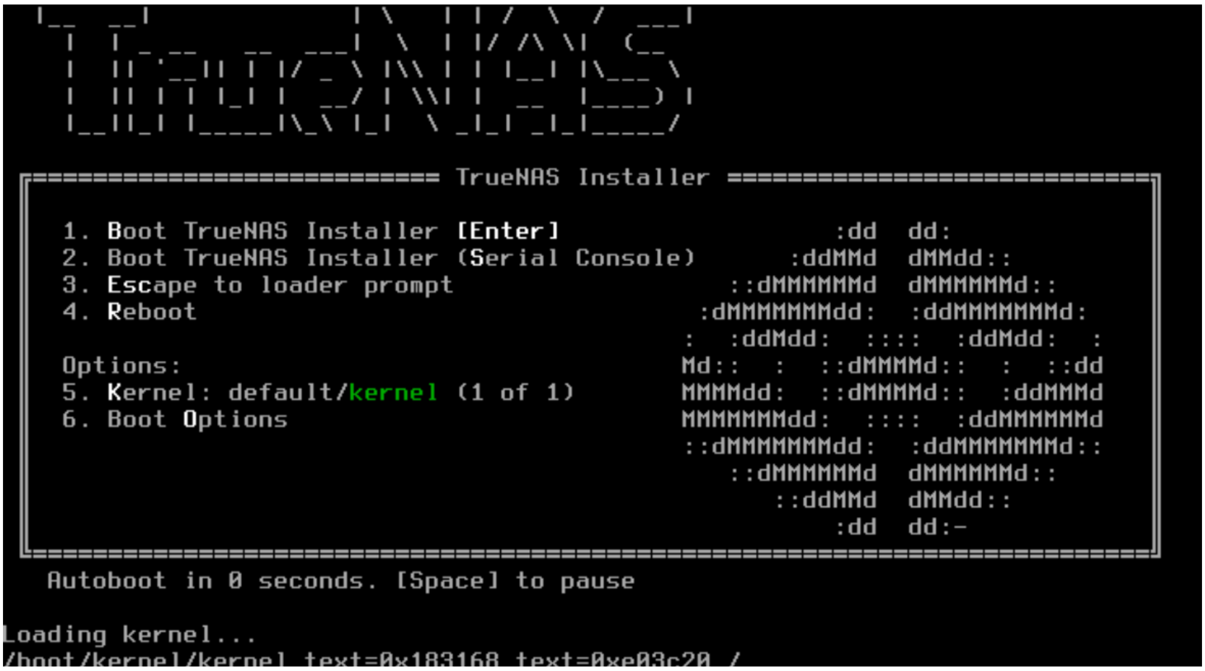
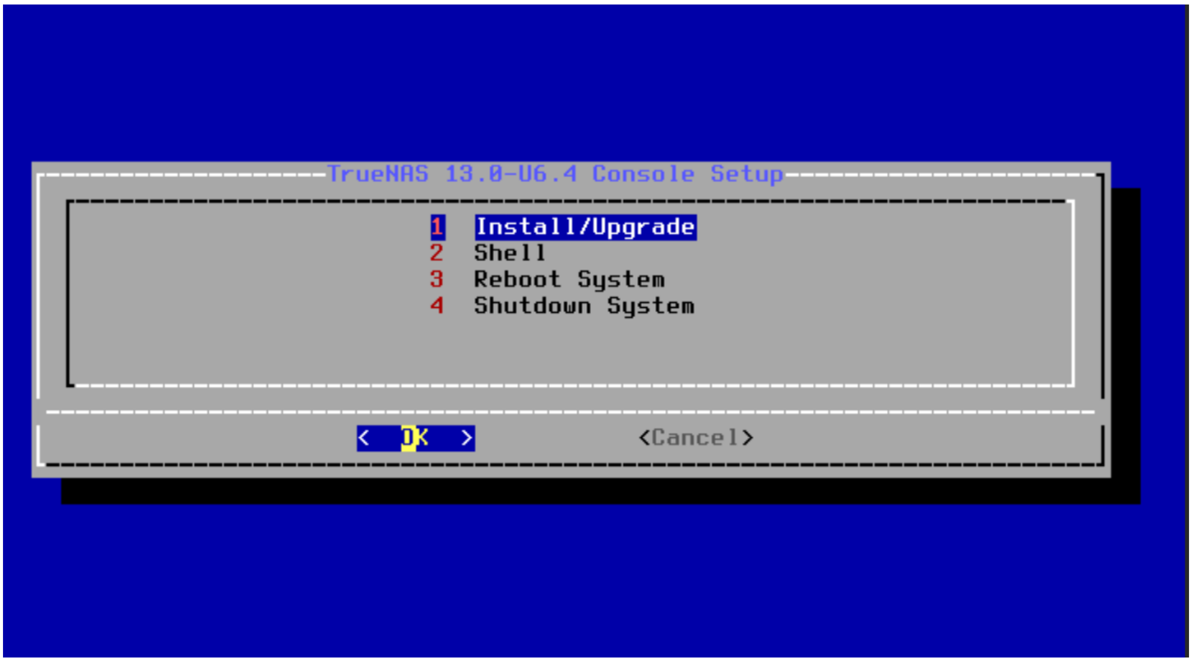
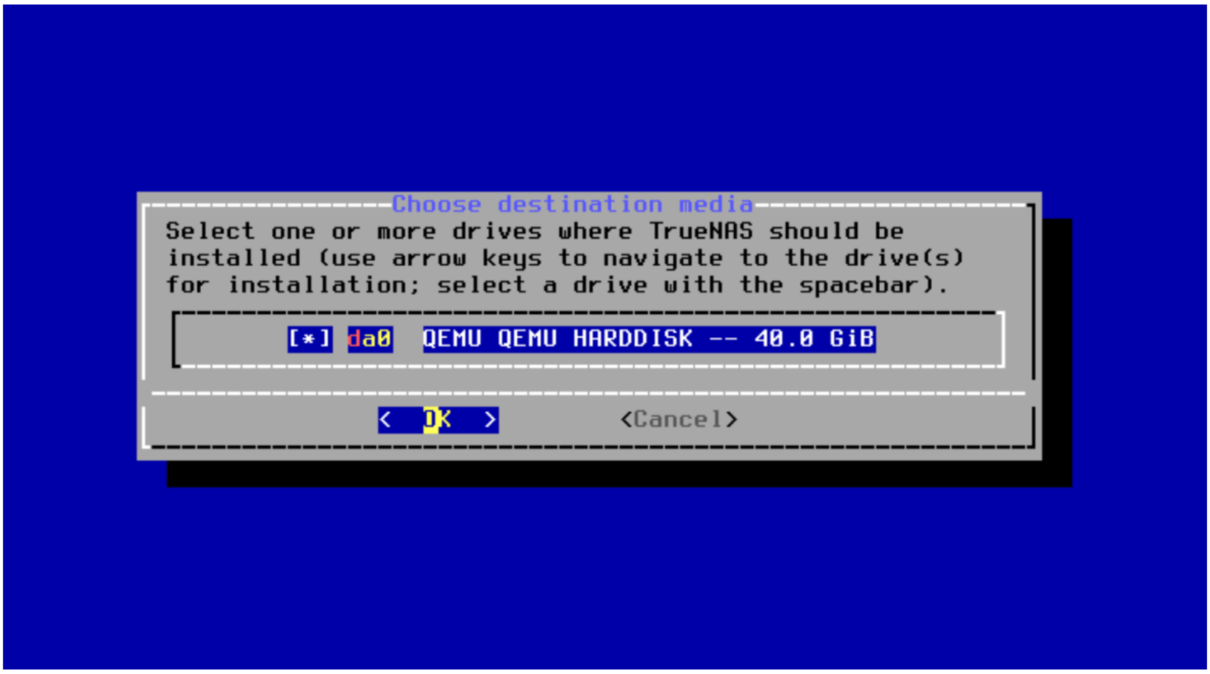
Installation TrueNas



```
==================== TrueNAS Installer ====================

  1. Boot TrueNAS Installer [Enter]
  2. Boot TrueNAS Installer (Serial Console)
  3. Escape to loader prompt
  4. Reboot

  Options:
  5. Kernel: default/kernel (1 of 1)
  6. Boot Options

  Autoboot in 0 seconds. [Space] to pause

Loading kernel...
/boot/kernel/kernel text=0x183168 text=0xe03c20 /
```

