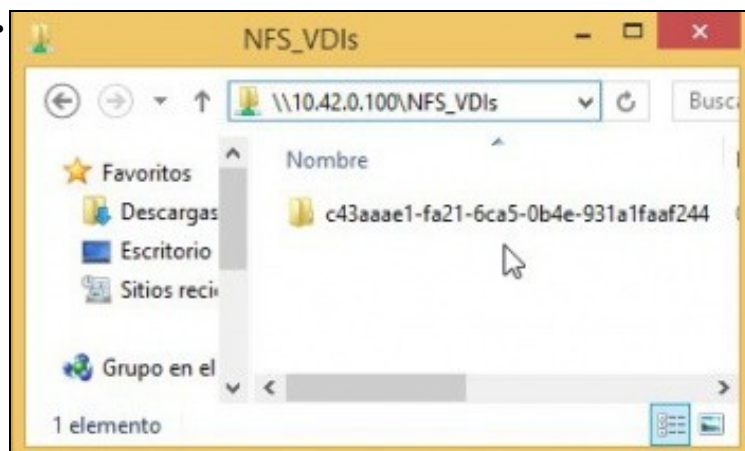
Shut Down

Disconnect

Reconnect As...

Properties





```
[root@xen00 ~]# xe sr-list
allowed-operations=          PBDs=
allowed-operations:contains= PBDs:contains=
blobs=                       physical-size=
content-type=                physical-utilisation=
current-operations=          shared=
current-operations:contains= sm-config=
database:                   tags=
host=                       tags:contains=
introduced-by=              type=
local-cache-enabled=        uuid=
name-description=           VDIs=
name-label=                 VDIs:contains=
other-config=               virtual-allocation=
params=

[root@xen00 ~]# xe sr-list name-label=
Almacenamiento VDIs \(\NAS\ ^ NFS\) Inaxes\ ISO\ \(\PC\ ^ CIFS\)
Backup\ \(\NAS\ ^ CIFS\) Local\ storage
Backup\ \(\NAS\ ^ NFS\) Renewable\ storage
DVD\ drives XenServer\ Tools
Inaxes\ ISO\ \(\NAS\ ^ NFS\)
[root@xen00 ~]# xe sr-list name-label=
```

New Storage Repository - xcp00

What do you want to call this Storage Repository?

Type	Provide a name and a description (optional) for your SR.
Name	Name: NFS virtual disk storage (Prueba para borrar)
Location	☒ Autogenerate description based on SR settings (e.g., IP address, LUN etc.) Description:

Provide the name of the share where your SR is located, optionally specifying advanced options. Indicate whether you wish to create a new SR or reattach an existing SR before proceeding.

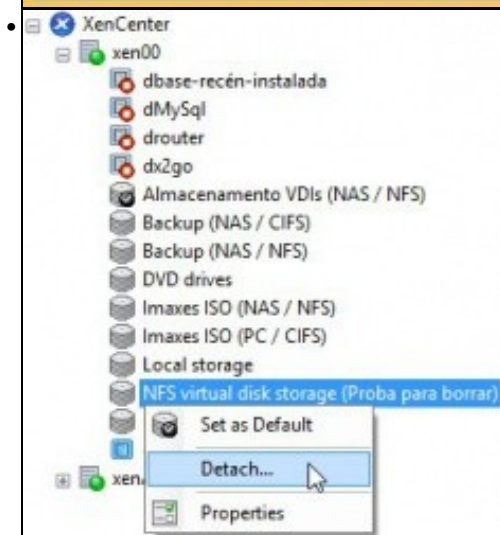
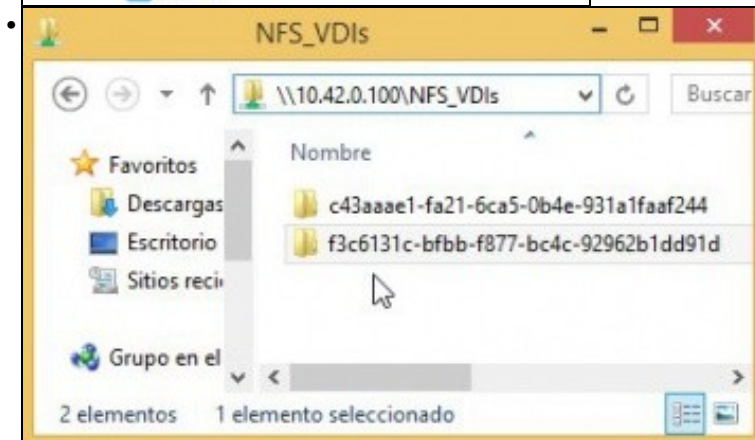
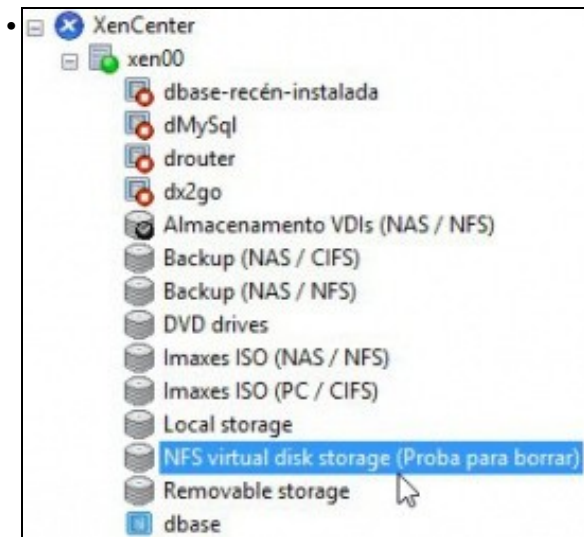
Share Name: 172.16.0.100:/mnt/xen/NFS_VDI's Scan

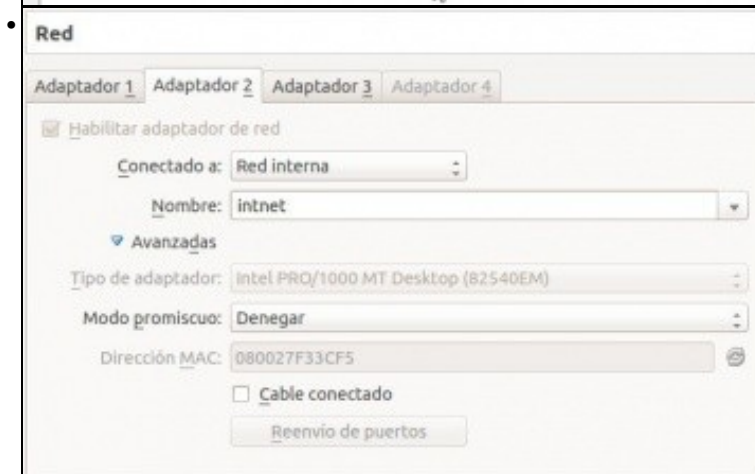
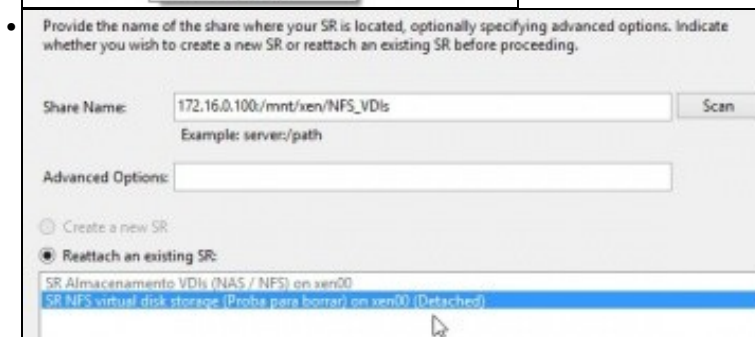
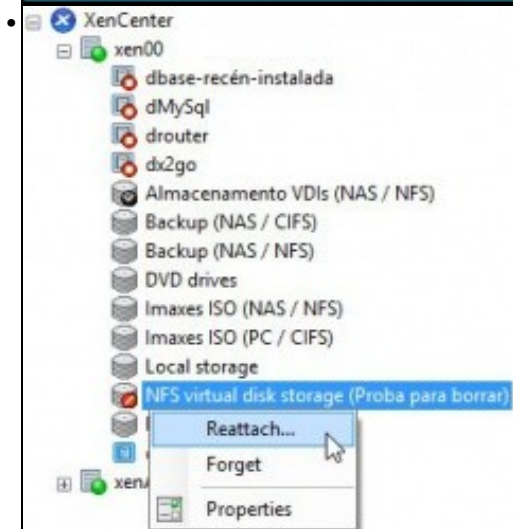
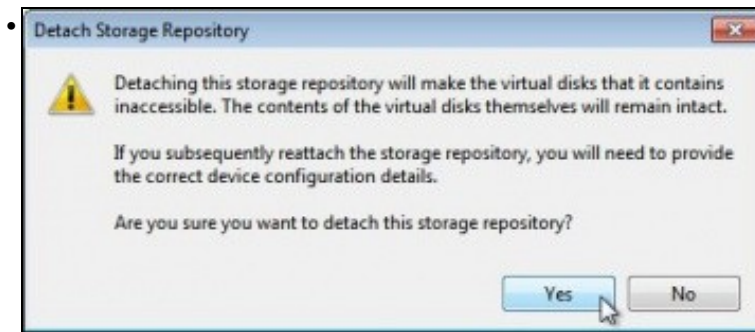
Example: server:/path

