

FAQ

Is it possible to use this system on another ubuntu hardware?

-Yes, but maybe FreeNas is a better option then.

How to delete snapshots:

Storage Pools

Name	Health	Size	Allocated	Free	Fragmentation	Usage
tank	ONLINE	111 GiB	14.18 MiB	110.99 GiB	0 %	

File Systems | **Snapshots** | Status

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Name	Created	Used	Referenced	Clones
tank (58)				
tank/share (59)				
tank/share@zfs-auto-snap_daily-2020-06-18-0625	18.6.2020, 8:25:02 AM	72 KiB	1.49 MiB	
tank/share@zfs-auto-snap_frequent-2020-07-01-1600	17.2020, 6:00:02 PM	72 KiB	1.49 MiB	tank/share/klon2
tank/share@zfs-auto-snap_daily-2020-07-03-0625	3.7.2020, 8:25:02 AM	64 KiB	1.49 MiB	
tank/share@zfs-auto-snap_daily-2020-07-04-0625	4.7.2020, 8:25:02 AM	56 KiB	1.49 MiB	
tank/share@zfs-auto-snap_hourly-2020-07-04-0817	4.7.2020, 10:17:01 AM	0 B	1.49 MiB	

- Clone Snapshot
- Rename Snapshot
- Roll Back Snapshot
- Destroy Snapshot

How to delete all snapshots:

(Terminal)

- `#zfs list -t snapshot | awk '{printf „zfs destroy %s\n“, $1}' > snapshot_delete.sh`
- `#sh snapshot_delete.sh`

Maintenance:

Checking system health:

Storage Pools

Name	Health	Size	Allocated	Free	Fragmentation	Usage
tank	ONLINE	111 GiB	14.18 MiB	110.99 GiB	0 %	

File Systems | **Snapshots** | Status

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Name	Created	Used	Referenced	Clones
tank (58)				
tank/share (59)				
tank/share@zfs-auto-snap_daily-2020-06-18-0625	18.6.2020, 8:25:02 AM	72 KiB	1.49 MiB	
tank/share@zfs-auto-snap_frequent-2020-07-01-1600	17.2020, 6:00:02 PM	72 KiB	1.49 MiB	tank/share/klon2
tank/share@zfs-auto-snap_daily-2020-07-03-0625	3.7.2020, 8:25:02 AM	64 KiB	1.49 MiB	
tank/share@zfs-auto-snap_daily-2020-07-04-0625	4.7.2020, 8:25:02 AM	56 KiB	1.49 MiB	
tank/share@zfs-auto-snap_hourly-2020-07-04-0817	4.7.2020, 10:17:01 AM	0 B	1.49 MiB	

- Clone Snapshot
- Rename Snapshot
- Roll Back Snapshot
- Destroy Snapshot

(Terminal):

- zpool status
Everything should be green and ONLINE

(By funky Hardware)

The NasBeery installer supports a 5V device on pin 8 (BCM 14) and pin6 (ground).