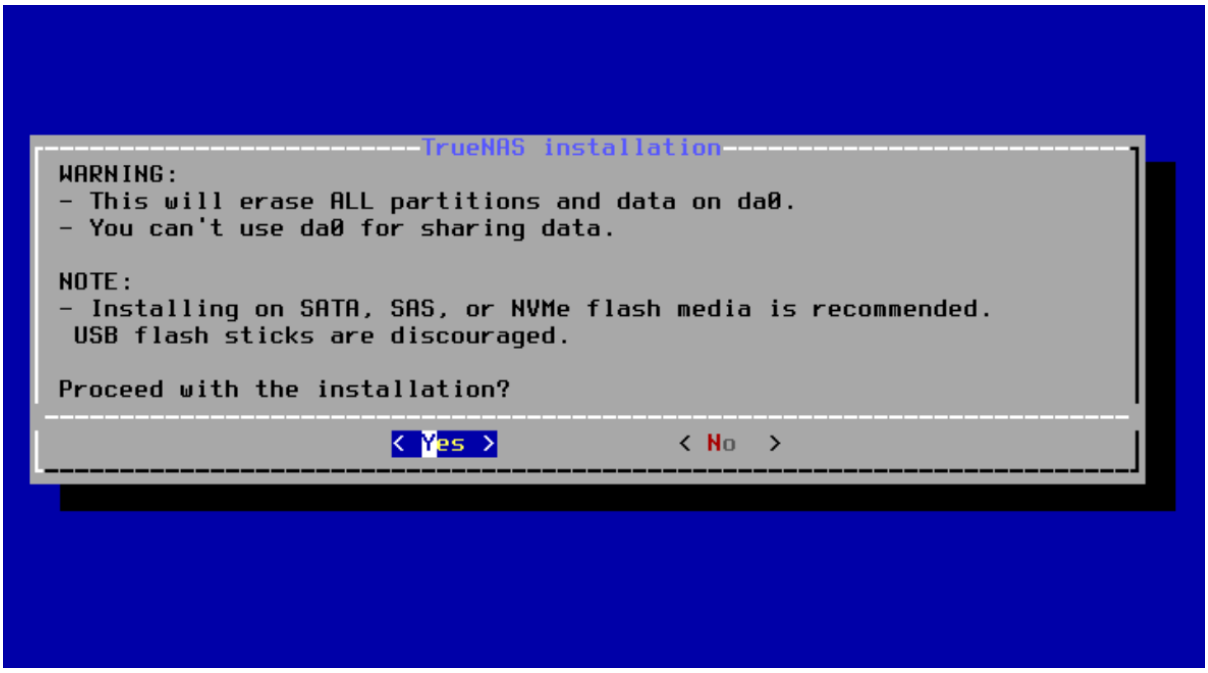


```
TrueNAS 13.0-U6.4 Console Setup

  1  Install/Upgrade
  2  Shell
  3  Reboot System
  4  Shutdown System

  <  OK  >        <Cancel>
```


Choose destination media
< OK >
<Cancel>

Select one or more drives where TrueNAS should be installed (use arrow keys to navigate to the drive(s) for installation; select a drive with the spacebar).