Advanced Options:

☒ Create a new SR
☐ Reattach an existing SR:

SR Almacenamiento VDIs (NFS) on xen00





```

Local Command Shell
c
c
c
c
c
INIT: Sending processes the TERM signal <Enter> Fingerprints <F5> Refresh
Shutting down Virtual Machines: ~~~~~~
Requesting evacuation of host

Terminating remaining Virtual Machines:      [ OK ]
Stopping atd:                                [ OK ]
Stopping perfmom:                             [ OK ]
Stopping sshd:                                 [ OK ]
Stopping cronld:                              [ OK ]
Unmounting NFS filesystems: umount.nfs: 172.16.8.188:/mnt/xen/NFS_SR/bdd8edbc-5
28b-7886-47ba-d812f2581724: not found / mounted or server not reachable
umount.nfs: 172.16.8.188:/mnt/xen/NFS_SR/bdd8edbc-528b-7886-47ba-d812f2581724: n
ot found / mounted or server not reachable
umount.nfs: 172.16.8.188:/mnt/xen/NFS_SR/b9cc9821-687c-c896-7c57-7e6baa159d6c: n
ot found / mounted or server not reachable
umount.nfs: 172.16.8.188:/mnt/xen/NFS_SR/b9cc9821-687c-c896-7c57-7e6baa159d6c: n
ot found / mounted or server not reachable
umount.nfs: 172.16.8.188:/mnt/xen/ISOs: not found / mounted or server not reacha
ble
umount.nfs: 172.16.8.188:/mnt/xen/ISOs: not found / mounted or server not reacha
ble
[FAILED]
Cannot stat /var/run/sr-mount/bdd8edbc-528b-7886-47ba-d812f2581724: Input/output
error

Shutting down Virtual Machines: ~~~~~~
Requesting evacuation of host

Terminating remaining Virtual Machines:      [ OK ]
Stopping atd:                                [ OK ]
Stopping perfmom:                             [ OK ]
Stopping sshd:                                 [ OK ]
Stopping cronld:                              [ OK ]
Unmounting NFS filesystems: umount.nfs: 172.16.8.188:/mnt/xen/NFS_SR/bdd8edbc-5
28b-7886-47ba-d812f2581724: not found / mounted or server not reachable
umount.nfs: 172.16.8.188:/mnt/xen/NFS_SR/bdd8edbc-528b-7886-47ba-d812f2581724: n
ot found / mounted or server not reachable
umount.nfs: 172.16.8.188:/mnt/xen/NFS_SR/b9cc9821-687c-c896-7c57-7e6baa159d6c: n
ot found / mounted or server not reachable
umount.nfs: 172.16.8.188:/mnt/xen/NFS_SR/b9cc9821-687c-c896-7c57-7e6baa159d6c: n
ot found / mounted or server not reachable
umount.nfs: 172.16.8.188:/mnt/xen/ISOs: not found / mounted or server not reacha
ble
umount.nfs: 172.16.8.188:/mnt/xen/ISOs: not found / mounted or server not reacha
ble
[FAILED]
Cannot stat /var/run/sr-mount/bdd8edbc-528b-7886-47ba-d812f2581724: Input/output
error
Cannot stat /var/run/sr-mount/bdd8edbc-528b-7886-47ba-d812f2581724: Input/output
error
Cannot stat /var/run/sr-mount/bdd8edbc-528b-7886-47ba-d812f2581724: Input/output
error
Cannot stat /var/run/sr-mount/b9cc9821-687c-c896-7c57-7e6baa159d6c: Input/output
error

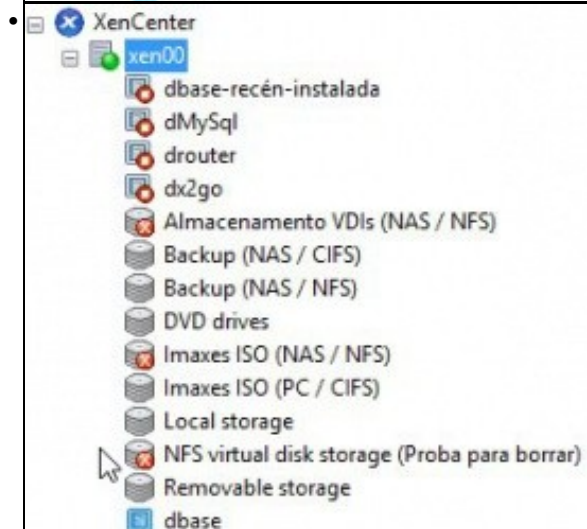
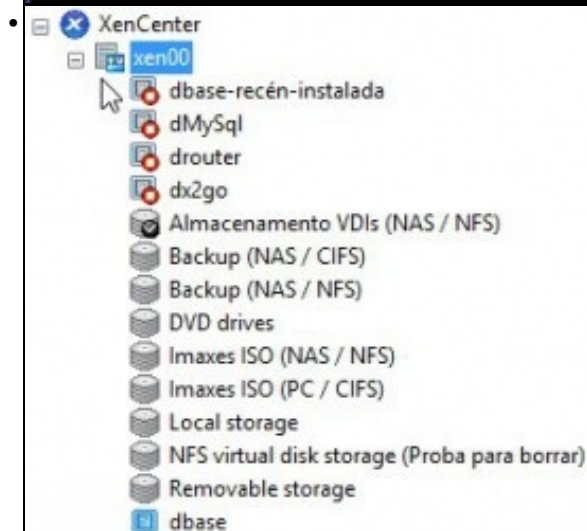
Terminating remaining Virtual Machines:      [ OK ]
Stopping atd:                                [ OK ]
Stopping perfmom:                             [ OK ]
Stopping sshd:                                 [ OK ]
Stopping cronld:                              [ OK ]
Unmounting NFS filesystems: umount.nfs: 172.16.8.188:/mnt/xen/NFS_SR/bdd8edbc-5
28b-7886-47ba-d812f2581724: not found / mounted or server not reachable
umount.nfs: 172.16.8.188:/mnt/xen/NFS_SR/bdd8edbc-528b-7886-47ba-d812f2581724: n
ot found / mounted or server not reachable
umount.nfs: 172.16.8.188:/mnt/xen/NFS_SR/b9cc9821-687c-c896-7c57-7e6baa159d6c: n
ot found / mounted or server not reachable
umount.nfs: 172.16.8.188:/mnt/xen/NFS_SR/b9cc9821-687c-c896-7c57-7e6baa159d6c: n
ot found / mounted or server not reachable
umount.nfs: 172.16.8.188:/mnt/xen/ISOs: not found / mounted or server not reacha
ble
umount.nfs: 172.16.8.188:/mnt/xen/ISOs: not found / mounted or server not reacha
ble
[FAILED]
Cannot stat /var/run/sr-mount/bdd8edbc-528b-7886-47ba-d812f2581724: Input/output
error
Cannot stat /var/run/sr-mount/bdd8edbc-528b-7886-47ba-d812f2581724: Input/output
error
Cannot stat /var/run/sr-mount/bdd8edbc-528b-7886-47ba-d812f2581724: Input/output
error
Cannot stat /var/run/sr-mount/b9cc9821-687c-c896-7c57-7e6baa159d6c: Input/output
error
Cannot stat /var/run/sr-mount/b9cc9821-687c-c896-7c57-7e6baa159d6c: Input/output
error

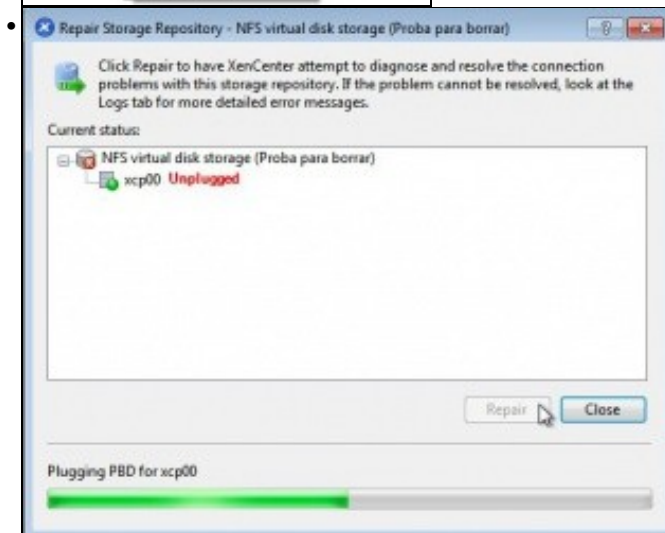
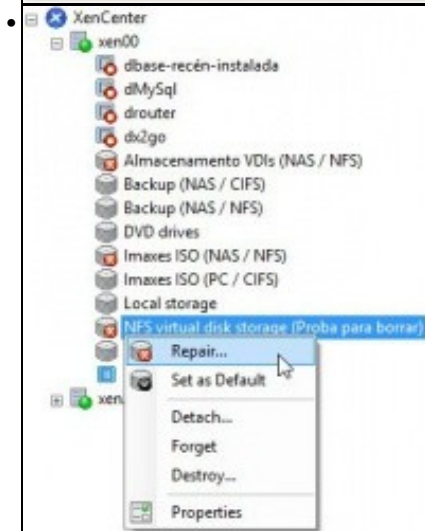
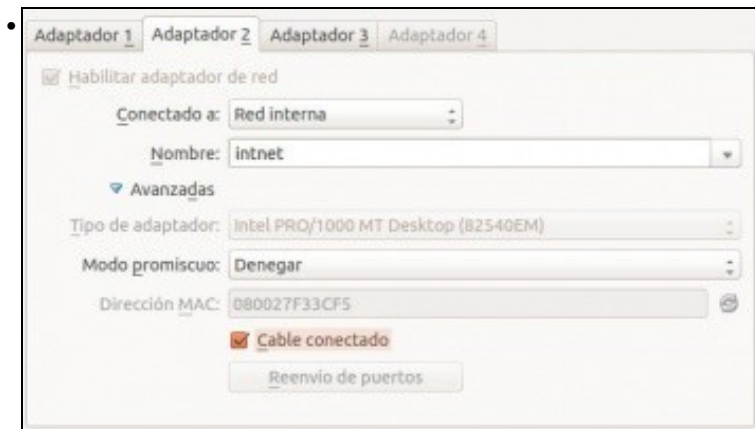
```

