

2. PVE Backup Jobs

On this page we will describe how you can create a backup job on your PVE machine. It is assumed that you have already set up your PBS system and connected your PBS system to your PVE machine as well. With that out of the way we create a backup job to your PBS in the following way

1. From your Dashboard go to > Datacenter > Backup > +Add
2. Then you will be presented with the following screen

Create: Backup Job

General

Notifications

Retention

Note Template

Advanced

Node:

-- All --

Compression:

ZSTD (fast and good)

Storage:

pbs

Mode:

Snapshot

Schedule:

02:00

Enable:

☒

Selection mode:

Include selected VMs

Job Comment:

Guests to Include

Search: Name, VMID, Type

☒	ID ↑	Node	Status	Name	Type
☒	1000	pve1	running	truenas	Virtual Machine
☒	1001	pve1	running	nextcloud	Virtual Machine
☒	1002	pve1	running	dockervm	Virtual Machine
☒	1003	pve1	running	ente	Virtual Machine
☒	1004	pve1	stopped	arr	Virtual Machine
☒	4001	pve1	running	dnetherlands	Virtual Machine
☒	4002	pve1	running	dgroningen	Virtual Machine
☒	4003	pve1	running	deternet	Virtual Machine

Selected (11)

☐ Review

Help

Create

3. Now make sure you select for Storage: PBS and not your local storage

4. Then set a schedule i.e how often you want the backup job to run. So what to choose ? Well I like to make sure that my backups are taken before the **Update schedule** has run for all my containers in Dockhand. In my situation I have Dockhand checking for updates every day at 03:00 and also update them automatically if it is available. This comes with some risk because automatic updates could break things. Therefore I like to take my backups one hour before. In this situation if I wake up and all is to hell then I can just rewind to the latest backup that was taken at 02:00. So depending on your Update schedule I would recommend to schedule it 1 hour before the update

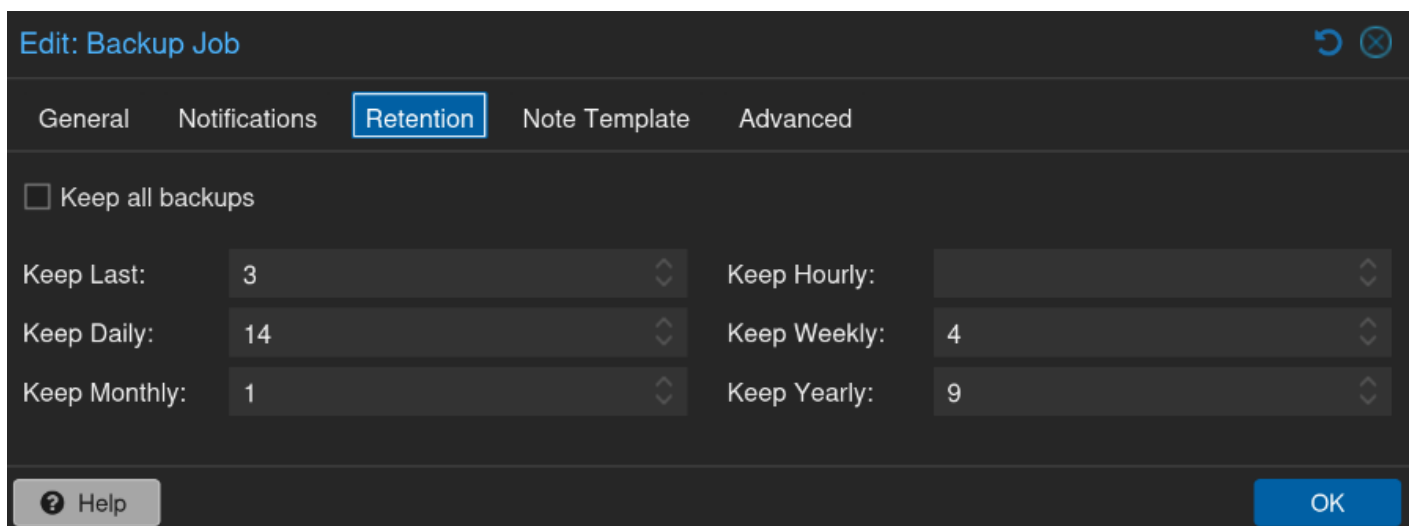
schedule ;)

5. Perfect, now we need to look at retention. That is how long will different backups be kept before they are garbage collected. From there Wiki you have the following options

For this example, we assume that you are doing daily backups, have a retention period of 10 years, and the period between backups stored gradually grows.

- `keep-last=3` - even if only daily backups are taken, an admin may want to create an extra one just before or after a big upgrade. Setting `keep-last` ensures this.
- `keep-hourly` is not set - for daily backups this is not relevant. You cover extra manual backups already, with `keep-last`.
- `keep-daily=13` - together with `keep-last`, which covers at least one day, this ensures that you have at least two weeks of backups.
- `keep-weekly=8` - ensures that you have at least two full months of weekly backups.
- `keep-monthly=11` - together with the previous keep settings, this ensures that you have at least a year of monthly backups.
- `keep-yearly=9` - this is for the long term archive. As you covered the current year with the previous options, you would set this to nine for the remaining ones, giving you a total of at least 10 years of coverage.
- We recommend that you use a higher retention period than is minimally required by your environment; you can always reduce it if you find it is unnecessarily high, but you cannot recreate backups once they have been removed.

6. So in my personal case it looks like this



The screenshot shows a dark-themed window titled "Edit: Backup Job" with a blue header bar containing a refresh icon and a close icon. Below the header is a tabbed interface with five tabs: "General", "Notifications", "Retention" (which is selected and highlighted in blue), "Note Template", and "Advanced". Under the "Retention" tab, there is a checkbox labeled "Keep all backups" which is currently unchecked. Below this, there are two columns of settings, each with a label and a dropdown menu. The left column contains: "Keep Last:" with a value of 3, "Keep Daily:" with a value of 14, and "Keep Monthly:" with a value of 1. The right column contains: "Keep Hourly:" (empty), "Keep Weekly:" with a value of 4, and "Keep Yearly:" with a value of 9. At the bottom of the window, there is a "Help" button with a question mark icon on the left and an "OK" button on the right.

Label	Value
Keep Last:	3
Keep Daily:	14
Keep Monthly:	1
Keep Hourly:	
Keep Weekly:	4
Keep Yearly:	9

7. Perfect then hit OK and create the backup job!!!!

8. Now,

Revision #4

Created 2026-07-14 11:24:23 UTC by dpasn

Updated 2026-07-14 13:52:32 UTC by dpasn