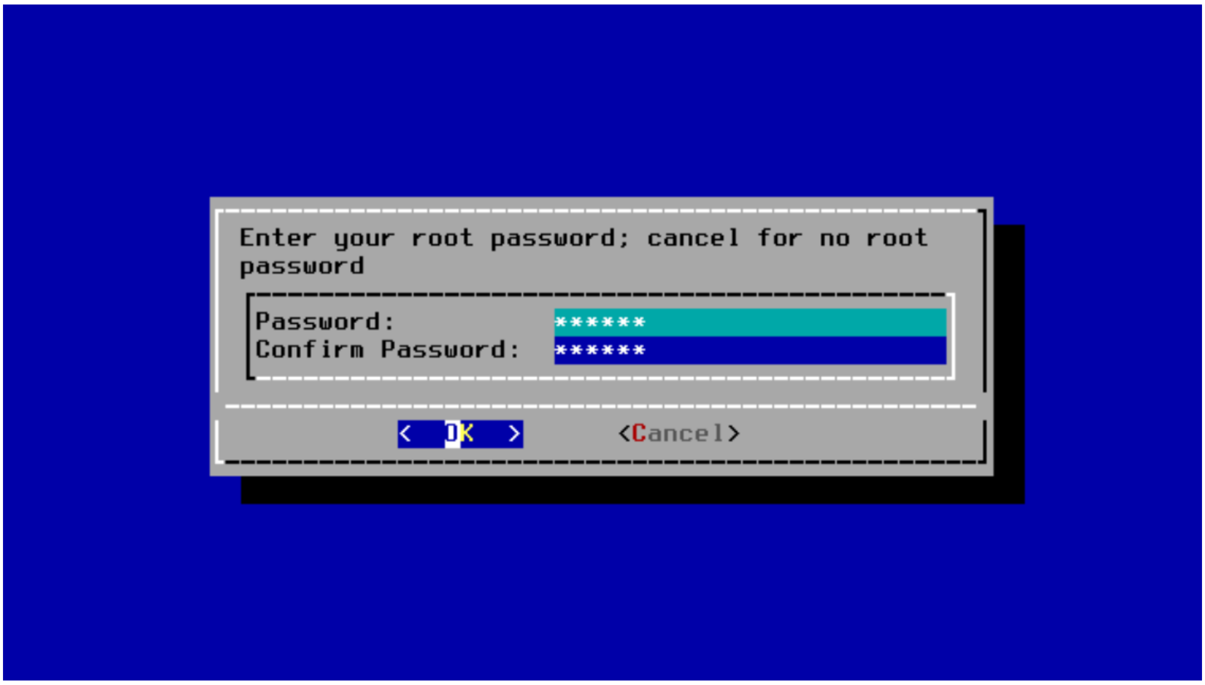
[*] da0 QEMU QEMU HARDDISK -- 40.0 GiB


TrueNAS installation
< Yes >
< No >

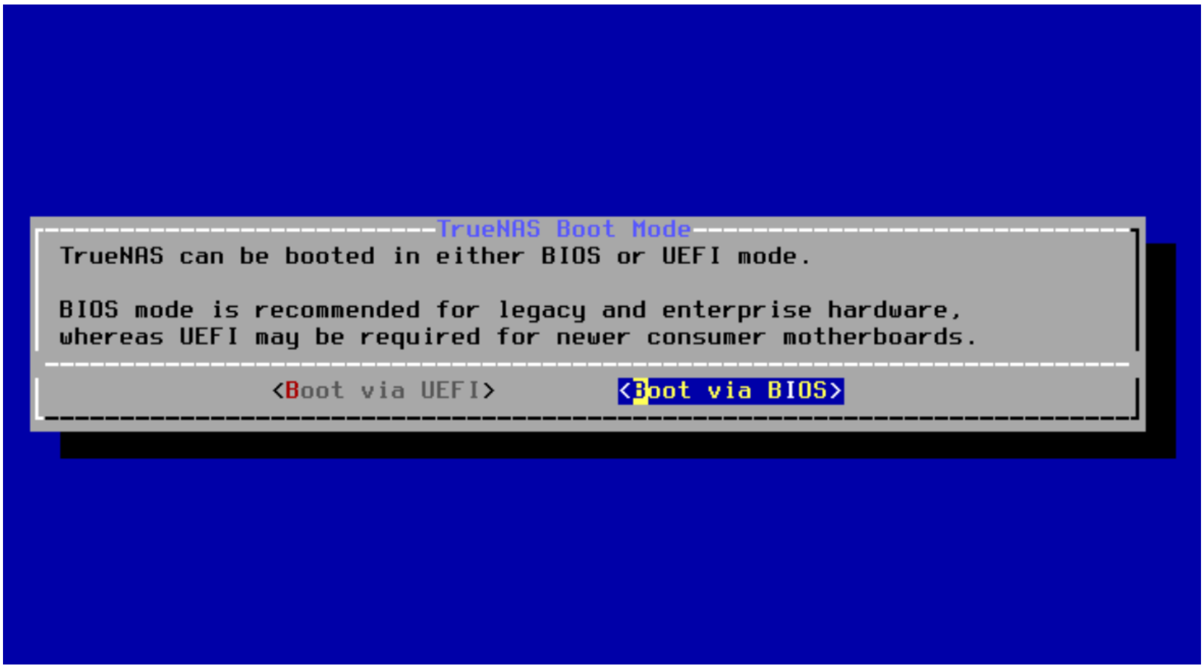
WARNING:
- This will erase ALL partitions and data on da0.
- You can't use da0 for sharing data.

NOTE:
- Installing on SATA, SAS, or NVMe flash media is recommended.
 USB flash sticks are discouraged.

Proceed with the installation?

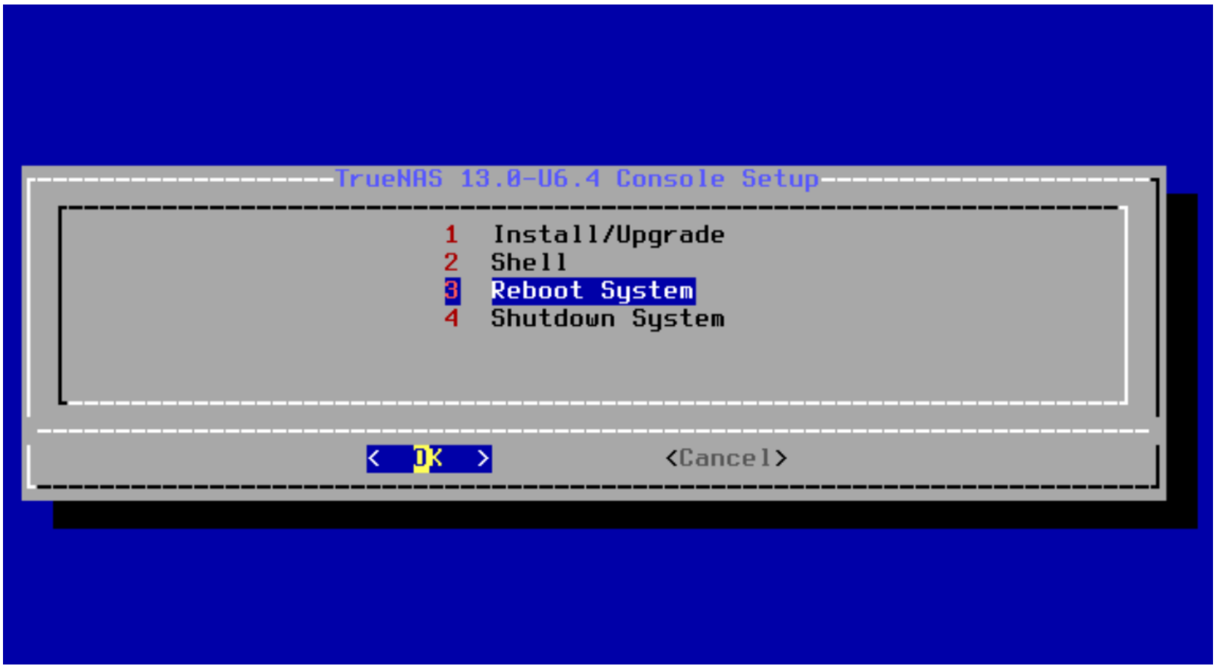

Enter your root password; cancel for no root password

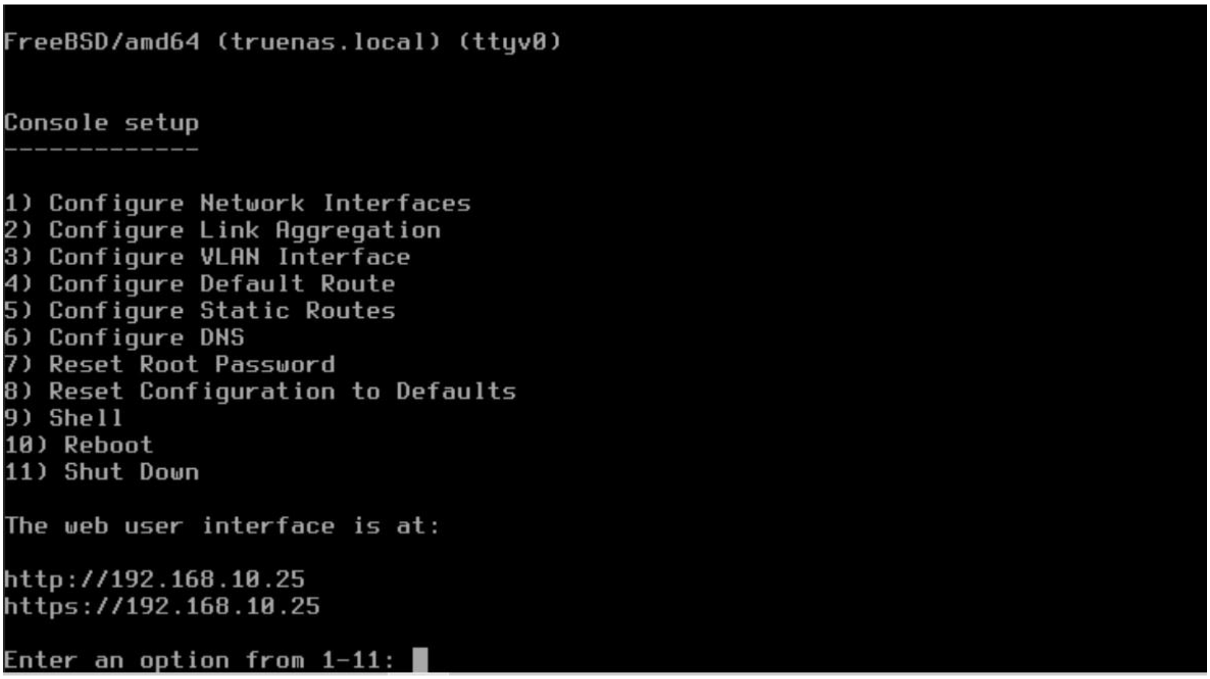
Password: ******
Confirm Password: ******