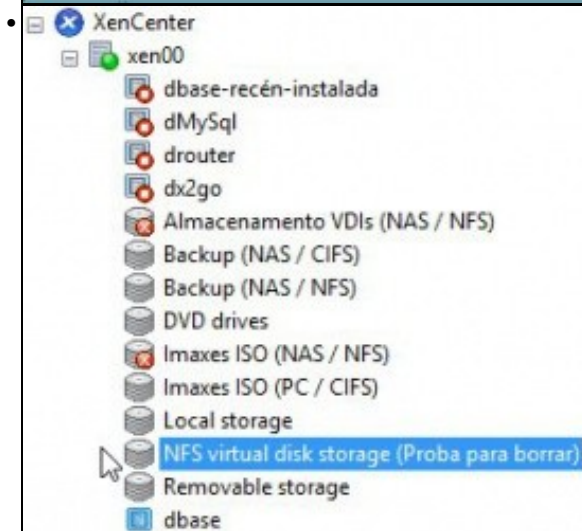
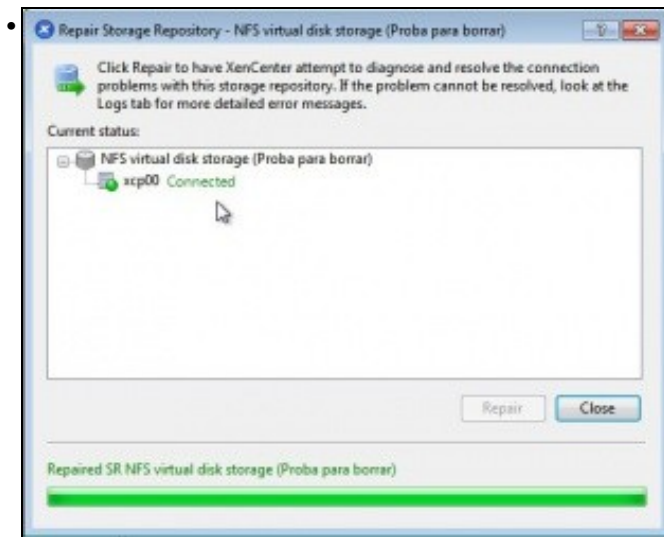
```

• -bfbb-f877-bc4c-92962b1dd91d: not found / mounted or server not reachable
mount.nfs: 172.16.8.188:/mnt/xen/NFS_UDIs/f3c6131c-bfbb-f877-bc4c-92962b1dd91d:
not found / mounted or server not reachable
mount.nfs: 172.16.8.188:/mnt/xen/NFS_UDIs/c43aaae1-fa21-6ca5-8b4e-931a1faaf244:
not found / mounted or server not reachable
mount.nfs: 172.16.8.188:/mnt/xen/NFS_UDIs/c43aaae1-fa21-6ca5-8b4e-931a1faaf244:
not found / mounted or server not reachable
mount.nfs: 172.16.8.188:/mnt/xen/ISOs: not found / mounted or server not reacha
ble
mount.nfs: 172.16.8.188:/mnt/xen/ISOs: not found / mounted or server not reacha
ble
[FAILED]
Cannot stat /var/run/sr-mount/f3c6131c-bfbb-f877-bc4c-92962b1dd91d: Input/output
error
Cannot stat /var/run/sr-mount/f3c6131c-bfbb-f877-bc4c-92962b1dd91d: Input/output
error
Cannot stat /var/run/sr-mount/f3c6131c-bfbb-f877-bc4c-92962b1dd91d: Input/output
error
Cannot stat /var/run/sr-mount/c43aaae1-fa21-6ca5-8b4e-931a1faaf244: Input/output
error
Cannot stat /var/run/sr-mount/c43aaae1-fa21-6ca5-8b4e-931a1faaf244: Input/output
error
Cannot stat /var/run/sr-mount/c43aaae1-fa21-6ca5-8b4e-931a1faaf244: Input/output
error
Cannot stat /var/run/sr-mount/a348675d-6d6b-84fc-fadd-82c5a48f7a83: Input/output
error
Cannot stat /var/run/sr-mount/a348675d-6d6b-84fc-fadd-82c5a48f7a83: Input/output
error

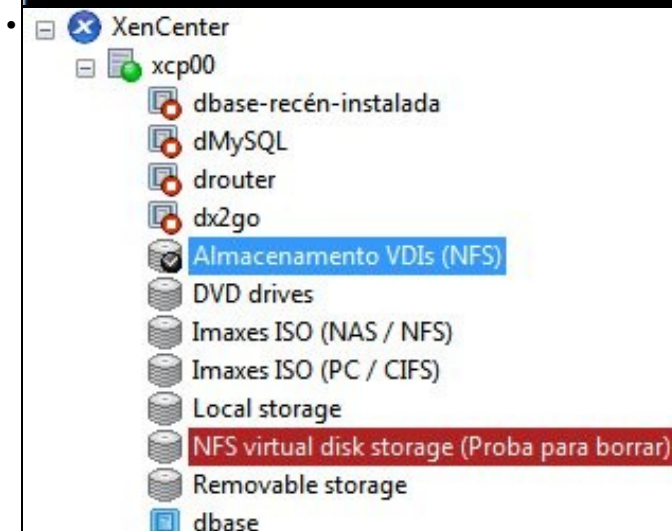
```







```
[root@xen00 ~]# xe sr-list name-label=Almacenamiento VDI's \ (NAS / NFS)
sr-id ( RO) : c439aac1-fa21-6ca5-0b4e-931a1faaf244
name-label ( RW): Almacenamiento VDI's (NAS / NFS)
name-description ( RW): NFS SR [172.16.0.100:/nnt/xen/NFS_VDI's]
host ( RO): xen00
type ( RO): nfs
content-type ( RO):
```



```

• [root@xcp00 ~]# xe sr-list
uid ( RO)                : b9cc9821-687c-c896-7c57-7e6baa159d6c
name-label ( RW)         : NFS virtual disk storage (Proba para borrar)
name-description ( RW)   : NFS SR [172.16.0.100:/mnt/xen/NFS_SR]
host ( RO)               : xcp00
type ( RO)               : nfs
