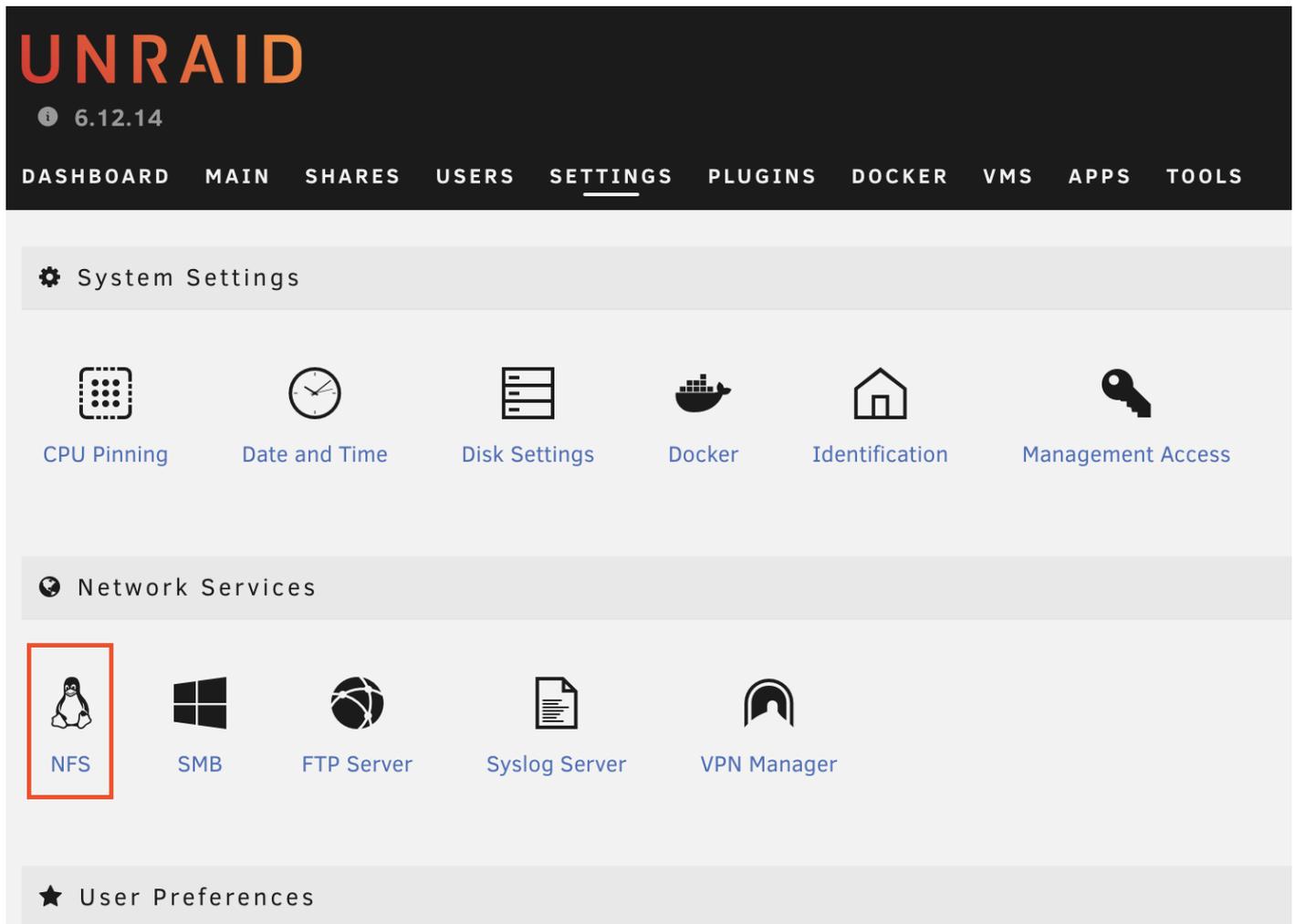


# Step by step

## On Unraid

# Enable NFS

Go to Settings > Network Services > NFS



Enable NFS

**NFS**

Enable NFS: Yes

Tunable (fuse\_remember): 330  default

I'm just going to create a share that stays on the cache where files don't get moved to the array.