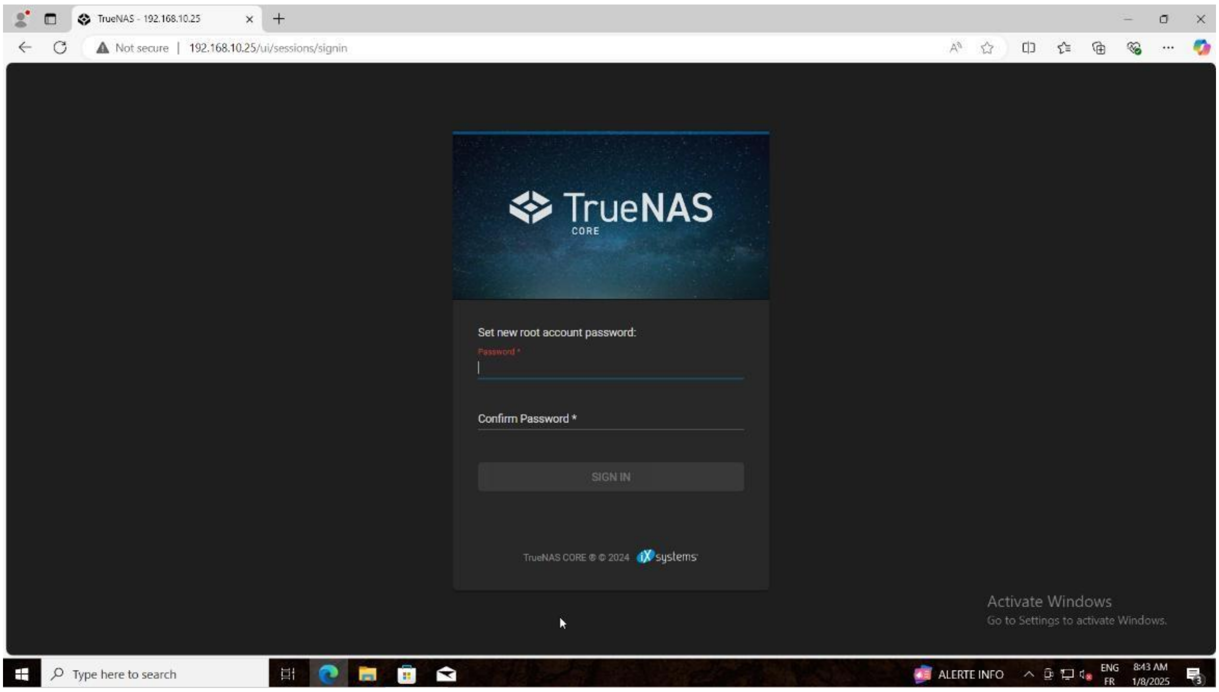
TrueNAS can be booted in either BIOS or UEFI mode.

BIOS mode is recommended for legacy and enterprise hardware, whereas UEFI may be required for newer consumer motherboards.


TrueNAS 13.0-U6.4 Console Setup
1 Install/Upgrade
2 Shell
3 Reboot System
4 Shutdown System
< OK >
<Cancel>



```
FreeBSD/amd64 (truenas.local) (ttyv0)


Console setup
-------------

1) Configure Network Interfaces
2) Configure Link Aggregation
3) Configure VLAN Interface
4) Configure Default Route
5) Configure Static Routes
6) Configure DNS
7) Reset Root Password
8) Reset Configuration to Defaults
9) Shell
10) Reboot
11) Shut Down

The web user interface is at:

http://192.168.10.25
https://192.168.10.25

Enter an option from 1-11:
```

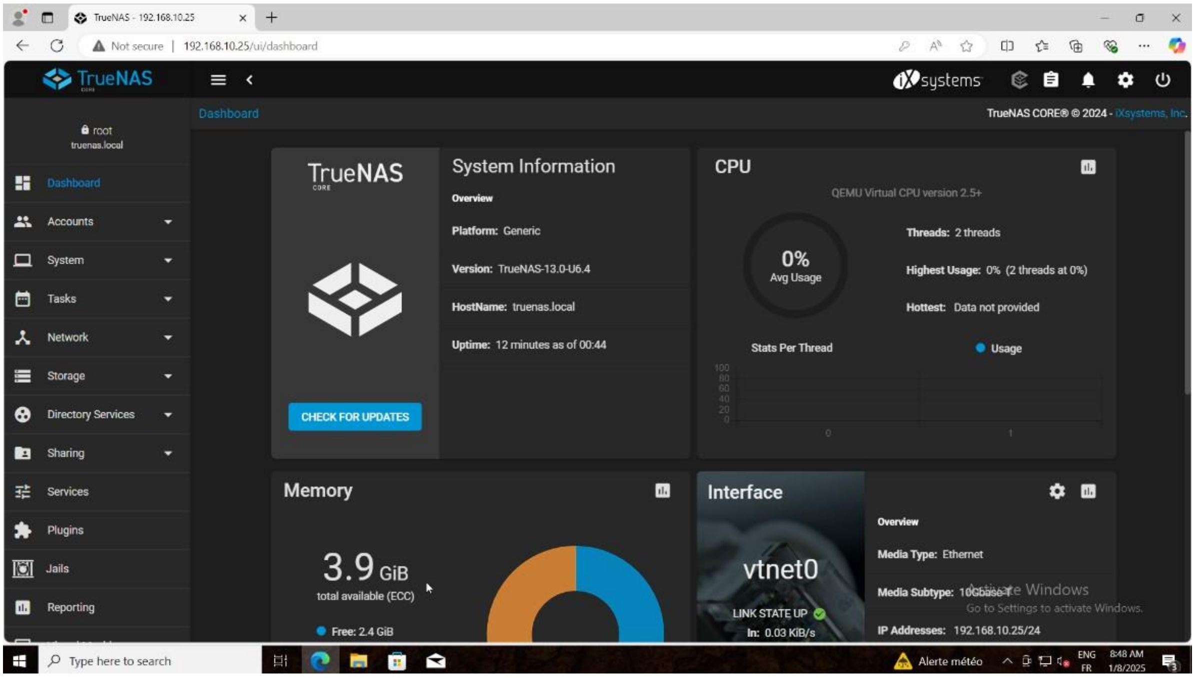


TrueNAS - 192.168.10.25
Not secure | 192.168.10.25/ui/sessions/signin
TrueNAS CORE
SIGN IN
TrueNAS CORE ® © 2024 iXsystems
Activate Windows
Go to Settings to activate Windows.
Type here to search
ALERTE INFO
ENG FR
8:43 AM 1/8/2025

Set new root account password:

Password *

Confirm Password *



TrueNAS - 192.168.10.25
Not secure | 192.168.10.25/ui/dashboard
TrueNAS
iXsystems
root
truenas.local
Dashboard
Accounts
System
Tasks
Network
Storage
Directory Services
Sharing
Services
Plugins
Jails
Reporting
Dashboard
TrueNAS CORE® © 2024 - iXsystems, Inc.
TrueNAS CORE
CHECK FOR UPDATES
100
80
60
40
20
0
0
1
Activate Windows
Go to Settings to activate Windows.
Type here to search
Alerte météo
ENG FR
8:48 AM 1/8/2025

System Information

Overview

Platform: Generic

Version: TrueNAS-13.0-U6.4

HostName: truenas.local

Uptime: 12 minutes as of 00:44

CPU

QEMU Virtual CPU version 2.5+

0% Avg Usage

Threads: 2 threads

Highest Usage: 0% (2 threads at 0%)

Hottest: Data not provided

Stats Per Thread

Usage

Memory

3.9 GiB total available (ECC)

Free: 2.4 GiB

Interface

vtnet0

LINK STATE UP

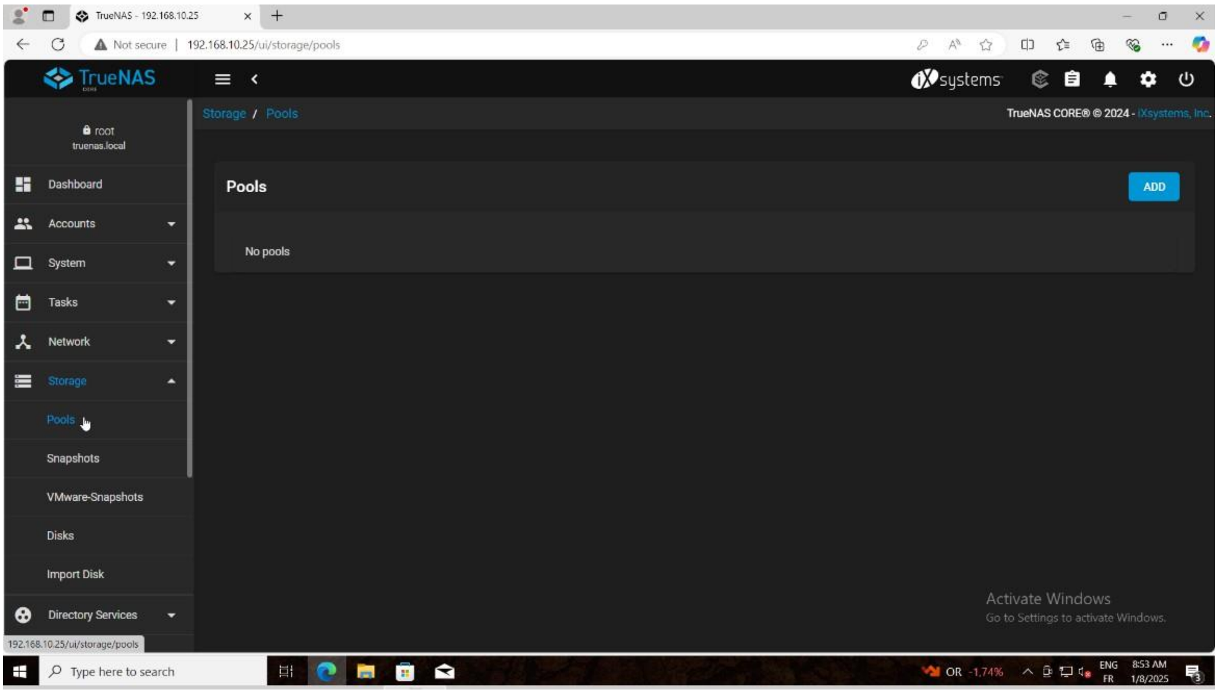
In: 0.03 KiB/s

Overview

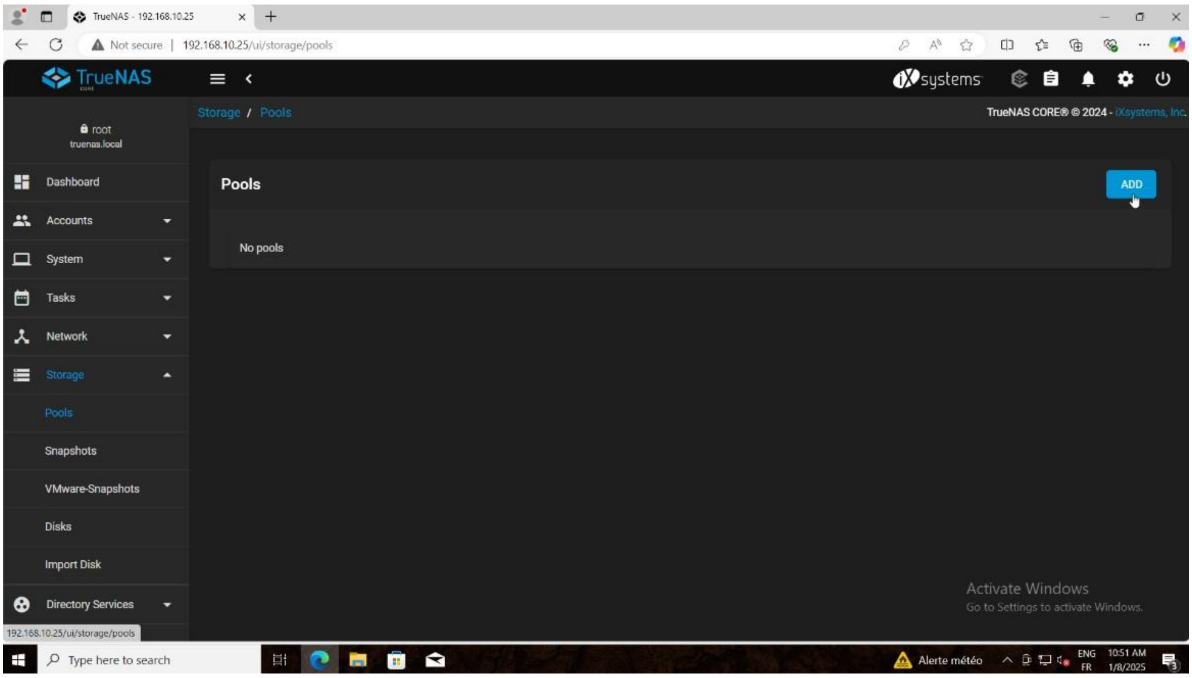
Media Type: Ethernet

Media Subtype: 10Gbase-T

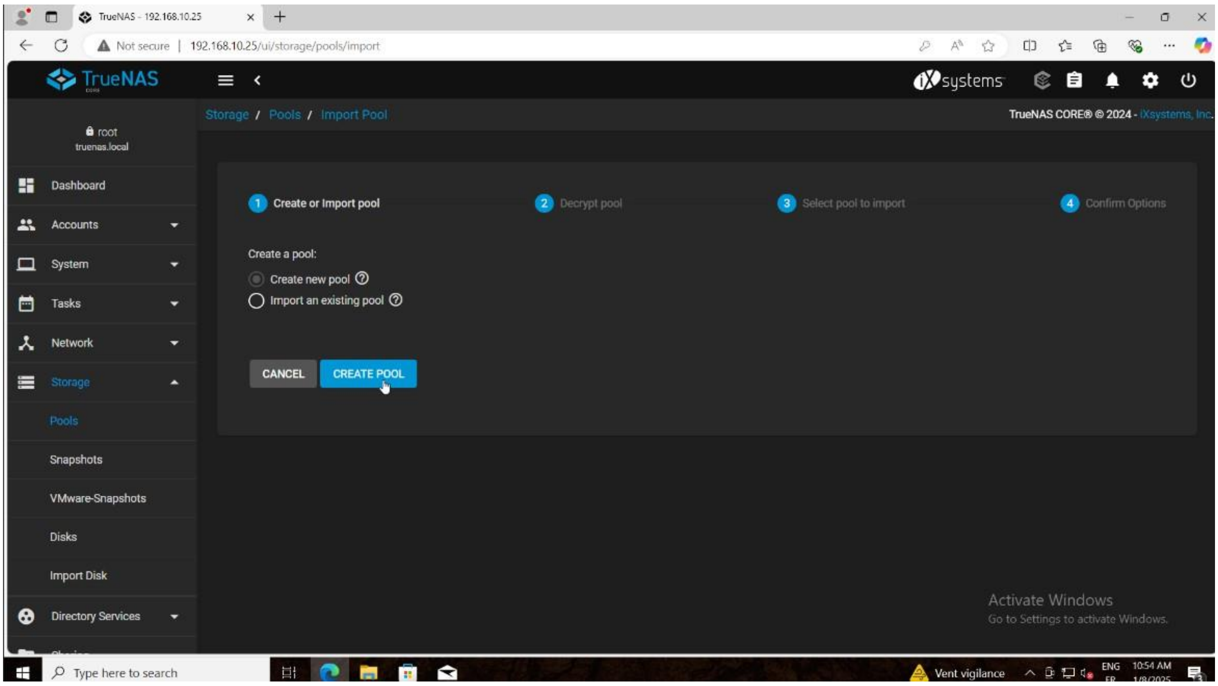
IP Addresses: 192.168.10.25/24


TrueNAS - 192.168.10.25
Not secure | 192.168.10.25/ui/storage/pools
TrueNAS
iXsystems
root
truenas.local
Storage / Pools
TrueNAS CORE® © 2024 - iXsystems, Inc.
Dashboard
Accounts
System
Tasks
Network
Storage
Pools
Snapshots
VMware-Snapshots
Disks
Import Disk
Directory Services
Pools
ADD
Activate Windows
Go to Settings to activate Windows.
192.168.10.25/ui/storage/pools
Type here to search
OR -1.74%
ENG FR
8:53 AM
1/8/2025

No pools


TrueNAS - 192.168.10.25
Not secure | 192.168.10.25/ui/storage/pools
TrueNAS
iXsystems
root
truenas.local
Storage / Pools
TrueNAS CORE® © 2024 - iXsystems, Inc.