content-type ( RO)      :

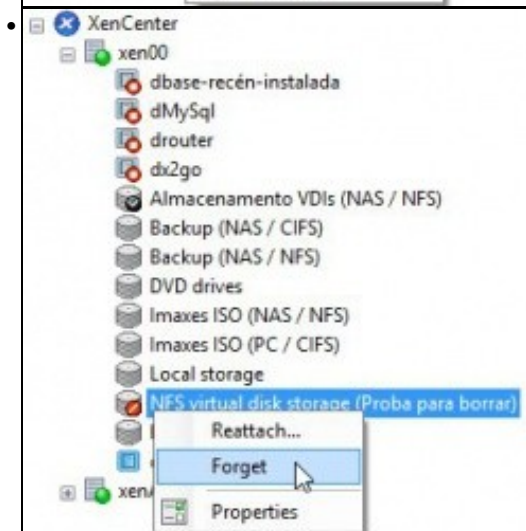
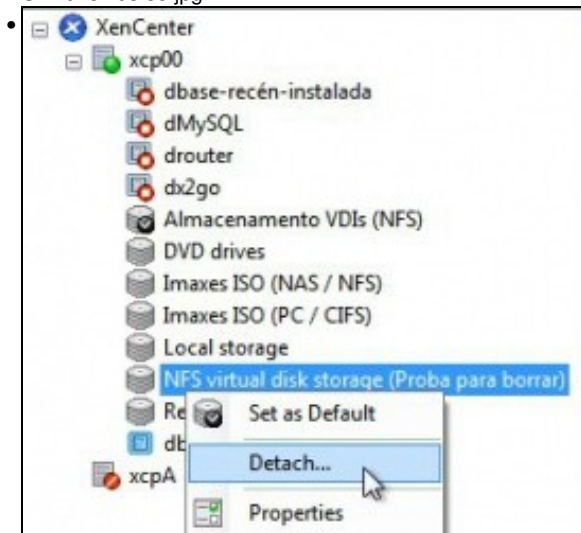
• [root@xen00 ~]# mount | grep NFS
172.16.0.100:/mnt/xen/NFS_VDIs/c43aae1-fa21-6ca5-0b4e-931a1faaf244 on /var/run/
sr-mount/c43aae1-fa21-6ca5-0b4e-931a1faaf244 type nfs (rw,soft,timeo=133,retroa
s=2147483647,tcp,actimeo=0,addr=172.16.0.100)
172.16.0.100:/mnt/xen/NFS_VDIs/f3c6131c-bfbb-f877-bc4c-92962b1dd91d on /var/run/
sr-mount/f3c6131c-bfbb-f877-bc4c-92962b1dd91d type nfs (rw,soft,timeo=133,retroa
s=2147483647,tcp,actimeo=0,addr=172.16.0.100)
[root@xen00 ~]#

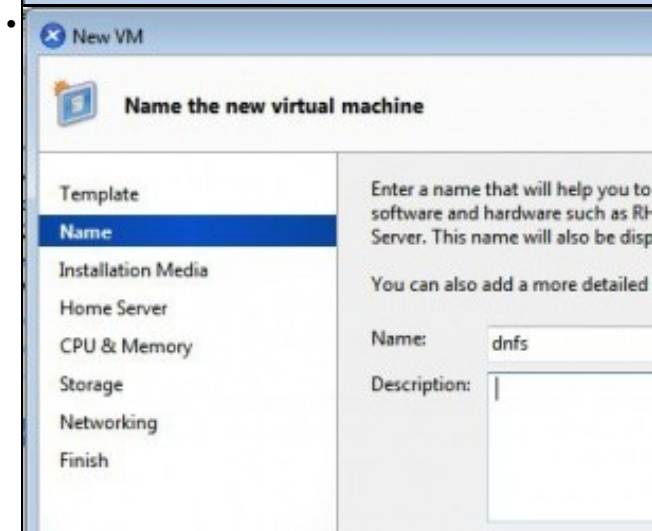
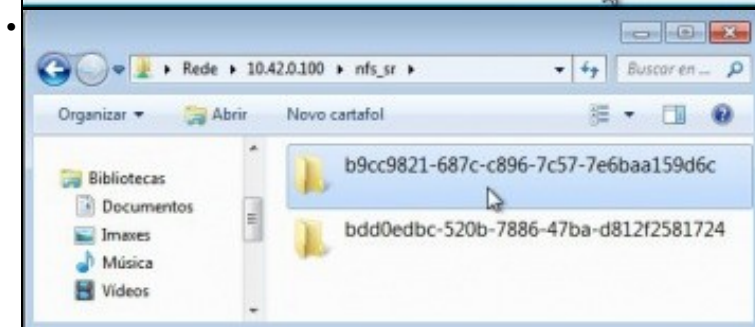
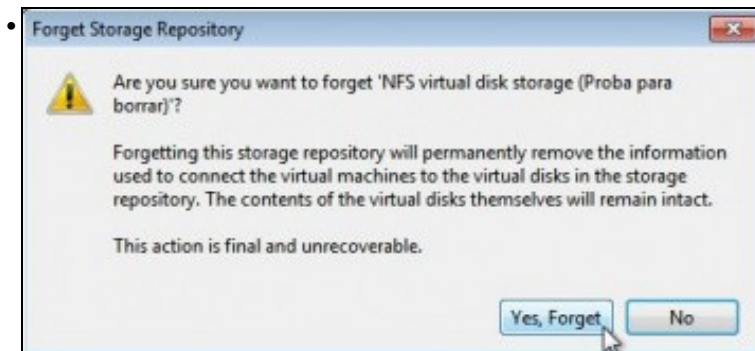
• [root@xen00 ~]# xe sr-param-list uuid=c43aae1-fa21-6ca5-0b4e-931a1faaf244
uid ( RO)                : c43aae1-fa21-6ca5-0b4e-931a1faaf244
name-label ( RW)         : Almacenamiento VDIs (NAS / NFS)
name-description ( RW)   : NFS SR [172.16.0.100:/mnt/xen/NFS_VDIs]
host ( RO)               : xen00
allowed-operations (SR0): forget: VDI.create: VDI.snapshot: PBD.create: PBD
D.destroy: plug: update: destroy: VDI.destroy: scan: VDI.clone: VDI.resize: unplug
current-operations (SR0):
VDIs (SR0):
PBDs (SR0): ff22a695-9e53-7898-2697-2d830be17272
virtual-allocation ( RO) : 0
physical-utilisation ( RO) : 196608
physical-size ( RO)       : 214748364800
type ( RO)                : nfs
content-type ( RO)        :
shared ( RW)              : true
introduced-by ( RO)       : <not in database>
other-config (MRW)        : dirty:
sn-config (MRW)           :
blobs ( RO)               :

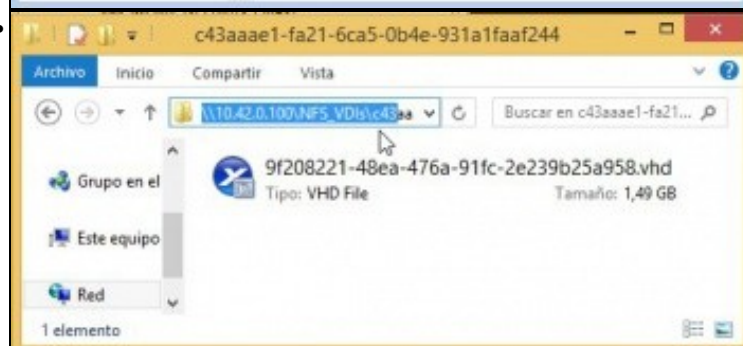
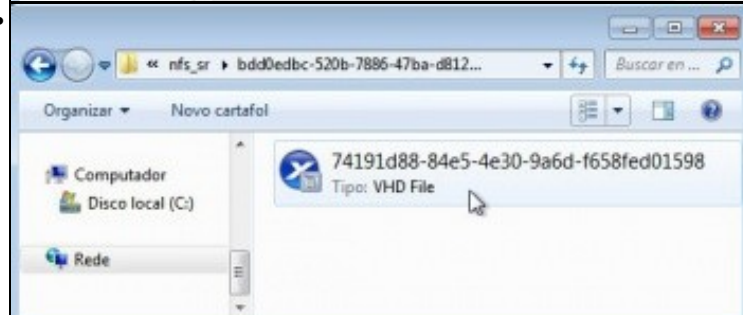
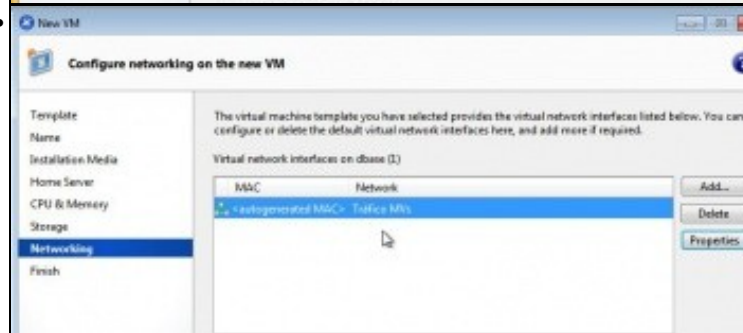
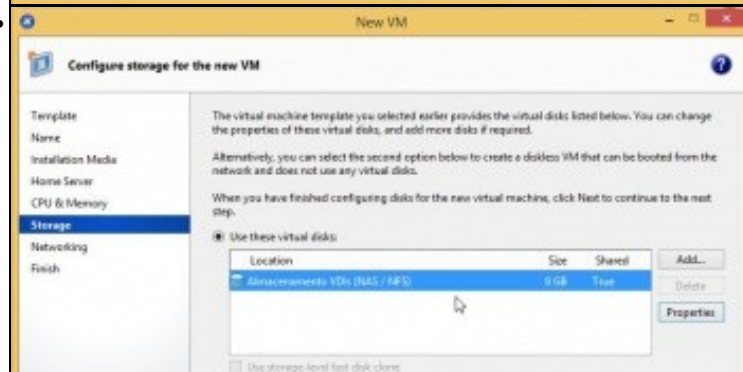
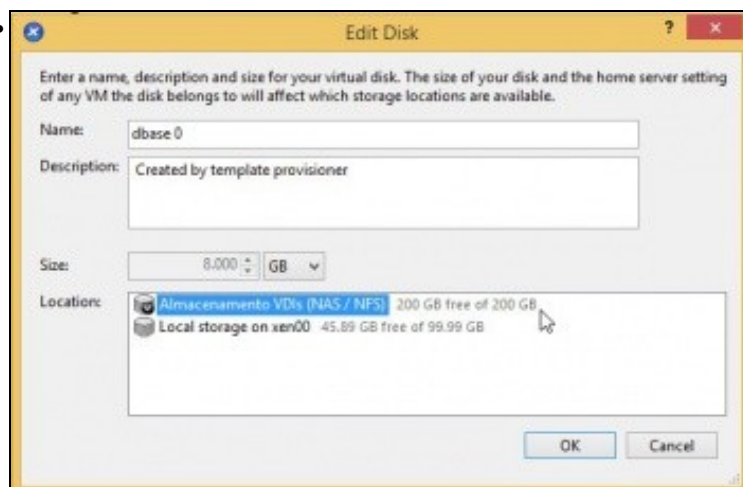
• [root@xen00 ~]# xe sr-list uuid=c43aae1-fa21-6ca5-0b4e-931a1faaf244 params=name
-label,PBDs
name-label ( RW)         : Almacenamiento VDIs (NAS / NFS)
PBDs (SR0)               : ff22a695-9e53-7898-2697-2d830be17272

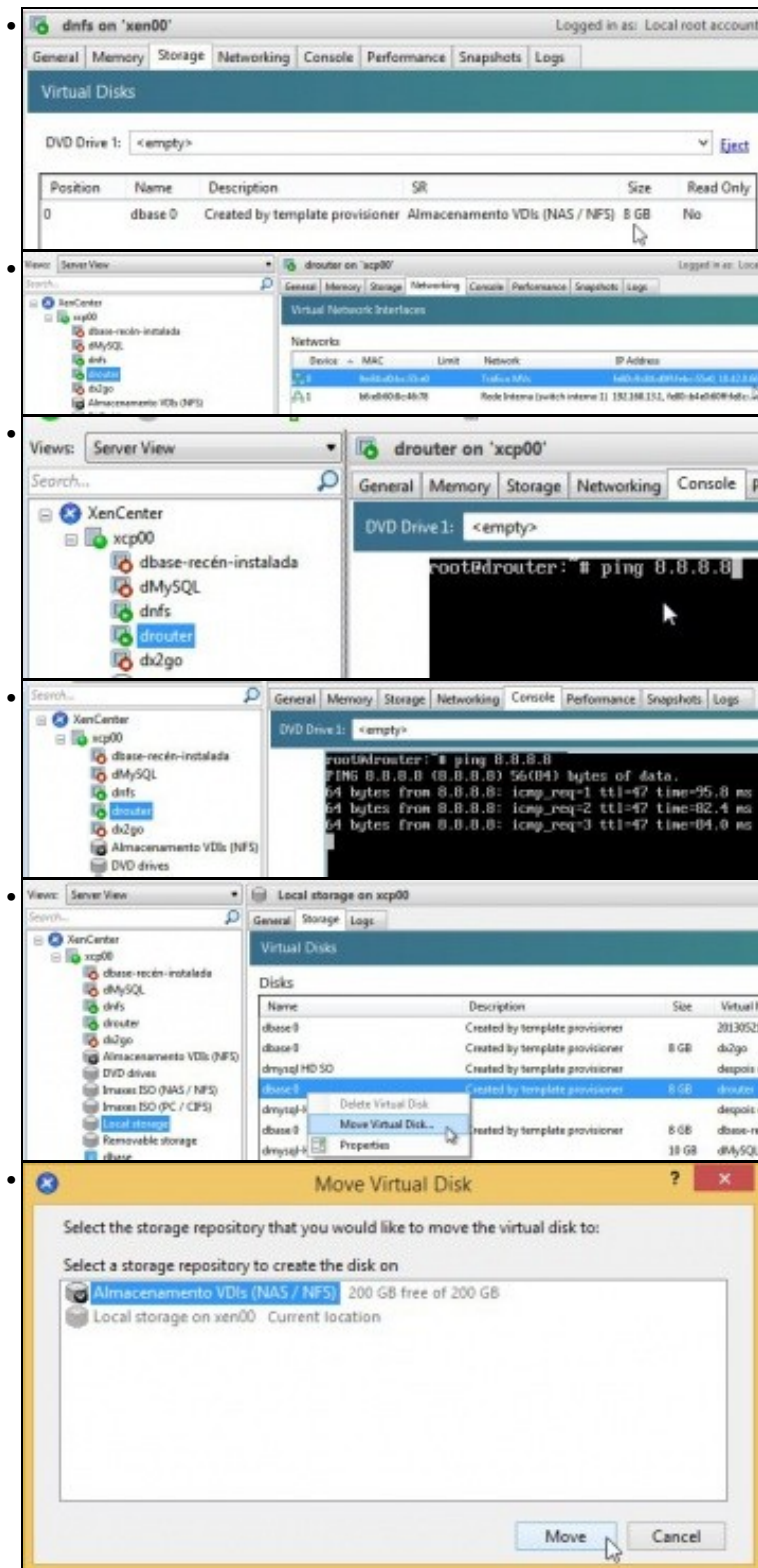
```