**Share Settings**

Share name: pve-nfs-0

Comments:

Minimum free space: 97.7 GB

Share status: Share contains data

Exclusive access: No

Primary storage (for new files and folders): Cache

Enable Copy-on-write: Auto  Set when a

Secondary storage: None

Mover action: Not used  Mover take

Set the NFS settings. The IP address is the address of the Proxmox node. RW will allow PVE to view this share and read/write to it.

**NFS Security Settings**

Share name: pve-nfs-0

Export: Yes

Security: Private

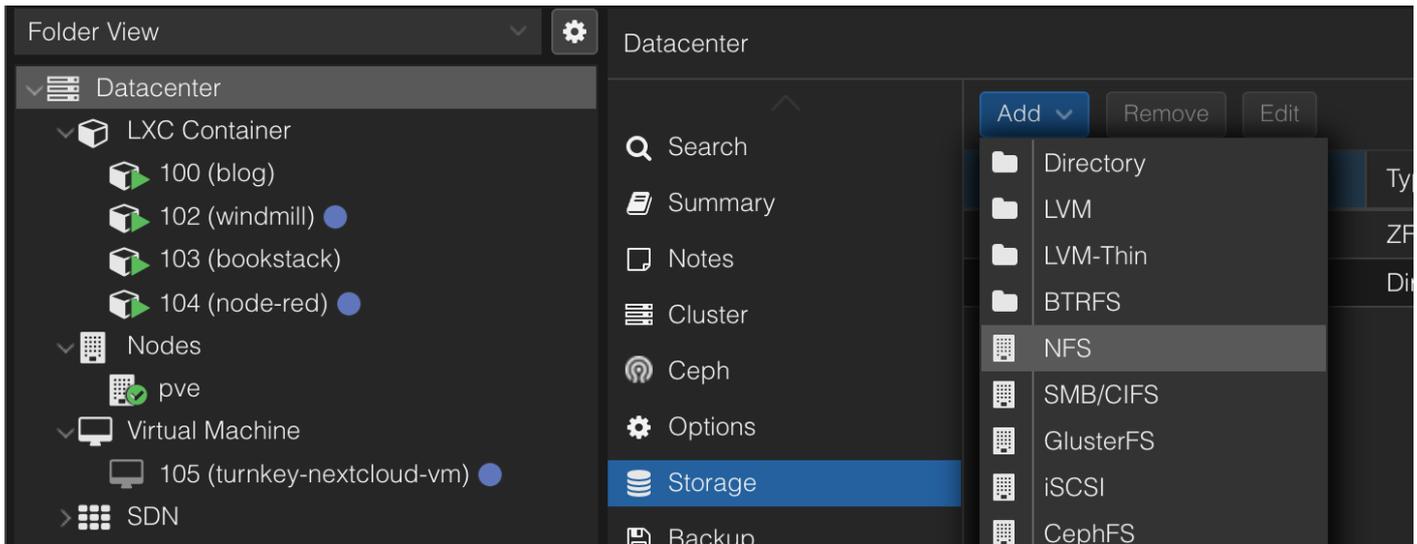
Rule: 192.168.50.123(rw,sync,no\_subtree\_check)