Dashboard
Accounts
System
Tasks
Network
Storage
Pools
Snapshots
VMware-Snapshots
Disks
Import Disk
Directory Services
Pools
ADD
Activate Windows
Go to Settings to activate Windows.
192.168.10.25/ui/storage/pools
Type here to search
Alerte météo
ENG FR
10:51 AM
1/8/2025

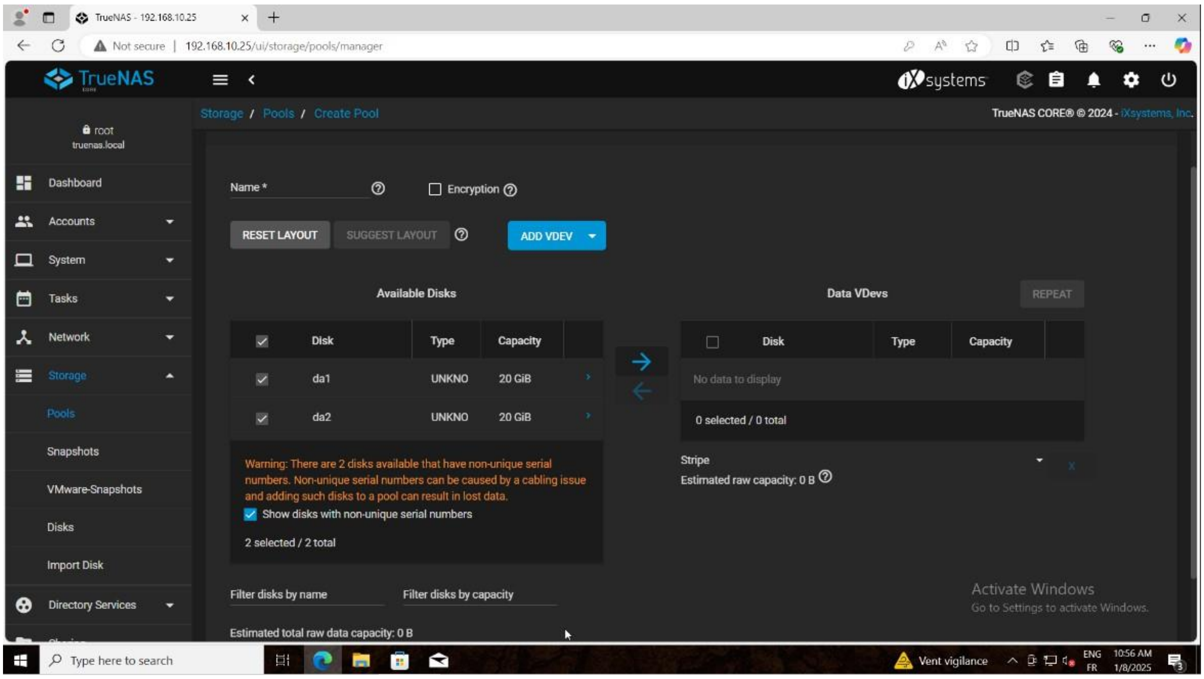
No pools


TrueNAS - 192.168.10.25
Not secure | 192.168.10.25/ui/storage/pools/import
TrueNAS
iXsystems
Storage / Pools / Import Pool
TrueNAS CORE® © 2024 - iXsystems, Inc.
root
truenas.local
Dashboard
Accounts
System
Tasks
Network
Storage
Pools
Snapshots
VMware-Snapshots
Disks
Import Disk
Directory Services
1 Create or Import pool
2 Decrypt pool
3 Select pool to import
4 Confirm Options
CANCEL
CREATE POOL
Activate Windows
Go to Settings to activate Windows.
Type here to search
Vent vigilance
ENG FR
10:54 AM
1/8/2025

Create a pool:

● Create new pool

○ Import an existing pool


TrueNAS - 192.168.10.25
Not secure | 192.168.10.25/ui/storage/pools/manager
TrueNAS
iXsystems
Storage / Pools / Create Pool
TrueNAS CORE® © 2024 - iXsystems, Inc.
root
truenas.local
Dashboard
Accounts
System
Tasks
Network
Storage
Pools
Snapshots
VMware-Snapshots
Disks
Import Disk
Directory Services
RESET LAYOUT
SUGGEST LAYOUT
ADD VDEV
REPEAT
Activate Windows
Go to Settings to activate Windows.
Type here to search
Vent vigilance
ENG FR
10:56 AM
1/8/2025

Name *

☐ Encryption

Available Disks

☑	Disk	Type	Capacity
☑	da1	UNKNO	20 GiB
☑	da2	UNKNO	20 GiB

Warning: There are 2 disks available that have non-unique serial numbers. Non-unique serial numbers can be caused by a cabling issue and adding such disks to a pool can result in lost data.