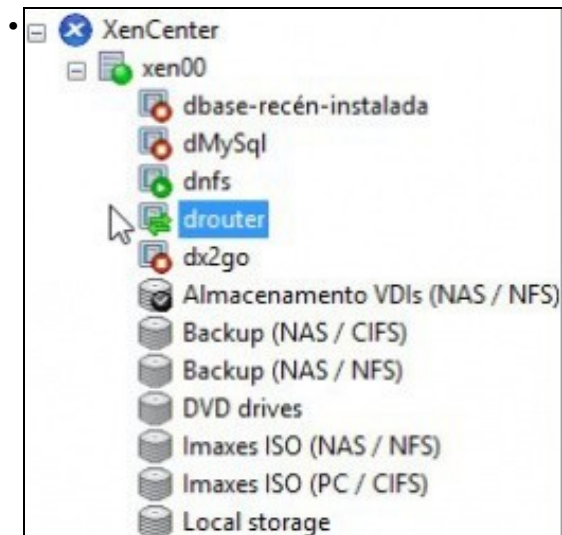
• Sv 2013 vds 35.jpg



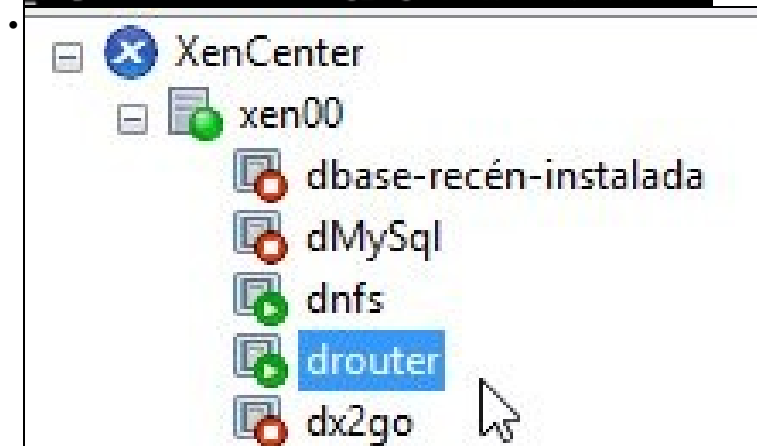


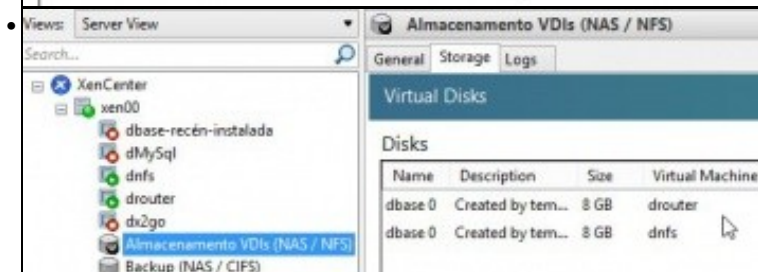
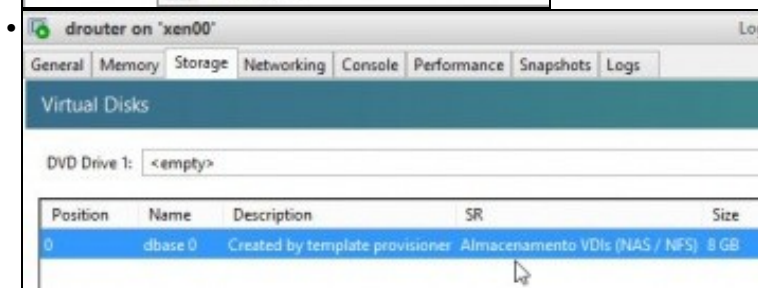
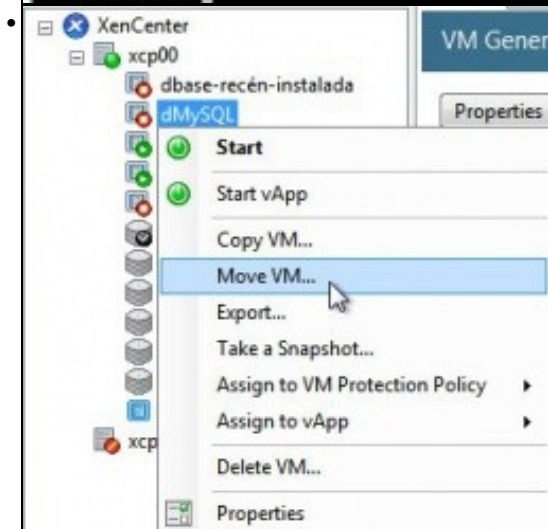
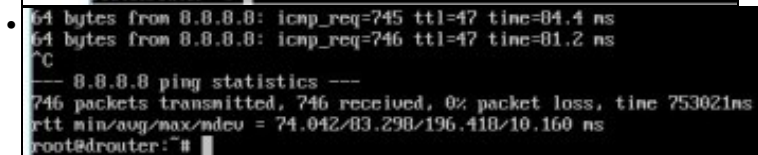
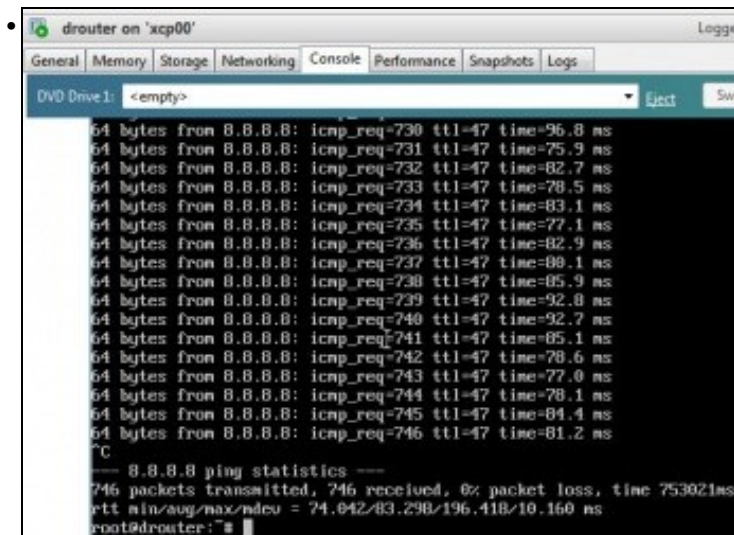