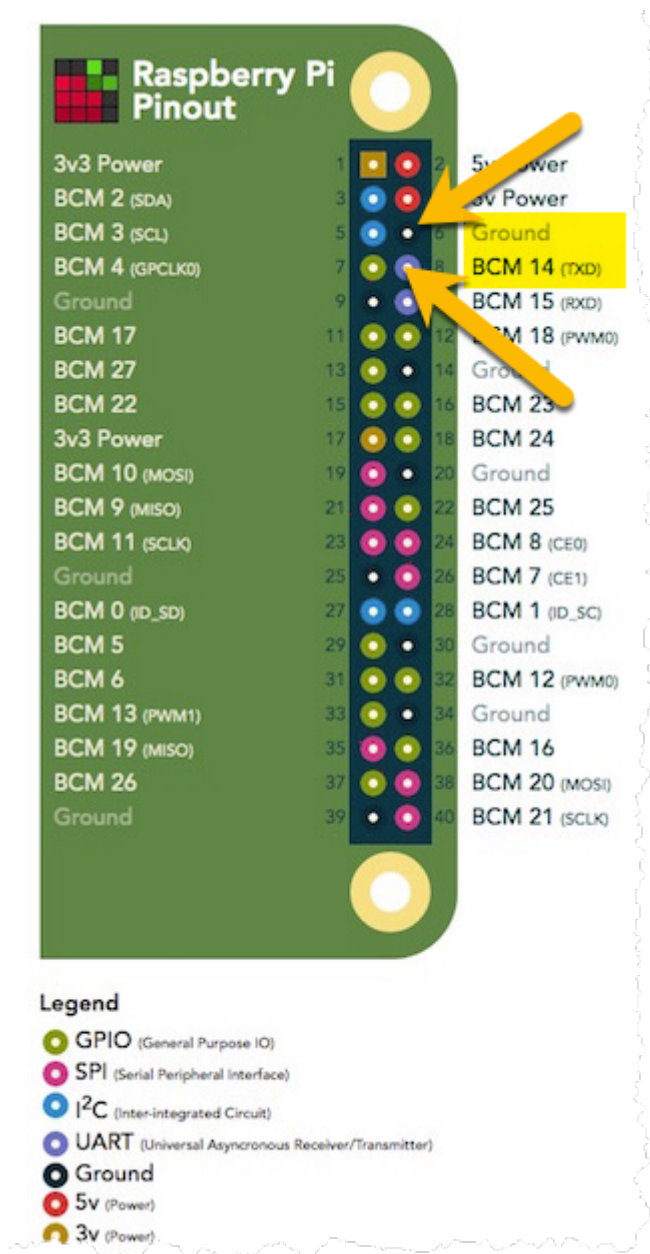
What we tested so far:

Buzzer LED and Wires

Just connect the actor to the pins beyond (LED short link to ground).

While booting up the system you will hear a loud sound or see the LED light.

After less than a minute the actor should stop buzzing or the LED turned dark. Then your „only“ tank is in healthy condition.



Checking the free space:

<div>nasbeery</div> <div>Search</div> <div>Überblick</div> <div>Protokolle</div> <div>Speicher</div> <div>ZFS</div> <div>Netzwerk</div>	Storage Pools							Create Storage Pool	Import Storage
	Name	Health	Size	Allocated	Free	Fragmentation	Usage		
	> tank	ONLINE	111 GiB	14.25 MiB	110.99 GiB	0 %			
	> temp	ONLINE	1.81 TiB	52.16 GiB	1.76 TiB	0 %			

Terminal:
#zpool list

```
ubuntu@nasbeery: ~
```

```
ubuntu@nasbeery:~$ zpool list
```

NAME	SIZE	ALLOC	FREE	CKPOINT	EXPANDSZ	FRAG	CAP	DEDUP	HEALTH	ALTROOT
tank	111G	14.4M	111G	-	-	0%	0%	1.00x	ONLINE	-
temp	1.81T	52.2G	1.76T	-	-	0%	2%	1.00x	ONLINE	-

```
ubuntu@nasbeery:~$
```

There should always be more than 20% free space (cap below 80%) or your system will slow down, at 90% you almost can't work anymore until you delete files and destroy snapshots.

Where are the snapshots stored? / Can I put snapshots to another drive?

You are starting without any snapshots.

Anytime you create a snapshot a vectorchain is creating another point.

So your current live state is the chain of many vectors.

The vectors can start anywhere and you always can remove vectorpoints.

The gap then will be closed by the previous vector.

Example:

Mo>Tu>We>Th>Fr

now we zfs destroy the we snapshot

Mo>Tu>Th>Fr

now we zfs destroy the monday snapshot

Tu>We>Th>Fr

and the a saturday snapshot will be created

Tu>We>Th>Fr>Sa

Your current state is always at the end and you can always access any snapshot state without any effort!