☑ Show disks with non-unique serial numbers

2 selected / 2 total

Data VDevs

☐	Disk	Type	Capacity

No data to display

0 selected / 0 total

Stripe

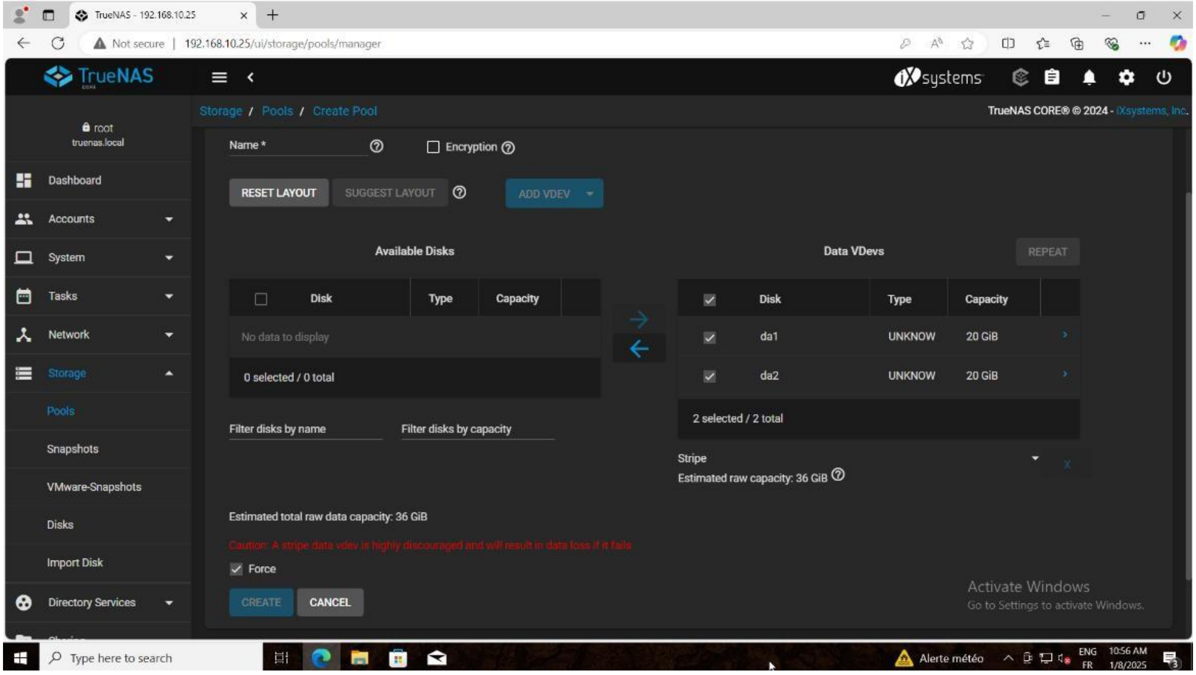
Estimated raw capacity: 0 B

Filter disks by name

Filter disks by capacity

Estimated total raw data capacity: 0 B

PassThrough


TrueNAS - 192.168.10.25
Not secure | 192.168.10.25/ui/storage/pools/manager
TrueNAS
iXsystems
root
truenas.local
Dashboard
Accounts
System
Tasks
Network
Storage
Pools
Snapshots
VMware-Snapshots
Disks
Import Disk
Directory Services
Storage / Pools / Create Pool
TrueNAS CORE® © 2024 - iXsystems, Inc.
RESET LAYOUT
SUGGEST LAYOUT
ADD VDEV
REPEAT
CREATE
CANCEL
Activate Windows
Go to Settings to activate Windows.
Type here to search
Alerte météo
ENG FR
10:56 AM
1/8/2025

Name *

☐ Encryption

Available Disks

☐	Disk	Type	Capacity
No data to display			

0 selected / 0 total

Filter disks by name

Filter disks by capacity

Data VDevs

☑	Disk	Type	Capacity
☑	da1	UNKNOW	20 GiB
☑	da2	UNKNOW	20 GiB

2 selected / 2 total

Stripe

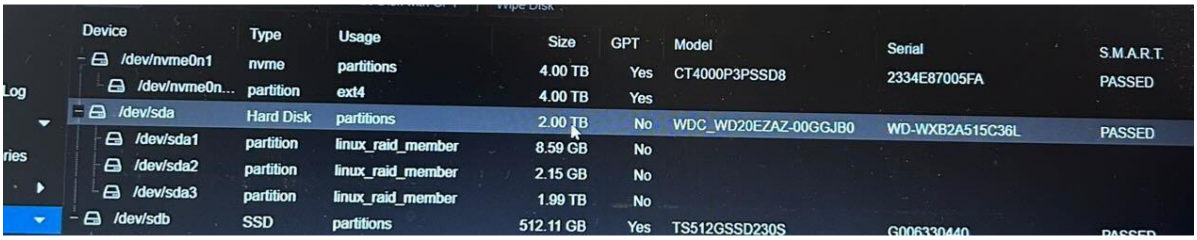
Estimated raw capacity: 36 GiB

Estimated total raw data capacity: 36 GiB

Caution: A stripe data vdev is highly discouraged and will result in data loss if it fails

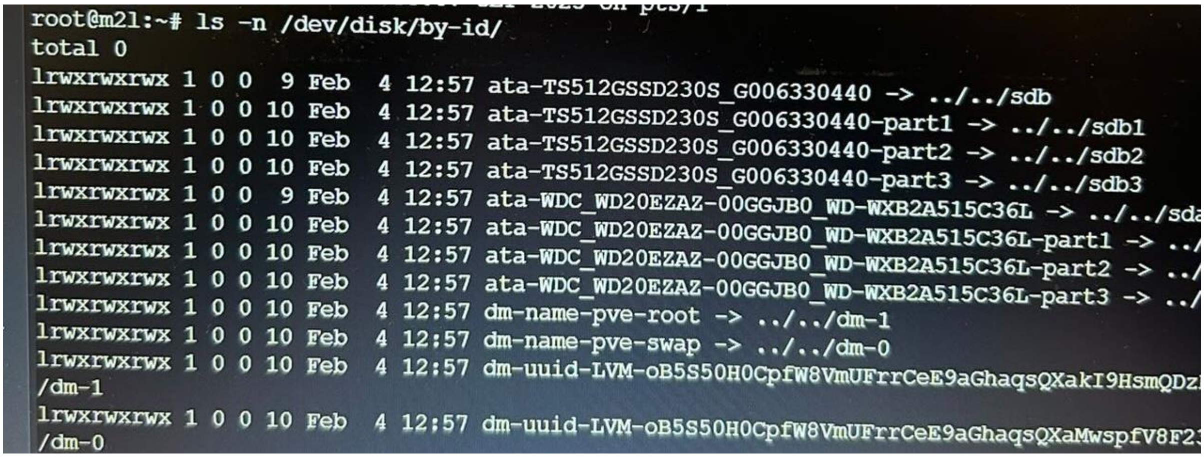
☑ Force

Il faut d’abord repérer quel est le disque qui nous intéresse


Wipe Disk
Log
ries

Device	Type	Usage	Size	GPT	Model	Serial	S.M.A.R.T.
/dev/nvme0n1	nvme	partitions	4.00 TB	Yes	CT4000P3PSSD8	2334E87005FA	PASSED
/dev/nvme0n...	partition	ext4	4.00 TB	Yes			
/dev/sda	Hard Disk	partitions	2.00 TB	No	WDC_WD20EZAZ-00GGJB0	WD-WXB2A515C36L	PASSED
/dev/sda1	partition	linux_raid_member	8.59 GB	No			
/dev/sda2	partition	linux_raid_member	2.15 GB	No			
/dev/sda3	partition	linux_raid_member	1.99 TB	No			
/dev/sdb	SSD	partitions	512.11 GB	Yes	TS512GSSD230S	G006330440	PASSED