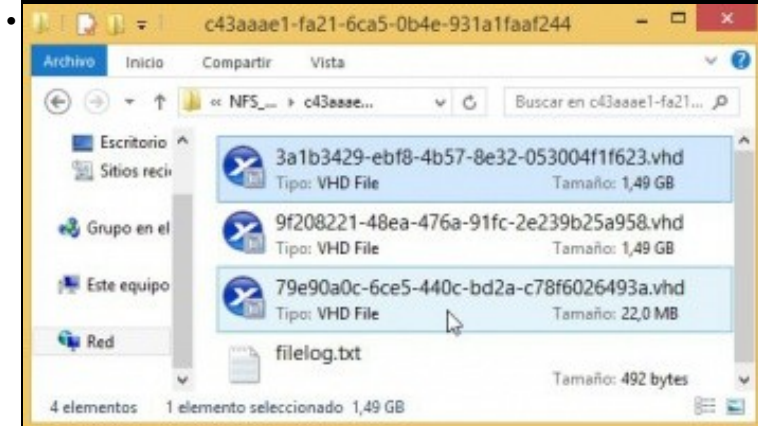
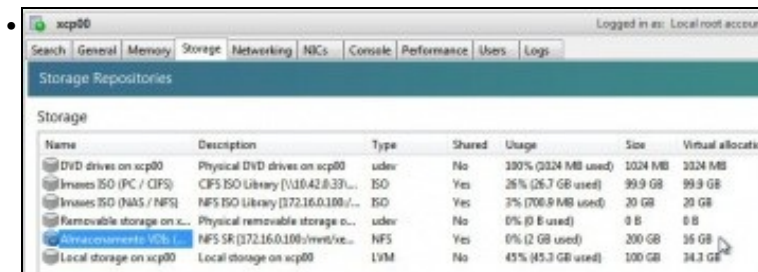




- ```
64 bytes from 8.8.8.8: icmp_req=193 ttl=47 time=79.1 ns
64 bytes from 8.8.8.8: icmp_req=194 ttl=47 time=77.4 ns
64 bytes from 8.8.8.8: icmp_req=195 ttl=47 time=78.8 ns
64 bytes from 8.8.8.8: icmp_req=196 ttl=47 time=88.4 ns
64 bytes from 8.8.8.8: icmp_req=197 ttl=47 time=88.0 ns
64 bytes from 8.8.8.8: icmp_req=198 ttl=47 time=84.7 ns
64 bytes from 8.8.8.8: icmp_req=199 ttl=47 time=80.5 ns
64 bytes from 8.8.8.8: icmp_req=200 ttl=47 time=75.5 ns
64 bytes from 8.8.8.8: icmp_req=201 ttl=47 time=78.2 ns
64 bytes from 8.8.8.8: icmp_req=202 ttl=47 time=92.6 ns
64 bytes from 8.8.8.8: icmp_req=203 ttl=47 time=89.5 ns
64 bytes from 8.8.8.8: icmp_req=204 ttl=47 time=76.0 ns
64 bytes from 8.8.8.8: icmp_req=205 ttl=47 time=84.5 ns
64 bytes from 8.8.8.8: icmp_req=206 ttl=47 time=89.4 ns
64 bytes from 8.8.8.8: icmp_req=207 ttl=47 time=90.0 ns
64 bytes from 8.8.8.8: icmp_req=208 ttl=47 time=81.2 ns
64 bytes from 8.8.8.8: icmp_req=209 ttl=47 time=79.5 ns
64 bytes from 8.8.8.8: icmp_req=210 ttl=47 time=75.5 ns
64 bytes from 8.8.8.8: icmp_req=211 ttl=47 time=79.3 ns
64 bytes from 8.8.8.8: icmp_req=212 ttl=47 time=76.3 ns
64 bytes from 8.8.8.8: icmp_req=213 ttl=47 time=88.2 ns
```







- 2014-03-01 22:38:50.363819 log: /var/run/sr-mount/c43aaae1-fa21-6ca5-0b4e-931a1faaf244 /var/run/sr-mount/c43aaae1-fa21-6ca5-0b4e-931a1faaf244/79e90a0c-6ce5-440c-bd2a-c78f6026493a.vhd vdi\_clone c43aaae1-fa21-6ca5-0b4e-931a1faaf244 79e90a0c-6ce5-440c-bd2a-c78f6026493a 569470b1-bb7b-45cf-b9ba-040fc8650d51

2014-03-01 22:38:50.592871 end: /var/run/sr-mount/c43aaae1-fa21-6ca5-0b4e-931a1faaf244 /var/run/sr-mount/c43aaae1-fa21-6ca5-0b4e-931a1faaf244/79e90a0c-6ce5-440c-bd2a-c78f6026493a.vhd done



**Editar Portal**

Comentario:

IP del portal

Dirección IPv4:

Puerto:

Borrar: ☐

Dirección IPv4:

Puerto:

Borrar: ☒

Dirección IPv4:

Puerto:

Borrar: ☐

Add extra IP del portal

**iSCSI** ✕

Configuración Global del Destino Portales **Iniciadores** Acceso autorizado

| ID de Grupo | Iniciadores | Red Autorizada | Comentario          |
|-------------|-------------|----------------|---------------------|
| 2           | ALL         | 172.16.0.0/24  | Equipos da rede SAN |

**iSCSI** ✕

Configuración Global del Destino **Portales** Iniciadores Acceso autorizado

| ID del Portal del Grupo | Escuchar          | Comentario |
|-------------------------|-------------------|------------|
| 1                       | 172.16.0.100:3260 |            |

**Edit**

Nombre del destino:

Alias del destino:

Serial:

Marcadores destino:

ID del Portal del Grupo:

ID del grupo iniciador:

Metodo de Autenticación:

Número de Autenticación de Grupo:

- ISCSI

✕

Configuración Global del Destino

Portales

Iniciadores

Acceso autorizado

Destinos

Extender

Destinos asociados

Add Destino

| Nombre del destino | Alias del destino    | Serial         | Marcadores destino | ID del Portal del Grupo | ID del grupo iniciador | Método de Autenticación | ID del Grupo de Autenticación |
|--------------------|----------------------|----------------|--------------------|-------------------------|------------------------|-------------------------|-------------------------------|
| iscsi-vdis         | Almacename para VDis | 0800278d83ee00 | nw                 | 1                       | 2 (Equipos de red SAN) | CHAP                    | 1                             |

- Edit

✕

Nombre del medio:

ISCSI\_VDis

?

Tipo de medio:

Dispositivo

▼

Dispositivo:

xen/ISCSI\_VDis (200G)

▼

Comentario:

?

OK

Cancelar

Borrar

- ISCSI

✕

Configuración Global del Destino

Portales

Iniciadores

Acceso autorizado

Destinos

Extender

Add Medio (Extent)

| Nombre del medio | Tipo de medio | Ruta al medio            | Comentario |
|------------------|---------------|--------------------------|------------|
| ISCSI_VDis       | ZVOL          | /dev/zvol/xen/ISCSI_VDis |            |

- iSCSI

✕

Configuración Global del Destino

Portales

Iniciadores

Acceso autorizado

Destinos

Extender

Destinos asociados

Add Destino / Medio

| Destino    | Medio (Extent) |
|------------|----------------|
| iscsi-vdis | ISCSI_VDis     |

- iSCSI

✕

Servicios

✕

Nucleo (Core)

