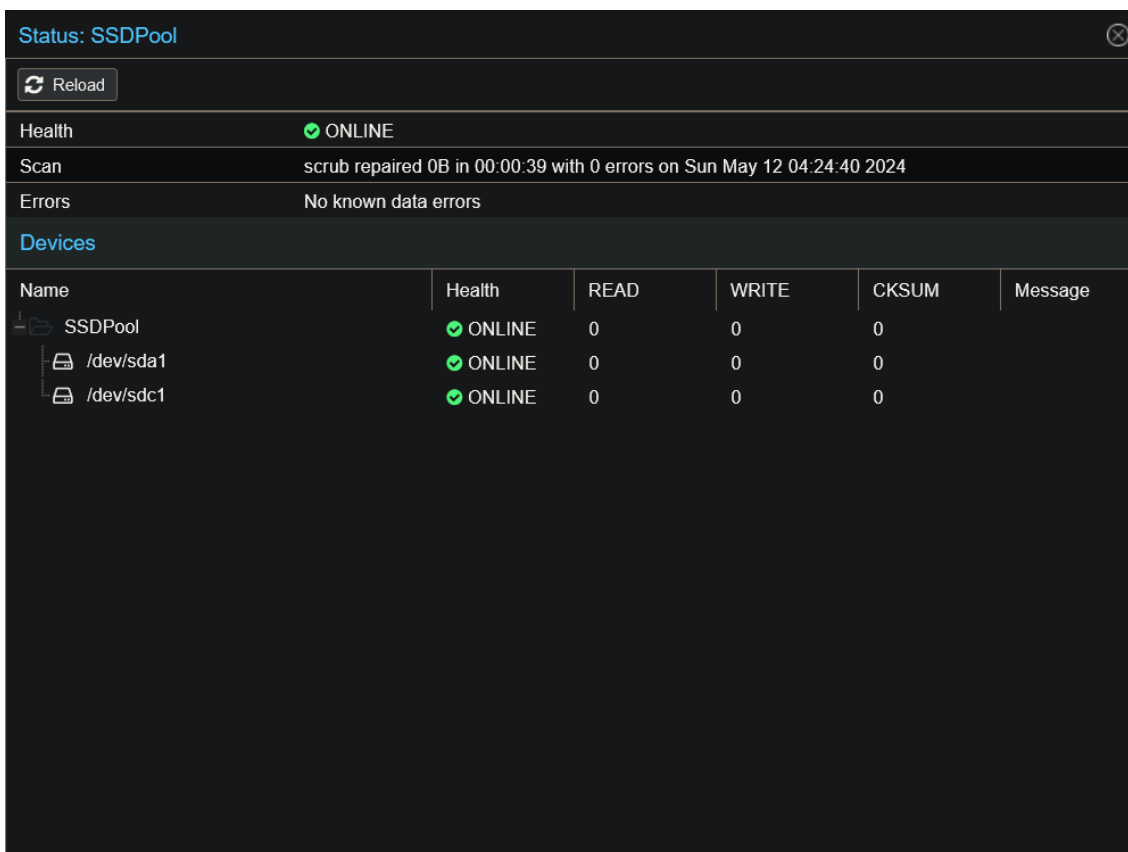


Backing up Proxmox VMs if you have a storage pool already

I have a storage pool made from 2 500GB SSDs in Proxmox.
I have it made in ZFS.



The screenshot shows the Proxmox storage pool status for 'SSDPool'. The health is 'ONLINE'. A scan was performed on Sun May 12 04:24:40 2024, scrubbing 0B with 0 errors. There are no known data errors. The devices table shows the pool and its constituent disks, all in an 'ONLINE' state with 0 reads and writes.