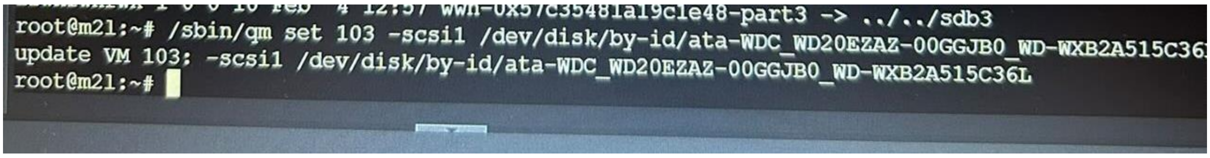
Puis nous exécutons cette commande afin de lister les disques disponibles et avoir l’ID du disque



```
root@m21:~# ls -n /dev/disk/by-id/
total 0
lrwxrwxrwx 1 0 0  9 Feb  4 12:57 ata-TS512GSSD230S_G006330440 -> ../../sdb
lrwxrwxrwx 1 0 0 10 Feb  4 12:57 ata-TS512GSSD230S_G006330440-part1 -> ../../sdb1
lrwxrwxrwx 1 0 0 10 Feb  4 12:57 ata-TS512GSSD230S_G006330440-part2 -> ../../sdb2
lrwxrwxrwx 1 0 0 10 Feb  4 12:57 ata-TS512GSSD230S_G006330440-part3 -> ../../sdb3
lrwxrwxrwx 1 0 0  9 Feb  4 12:57 ata-WDC_WD20EZAZ-00GGJB0_WD-WXB2A515C36L -> ../../sda
lrwxrwxrwx 1 0 0 10 Feb  4 12:57 ata-WDC_WD20EZAZ-00GGJB0_WD-WXB2A515C36L-part1 -> ../
lrwxrwxrwx 1 0 0 10 Feb  4 12:57 ata-WDC_WD20EZAZ-00GGJB0_WD-WXB2A515C36L-part2 -> ../
lrwxrwxrwx 1 0 0 10 Feb  4 12:57 ata-WDC_WD20EZAZ-00GGJB0_WD-WXB2A515C36L-part3 -> ../
lrwxrwxrwx 1 0 0 10 Feb  4 12:57 dm-name-pve-root -> ../../dm-1
lrwxrwxrwx 1 0 0 10 Feb  4 12:57 dm-name-pve-swap -> ../../dm-0
lrwxrwxrwx 1 0 0 10 Feb  4 12:57 dm-uuid-LVM-oB5S50H0CpfW8VmUFrrCeE9aGhaqsQXakI9HsmQDz
/dm-1
lrwxrwxrwx 1 0 0 10 Feb  4 12:57 dm-uuid-LVM-oB5S50H0CpfW8VmUFrrCeE9aGhaqsQXaMwspfV8F2
/dm-0
```

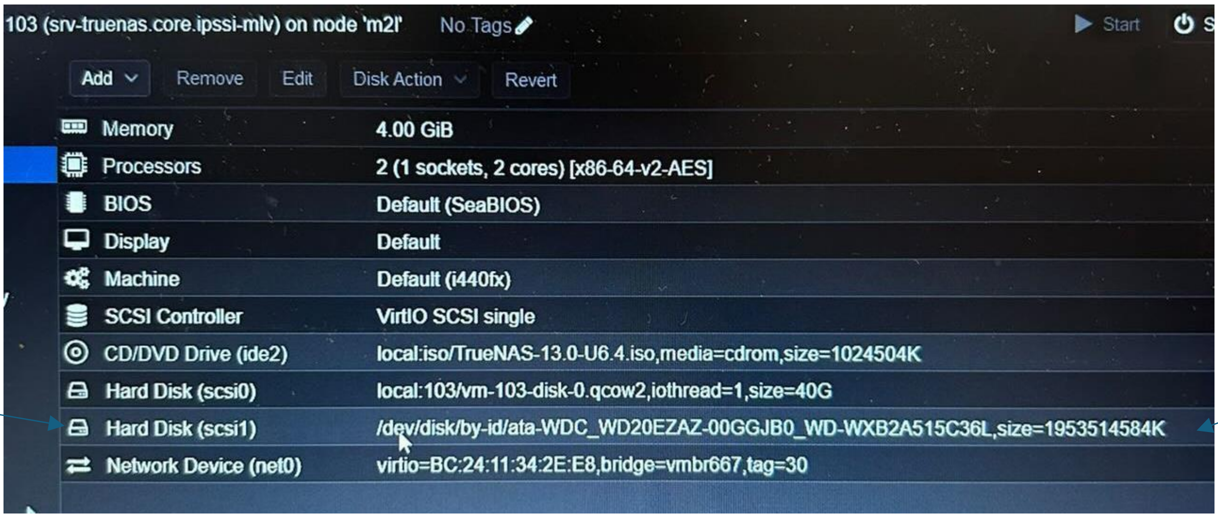
Puis nous exécutons la commande : /sbin/qm set 103 -scsi1 /dev/disk/by-id/ata- WDC_WD20EZAZ-00GGJB0_WD-WXB2A515C36L qui nous permet de lier le disque dur à notre VM.

PassThrough



```
10 Feb  4 12:57 wwn-0x57c35481a19c1e48-part3 -> ../../sdb3
root@m2l:~# /sbin/qm set 103 -scsi1 /dev/disk/by-id/ata-WDC_WD20EZAZ-00GGJB0_WD-WXB2A515C36
update VM 103: -scsi1 /dev/disk/by-id/ata-WDC_WD20EZAZ-00GGJB0_WD-WXB2A515C36L
root@m2l:~# 
```

Pass Through



103 (srv-truenas.core.ipssi-mlv) on node 'm2l'

Memory	4.00 GiB
Processors	2 (1 sockets, 2 cores) [x86-64-v2-AES]
BIOS	Default (SeaBIOS)
Display	Default
Machine	Default (i440fx)
SCSI Controller	VirtIO SCSI single
CD/DVD Drive (ide2)	local:iso/TrueNAS-13.0-U6.4.iso,media=cdrom,size=1024504K
Hard Disk (scsi0)	local:103/vm-103-disk-0.qcow2,iothread=1,size=40G
Hard Disk (scsi1)	/dev/disk/by-id/ata-WDC_WD20EZAZ-00GGJB0_WD-WXB2A515C36L,size=1953514584K
Network Device (net0)	virtio=BC:24:11:34:2E:E8,bridge=vmbr667,tag=30