Plugins

AD

OFF

⚙

AFP

OFF

⚙

CIFS

ON

⚙

DNS Dinamica

OFF

⚙

FTP

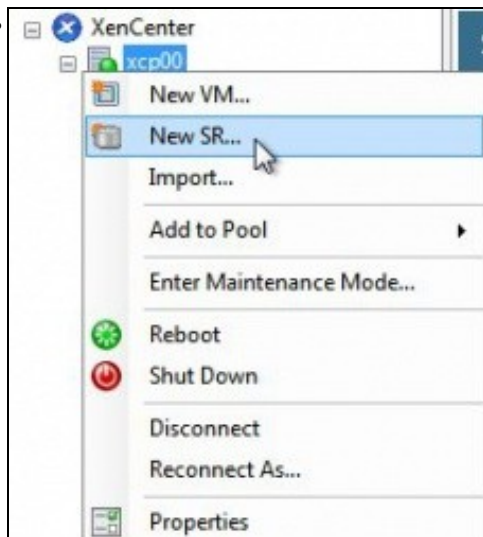
OFF

⚙

ISCSI

ON

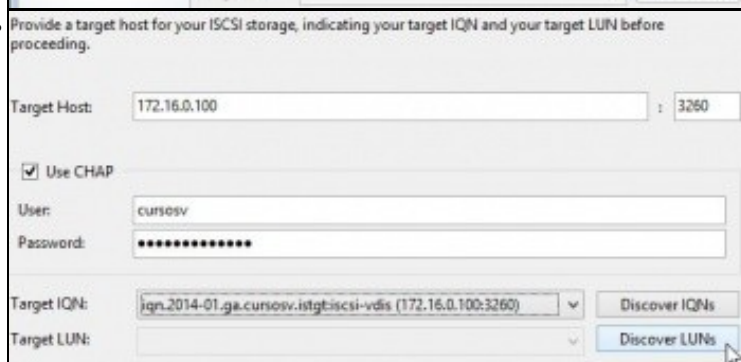
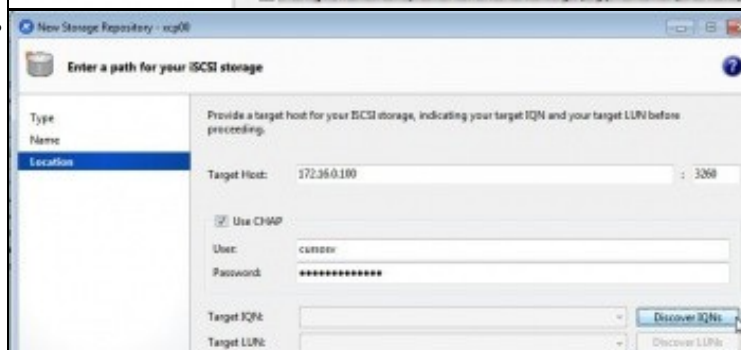
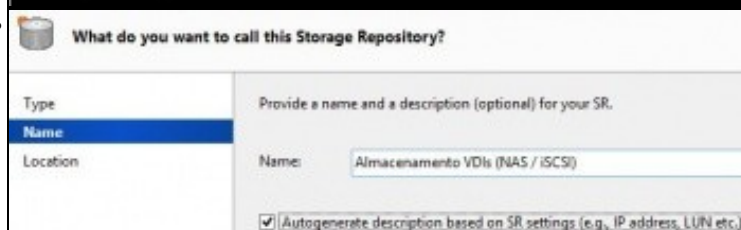
⚙



```

[root@xcp00 ~]# ll /etc/iscsi/
total 32
drwxr-xr-x 2 root root 4096 Nov 26 17:57 .
-rw-r--r-- 1 root root 50 Nov 26 17:53 initiatorname.iscsi
lrwxrwxrwx 1 root root 19 Apr 29 18:41 iscsid.conf -> iscsid-default.conf
-rw-r--r-- 1 root root 8293 Nov 22 2012 iscsid-default.conf
-rw-r--r-- 1 root root 8282 Nov 22 2012 iscsid-mpath.conf
[root@xcp00 ~]#

```



- Provide a target host for your iSCSI storage, indicating your target IQN and your target LUN before proceeding.

Target Host:  :

☒ Use CHAP

User:

Password:

Target IQN:

Target LUN:

**XenCenter**

Scanning for LVM over iSCSI SRs on  
172.16.0.100

**Location**

 Creating a new virtual disk on this LUN will destroy any data present. You must ensure that no other system is using the LUN, including any XenServers, or the virtual disk may become corrupted while in use.

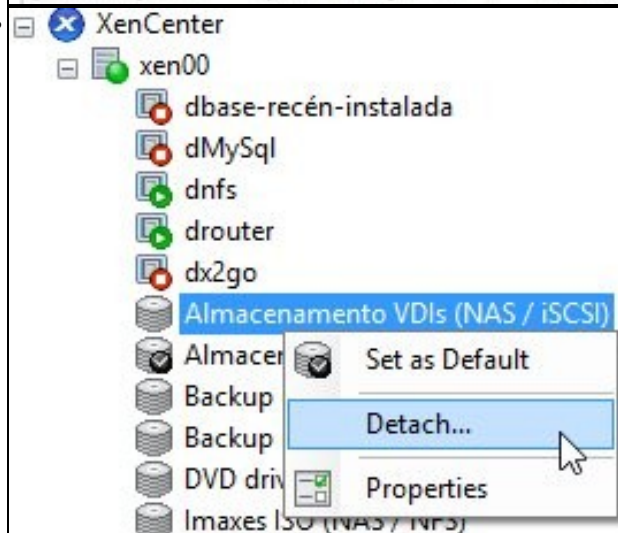
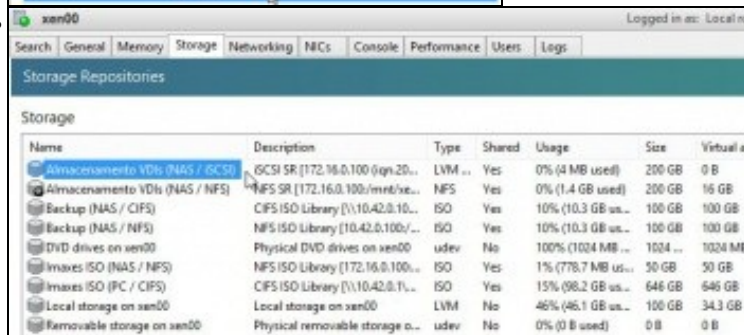
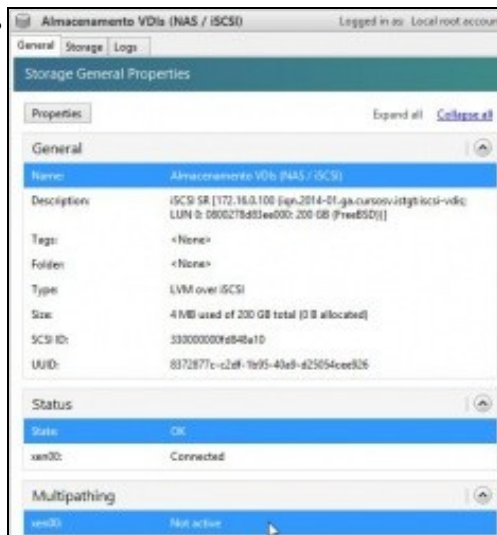
Do you wish to format the disk?

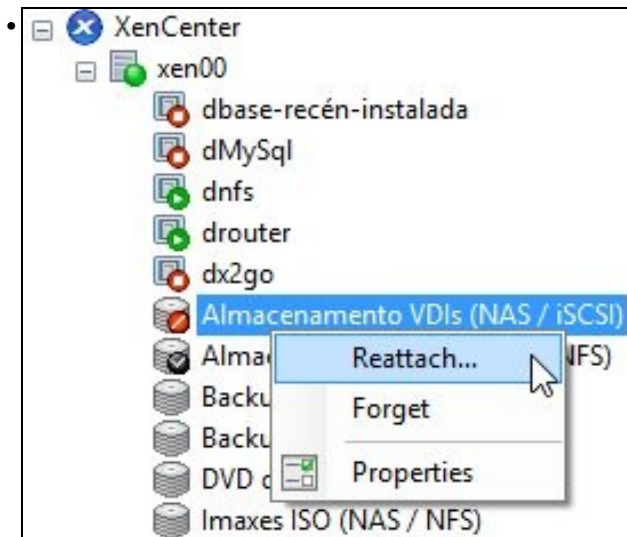
**XenCenter**

Creating SR

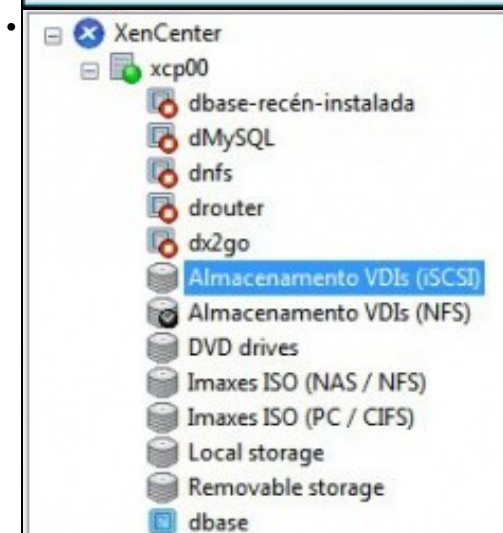
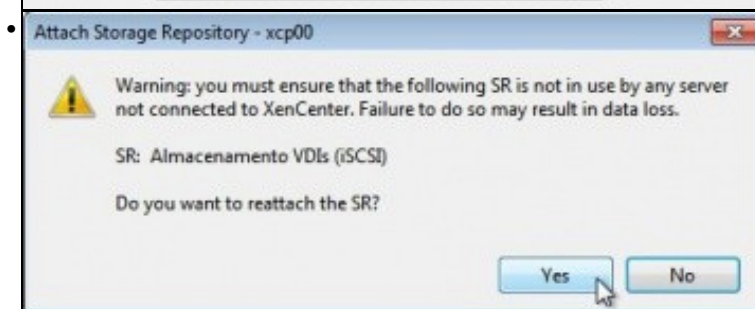
**XenCenter**

