

2. Installation

Source: [PBS on Truenas by Lawrence Systems](#)

Alright! So you have chosen to install PBS on top of a TrueNAS Scale bare metal instance. Well we don't need to go through installing TrueNAS scale since you have already done that here **Installing TrueNAS Scale**. Okay so you have your TrueNAS scale up and running then this will be the steps

Creating a generic dataset for your PBS container

1. Log in to your **TrueNAS Web UI**.
2. Navigate to **Datasets** on the left sidebar.
3. Select the parent dataset or pool where you want the backups to live.
4. Click **Add Dataset** (top right).
5. **Name:** `pbs-storage` (or your preferred name).
6. **Dataset Preset:** Select **Generic**.
7. Click **Save**.

In TrueNAS Create the Subdirectory and Set ACLs

Working in a subdirectory prevents PBS from conflicting with any special folders and let's set and limit user permission. We will perform this in the **TrueNAS Shell**.

1. Go to **System Settings** → **Shell** or use SSH
2. If using the web shell use `sudo` if you are not `root` user
3. Go into the new dataset `cd /mnt/tank/pbs-storage/`
4. **Create the directory:** `mkdir datastore1`
5. **Set Backup Owner For Container** `chown -R 2147000035:2147000035 datastore1`
6. **Apply the Access ACL & Default ACL (Inheritance):** `setfacl -m u:2147000035:rwX,d:u:2147000035:rwX datastore1`

Where do the permissions come from ?

In TrueNAS 25, the default mapping for unprivileged containers starts at **2147000001**.

- **Base ID:** 2147000001 (This is the "Start" of the container's world).
- **Root (0) inside the container:** $2147000001 + 0 = 2147000001$ on the Host.
- **Backup (34) inside the container:** $2147000001 + 34 = 2147000035$ on the Host.
- **Standard User (1000) inside the container:** $2147000001 + 1000 = 2147010001$ on the Host.

If you are...	ID in the Container	ID on the TrueNAS Host
Root User	0	2147000001
PBS Backup User	34	2147000035
Standard User	1000	2147010001

Truenas VM with virtual drives

If you want to go the virtual drive route then there is one little tweak that you need to make for TrueNas VM to recognize different drives.

1. Go your backup PVE's shell and nano into **/etc/pve/qemu-server/VM-ID.conf**
2. In here you want to add serial numbers to the disks that you added to the VM
3. This does not need to be complicated, they just need to be different for each drive. For instance you could use serial=DRIVE00X for each drive and changing X for each added drive. For instance with two drives it looks like this

```
scsi0: local-zfs:vm-1002-disk-0,discard=on,iothread=1,size=12G,ssd=1,serial=DISK001
scsi1: tank:vm-1002-disk-1,discard=on,iothread=1,size=2000G,ssd=1,serial=DISK002
```