Name	Health	READ	WRITE	CKSUM	Message
SSDPool	ONLINE	0	0	0	
/dev/sda1	ONLINE	0	0	0	
/dev/sdc1	ONLINE	0	0	0	

Enter the Proxmox shell:

```
apt-update
```

Then: **Replace the SSDPool with the name of your pool**

My pool is in ZFS so I can make the folder a different way than mkdir:

```
zfs create SSDPool/backups
```

Go to Datacenter > Backup > Add

Add: Directory

General | Backup Retention

ID: Nodes:

Directory: Enable:

Content: Shared:

Preallocation:

Advanced

It should now be in your list of storage in Proxmox:

PROXMOX Virtual Environment 8.1.3

Server View | Datacenter

Storage Objects:

ID	Type	Content ↑	Path/Target	S...	E...	Bandwidt...
SSD_Bac...	Directory	VZDump backup ...	/SSDPool...	No	Yes	
local	Directory	VZDump backup ...	/var/lib/vz	No	Yes	
SSDPool	ZFS	Disk image, Cont...		No	Yes	
local-lvm	LVM-T...	Disk image, Cont...		No	Yes	

Now move on to creating the backup job.

Go to Datacenter > Backup > Add Job

Storage: Select your storage you made

Schedule: Mine is everyday at 21:00

Selection Mode: Include Selected VM's

I have this backing up BOOKSTACK and WIN-SRV-22:

Edit: Backup Job ✕

General | Retention | Note Template

Node: proxmox ✕ | Notification mode: Default (Auto) ▼

Storage: SSD_Backups_Dir ▼ | Send email: Always ▼

Schedule: 21:00 ▼ | Send email to:

Selection mode: Include selected VMs ▼ | Compression: ZSTD (fast and good) ▼

Mode: Snapshot ▼

Enable:

Job Comment: Backing up WIN-SRV-22 and BOOKSTACK

<input type="checkbox"/>	ID ↑	Node	Status	Name	Type
<input checked="" type="checkbox"/>	100	proxmox	running	WIN-SRV-22	Virtual Machine
<input type="checkbox"/>	101	proxmox	stopped	DOCKER-UBUNTU	Virtual Machine
<input checked="" type="checkbox"/>	102	proxmox	running	BOOKSTACK	Virtual Machine
<input type="checkbox"/>	103	proxmox	stopped	Netboot	Virtual Machine

Repeat missed:

? Help Advanced OK Reset

Hit OK.

Run the backup now to test:

Datacenter ? Help

+ Add - Remove E Edit J Job Detail R **Run now** i Show: Guests Without Backup Job S Schedule Simulator

Enabled	Node	Schedule	Next Run	Storage	Comment	Retention ↑
<input checked="" type="checkbox"/>	proxmox	21:00	2024-06-06 21:00:00	SSD_Back...	Backing up WIN-SRV-22 and BOOKSTACK	Fallback from stora

- Search
- Summary
- Notes
- Cluster
 - Ceph
- Options
- Storage
- Backup**
- Replication
- Permissions
 - Users
 - API Tokens
 - Two Factor
 - Groups
 - Pools
 - Roles
 - Roles

You will be able to see it in the Task Lists of Proxmox and Double Clicking will show you the current operations:

Proxmox Virtual Environment 8.1.3

Server View | Datacenter

Search

Documentation | Create VM | Create CT | root@pam

Tasks | Cluster log

Enabled	Node	Schedule	Next Run	Storage	Comment	Retention ↑
✓	proxmox	21.00	2024-06-06 21:00:00	SSD_Back...	Backing up WIN-SRV-22 and BOOKSTACK	Fallback from stora

Start Time ↓	End Time	Node	User name	Description	Status
Jun 06 12:19:41		proxmox	root@pam	Backup Job	
Jun 06 11:57:30	Jun 06 12:07:40	proxmox	root@pam	Shell	OK
Jun 06 11:51:05	Jun 06 11:53:45	proxmox	root@pam	Shell	OK
Jun 06 10:37:14	Jun 06 10:37:25	proxmox	root@pam	VM/CT 102 - Console	OK

Double Click it:

Task viewer: Backup Job

Output | Status

Stop | Download

```

INFO: include disk 'tpmstate0' 'local-lvm:vm-100-disk-2' 4M
INFO: backup mode: snapshot
INFO: ionice priority: 7
INFO: creating v2dump archive '/SSDPool/backups/dump/v2dump-qemu-100-2024_06_06-12_19_41.vma.zst'
INFO: attaching TPM drive to QEMU for backup
INFO: started backup task 'c41f3e18-cdf6-4f73-a0d5-b8bd8cd48085'
INFO: resuming VM again
INFO: 0% (560.3 MiB of 80.0 GiB) in 3s, read: 186.8 MiB/s, write: 148.1 MiB/s
INFO: 1% (1.1 GiB of 80.0 GiB) in 6s, read: 180.4 MiB/s, write: 178.1 MiB/s
INFO: 2% (1.7 GiB of 80.0 GiB) in 10s, read: 163.8 MiB/s, write: 161.5 MiB/s
INFO: 3% (2.4 GiB of 80.0 GiB) in 15s, read: 150.4 MiB/s, write: 150.1 MiB/s
INFO: 4% (3.3 GiB of 80.0 GiB) in 21s, read: 147.6 MiB/s, write: 146.3 MiB/s
INFO: 5% (4.0 GiB of 80.0 GiB) in 25s, read: 176.4 MiB/s, write: 175.1 MiB/s
INFO: 6% (5.0 GiB of 80.0 GiB) in 31s, read: 165.3 MiB/s, write: 165.0 MiB/s
INFO: 7% (5.7 GiB of 80.0 GiB) in 36s, read: 156.1 MiB/s, write: 154.5 MiB/s
INFO: 8% (6.5 GiB of 80.0 GiB) in 41s, read: 154.3 MiB/s, write: 152.3 MiB/s
INFO: 9% (7.3 GiB of 80.0 GiB) in 46s, read: 159.6 MiB/s, write: 157.8 MiB/s
INFO: 10% (8.1 GiB of 80.0 GiB) in 51s, read: 163.4 MiB/s, write: 161.8 MiB/s
INFO: 11% (8.8 GiB of 80.0 GiB) in 56s, read: 158.5 MiB/s, write: 157.9 MiB/s
INFO: 12% (9.7 GiB of 80.0 GiB) in 1m 2s, read: 148.6 MiB/s, write: 148.2 MiB/s
INFO: 13% (10.6 GiB of 80.0 GiB) in 1m 7s, read: 173.3 MiB/s, write: 172.6 MiB/s
INFO: 14% (11.3 GiB of 80.0 GiB) in 1m 11s, read: 184.9 MiB/s, write: 182.0 MiB/s
INFO: 15% (12.1 GiB of 80.0 GiB) in 1m 16s, read: 168.9 MiB/s, write: 166.2 MiB/s
INFO: 16% (12.9 GiB of 80.0 GiB) in 1m 20s, read: 200.0 MiB/s, write: 198.8 MiB/s

```

Now you can have a backup of selected VM's

You can find the backups in your SSD pool > Backups:

PROXMOX Virtual Environment 8.1.3 [Documentation](#) [Create VM](#) [Create CT](#) root@pam

Server View

- Datcenter
 - proxmox
 - 100 (WIN-SRV-22)
 - 101 (DOCKER-UBUNTU)
 - 102 (BOOKSTACK)
 - 103 (Netboot)
 - localnetwork (proxmox)
 - SSDPool (proxmox)
 - SSD_Backups_Dir (proxmox)**
 - local (proxmox)
 - local-lvm (proxmox)

Summary Search:

Backups

Permissions

Name	Notes	Date ↓	Format	Size
vzdump-qemu-102-2024_06_06-12_22_41.vma.zst	BOOKSTACK	2024-06-06 12:22:41	vma.zst	15.38 GB
vzdump-qemu-100-2024_06_06-12_19_41.vma.zst	WIN-SRV-22	2024-06-06 12:19:41	vma.zst	12.66 GB

Revision #1

Created 6 June 2024 23:48:53 by Nate Nash

Updated 1 June 2025 15:55:58 by Nate Nash