# On Proxmox

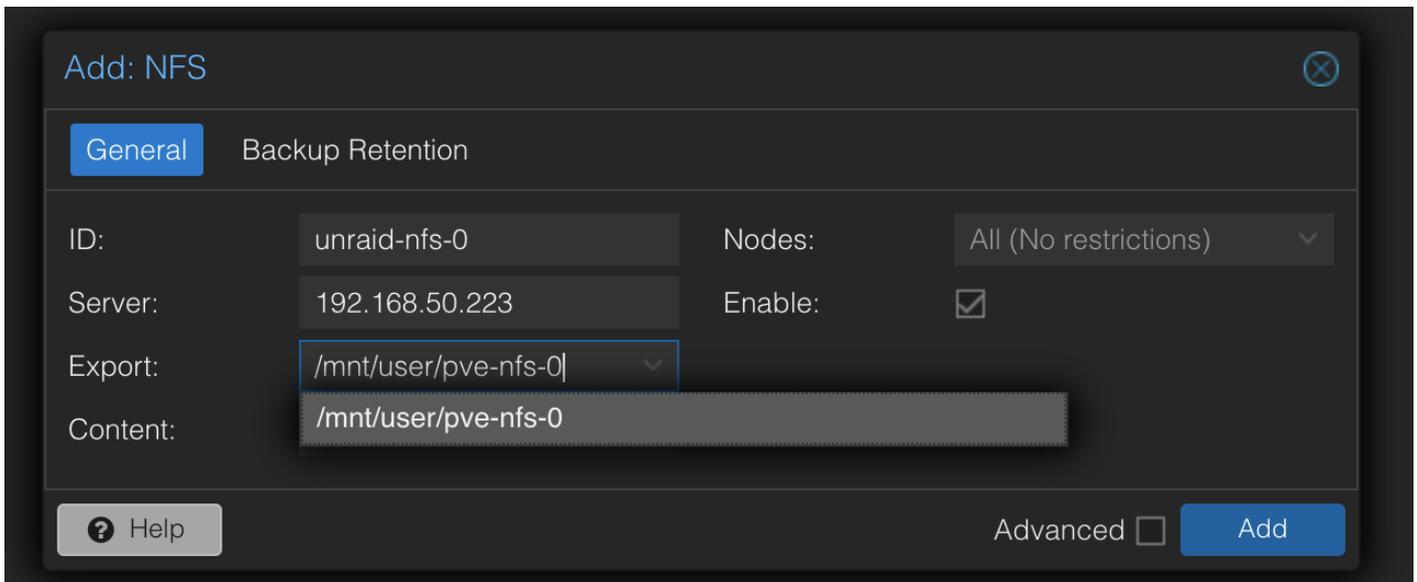
I'm going to try and run an LXC with NFS as the volume

## Configure NFS Storage

Go to Datacenter > Storage > NFS



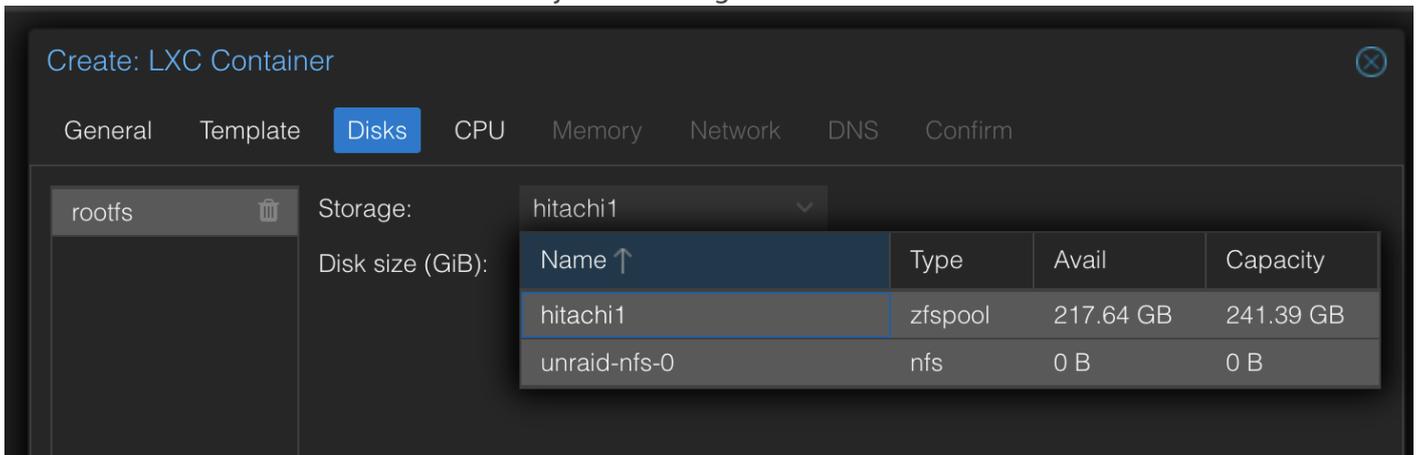
Set the ID to whatever you want. Enter the the IP of the Unraid server. After doing so, we should be able to see the path of the share we created and configured for access earlier.