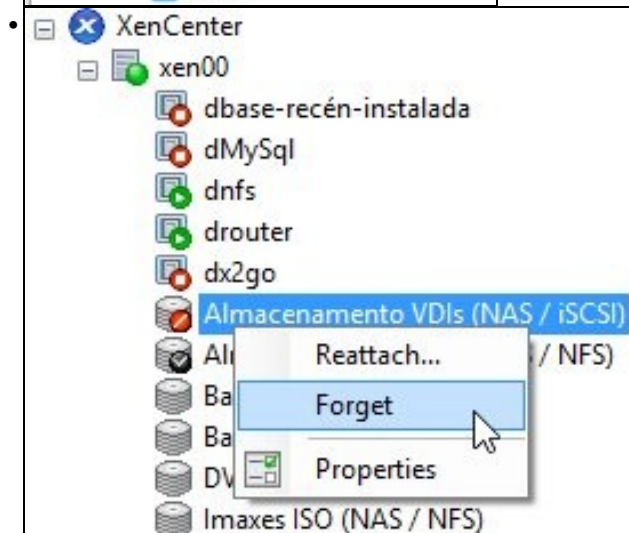
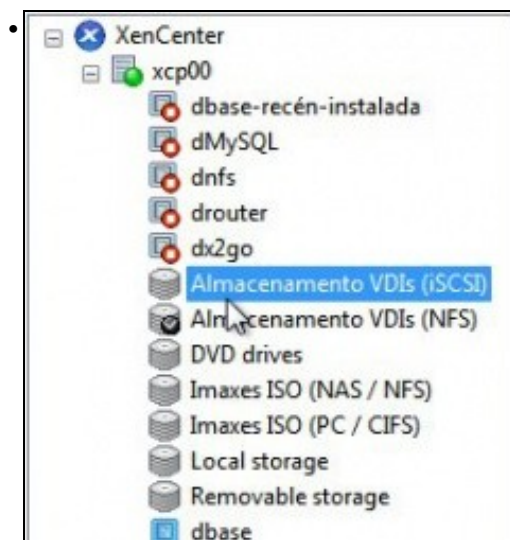
- xen00
  - dbase-recén-instalada
  - dMySQL
  - dnfs
  - drouter
  - dx2go
  - Almacenamiento VDIs (NAS / iSCSI)**
  - Almacenamiento VDIs (NAS / NFS)
  - Backup (NAS / CIFS)
  - Backup (NAS / NFS)
  - DVD drives
  - Imaxes ISO (NAS / NFS)
  - Imaxes ISO (PC / CIFS)
  - Local storage
  - Removable storage
  - dbase

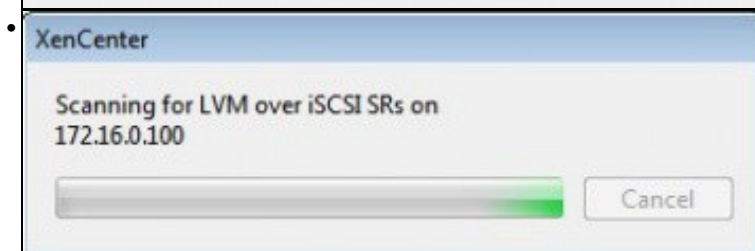
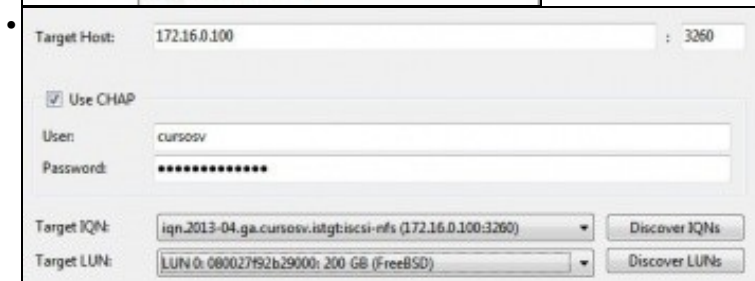
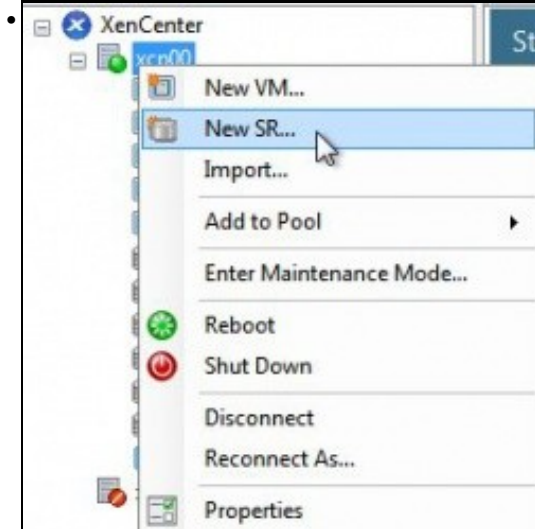
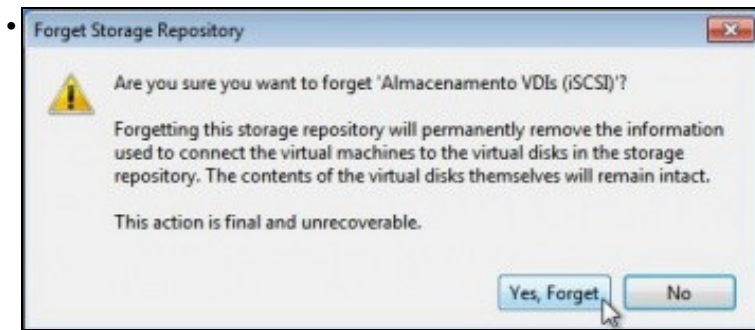


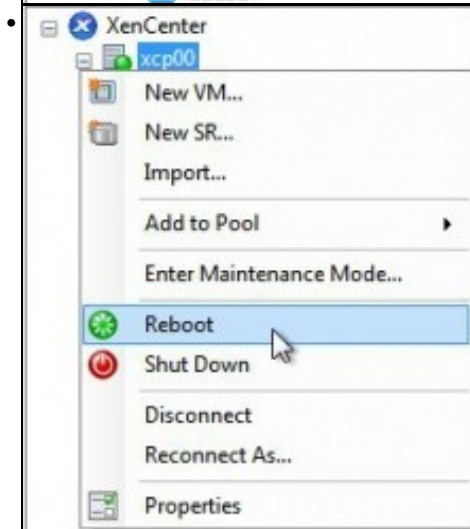
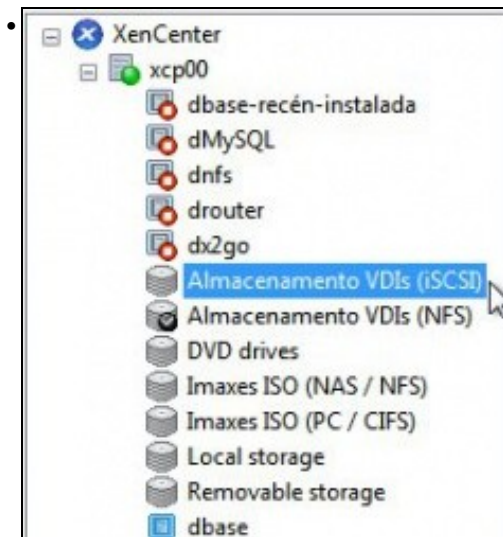


- Provide a target host for your iSCSI storage, indicating your target IQN and your target LUN before proceeding.  
  
Target Host: 172.16.0.100 ; 3260  
  
☒ Use CHAP  
User: cursosv  
Password: \*\*\*\*\*  
  
Target IQN: iqn.2013-04.ga.cursosv.istgtiscsi-nfs (172.16.0.100:3260) Discover IQNs  
Target LUN: LUN 0: 080027f92b29000: 200 GB (FreeBSD) Discover LUNs









- ```

[root@xcp00 ~]# ll /etc/iscsi/
total 40
drwxr-xr-x 2 root root 4096 May 26 15:01 .
-rw-r--r-- 1 root root 68 May 26 15:01 initiatorname.iscsi
lrwxrwxrwx 1 root root 19 Apr 29 18:41 iscsid.conf -> iscsid-default.conf
-rw-r--r-- 1 root root 8203 Nov 22 2012 iscsid-default.conf
-rw-r--r-- 1 root root 8202 Nov 22 2012 iscsid-npath.conf
-rw-r--r-- 1 root root 0 May 26 14:41 lock
drwxr-xr-x 3 root root 4096 May 26 15:01 nodes
drwxr-xr-x 3 root root 4096 May 26 15:01 send_targets
[root@xcp00 ~]#

[root@xcp00 ~]# ll /etc/iscsi/nodes/
total 4
drwxr-xr-x 3 root root 4096 May 26 15:01 iqn.2014-01.ga.cursosov.istgt:iscsi-odis
[root@xcp00 ~]#

[root@xcp00 ~]# cat /etc/iscsi/nodes/iqn.2014-01.ga.cursosov.istgt:iscsi-odis/172
.16.0.100N,3260N,1/default
# BEGIN RECORD 2.0-871
node.name = iqn.2014-01.ga.cursosov.istgt:iscsi-odis
node.tpgt = 1
node.startup = manual
iface.iscsi_ifacename = default
iface.transport_name = tcp
node.discovery_address = 172.16.0.100
node.discovery_port = 3260
node.discovery_type = send_targets
node.session.initial_cmds_max = 0
node.session.initial_login_retry_max = 4
node.session.xmit_thread_priority = -20
node.session.cmds_max = 128
node.session.queue_depth = 32
node.session.auth.authmethod = CHAP
node.session.auth.username = cursosov
node.session.auth.password = abc123456789.

```