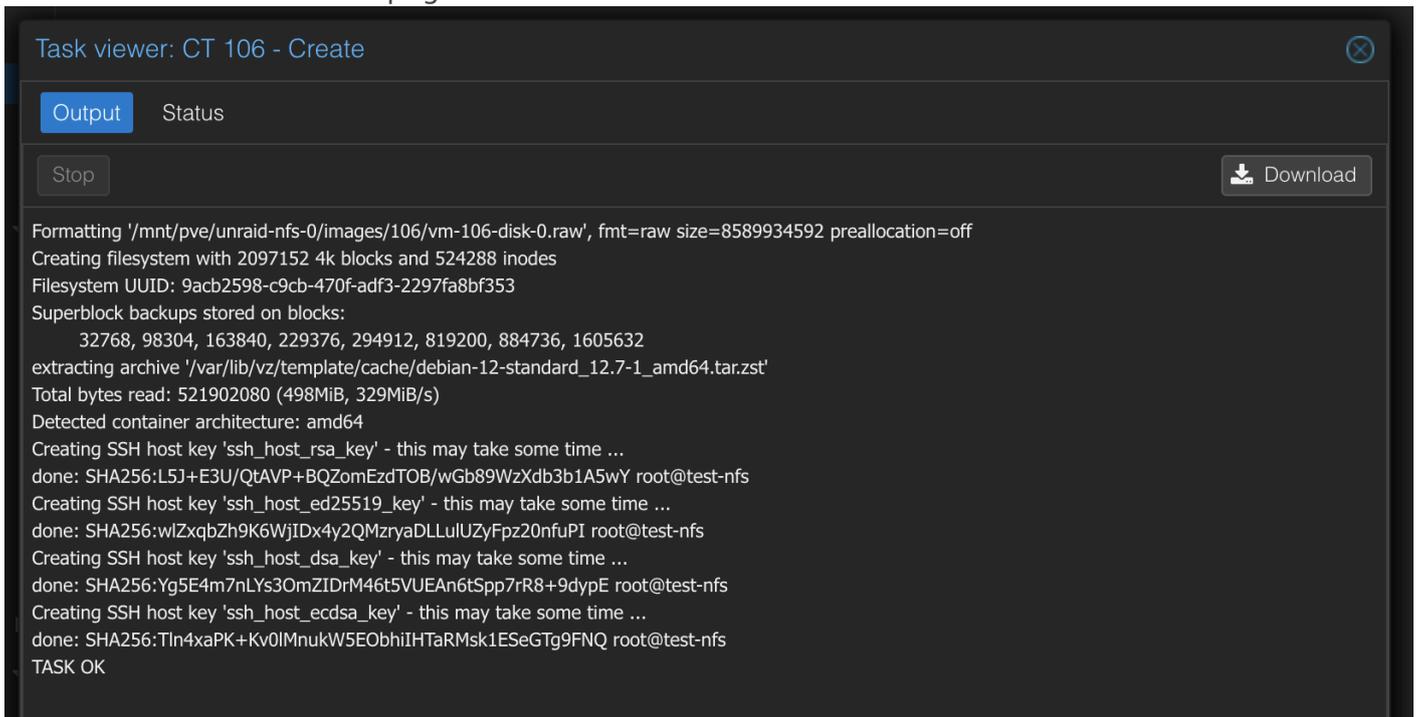
Not sure what content is for but i selected Disk Image and container.

## Creating an LXC with NFS storage

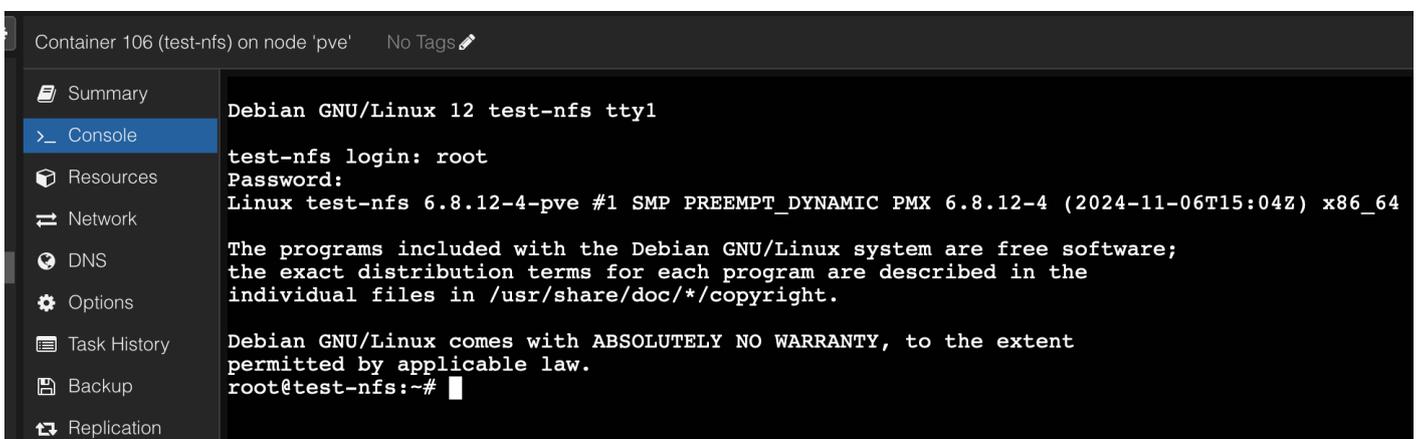
Create a standard LXC. In this case im just creating a debian LXC.



Click next for the next few pages. Then create.



Success. Test that we can run it.



On Unraid, if we check the share we can see there is a folder being created by the LXC id.



The screenshot shows a file manager interface with a breadcrumb path: home > user > pve-nfs-0 > images > 106. Below the path is a table with columns: TYPE, NAME, OWNER, PERMISSION, and SIZE. There are two entries: 'Parent Directory' (with a folder icon) and 'vm-106-disk-0.raw' (with a file icon). The 'vm-106-disk-0.raw' entry has an owner of 'UNKNOWN' and a permission of '-rw-r-----' and a size of '8.59 GB'. At the bottom of the table, it says '1 object: 0 directories, 1 file (8.59 GB total)'.

TYPE	NAME	OWNER	PERMISSION	SIZE
Parent Directory				
vm-106-disk-0.raw		UNKNOWN	-rw-r-----	8.59 GB

## Reference:

- <https://docs.unraid.net/unraid-os/manual/shares/network-access/>
- <https://docs.unraid.net/legacy/FAQ/cache-disk/>
- [https://bluexp.netapp.com/blog/azure-anf-blg-linux-nfs-server-how-to-set-up-server-and-client#H\\_H5](https://bluexp.netapp.com/blog/azure-anf-blg-linux-nfs-server-how-to-set-up-server-and-client#H_H5)
- <https://www.tecmint.com/install-nfs-server-on-ubuntu/>

---

Revision #5

Created 29 December 2024 04:11:41 by Furqaan

Updated 29 December 2024 17:11:06 by Furqaan