

Proxmox Backup Server

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Proxmox

- Logiciel libre avec option support payant
- 3 produits / service
- <https://proxmox.com/en/proxmox-ve>
- <https://proxmox.com/en/proxmox-backup-server>
- <https://proxmox.com/en/proxmox-mail-gateway>

Pricing PBS

- <https://proxmox.com/en/proxmox-backup-server/pricing>
- 449 / 898 / 1796 / 3592 EUR HT/an
- Community / basic / standard / premium
- <https://forum.proxmox.com/>

Proxmox et debian

- PVE et PBS : base debian + repo apt
- PVE 6.x PBS 1.x = debian 10
- PVE 7.x PBS 2.x = debian 11
- Proxmox EOL >= debian EOL
- <https://pve.proxmox.com/wiki/FAQ>

Repository Apt

- Si support payant alors acces au repo apt “enterprise” via clés à saisir dans la Web UI et reçues après paiement
- Sinon repo “no-subscription” (ou “test”)
- Entreprise plus conservateur en version que no-subscription
- <https://pve.proxmox.com/wiki/Package.Repositories>
- Installation via ISO ou via apt par dessus une debian

Mises à jour

- apt-get update && apt dist-upgrade
- Ou via web UI
- Changement de version majeure bien documentées
- Note : incluant mise à jour majeure ceph pour PVE
- https://pbs.proxmox.com/wiki/index.php/Upgrade_from_1.1_to_2.x
- https://pve.proxmox.com/wiki/Upgrade_from_6.x_to_7.0

Apports proxmox

- Kernel incluant ZFS
- Pour PVE qemu/KVM à jour
- Démons et command line PVE (perl) et PBS (rust) - systemd
- Fichiers de config flat file dans /etc/pve ou /etc/proxmox-backup-server
- Installeur graphique simple et efficace incluant ZFS
- Boot UEFI multi disque
- UI web port 8006 pour PVE et 8007 pour PBS

Roadmap

- <https://pbs.proxmox.com/wiki/index.php/Roadmap>
- Listes de diffusion publiques et revue de patch
- Utilisées par les salariés pour leur patch
- Patch communautaires acceptés (exemple OVS pour PVE contribué)
- Ajout progressif gestion de bandes

PBS en bref

- Sauvegarde déduplication / compression
- Pour block basé sur les bitmaps de qemu/KVM pour ne sauver que les blocks modifiés depuis le dernier backup
- Pour filesystem : peu efficace car lecture complete (pas d'optimisation mtime/ctime)
- Si VM éteinte ou KVM stop/start : relecture complete aussi
- Block : lié à PVE
- Filesystem : outil command line indépendant (linux récent)

Configuration PBS

```
root@backup2:~# cat /etc/proxmox-backup/datastore.cfg
datastore: datastore2
          path /mnt/datastore/datastore2
root@backup2:~# ls -l /etc/proxmox-backup/
total 36
-rw----- 1 root  root   3243 Oct 13 10:26 authkey.key
-rw-r---- 1 root  backup   800 Oct 13 10:26 authkey.pub
-rw-r---- 1 root  backup  1679 Oct 13 10:26 csrf.key
-rw-r---- 1 root  backup    54 Oct 13 10:37 datastore.cfg
-rw-r---- 1 root  backup  3243 Oct 13 10:26 proxy.key
-rw-r---- 1 root  backup 2159 Oct 13 10:26 proxy.pem
-rw-r---- 1 root  backup   185 Oct 13 10:44 remote.cfg
-rw-r---- 1 root  backup   137 Oct 13 10:45 sync.cfg
-rw-r--r-- 1 root  root      0 Oct 13 10:30 tfa.json.lock
-rw-r---- 1 root  backup    52 Oct 13 10:25 user.cfg
```

Configuration VM PVE

```
root@pollux:~# cat /etc/pve/qemu-server/8001.conf
agent: 1
bios: ovmf
boot: order=scsi0;ide2;net0
cores: 16
cpu: host
ide2: none,media=cdrom
machine: q35
memory: 65536
name: backup1
net0: virtio=56:CE:6E:89:F0:39,bridge=vmbr0
numa: 0
ostype: l26
scsi0: ssdbck1:vm-8001-disk-0,backup=0,discard=on,size=10000G,ssd=1
scsihw: virtio-scsi-pci
smbios1: uuid=e4cb598b-fb30-4ddb-be66-03511ed71576
sockets: 1
```

Configuration PBS dans PVE

```
root@pollux:~# tail -8 /etc/pve/storage.cfg
pbs: backup1
    datastore datastore1
    server 172.16.1.151
    content backup
    fingerprint xx:xx:xx:...
    prune-backups keep-all=1
    username root@pam
```

Installation ISO PBS

Proxmox Backup Server 1.1 (iso release 1) - <https://www.proxmox.com/>



Welcome to Proxmox Backup Server

[Install Proxmox Backup Server \(Debug mode\)](#)

[Rescue Boot](#)

[Test memory](#)

Installation ISO PBS EULA



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END USER LICENSE AGREEMENT (EULA) FOR PROXMOS BACKUP SERVER

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3. Limitation of Liability. To the maximum extent permitted under applicable law, under no

Abort

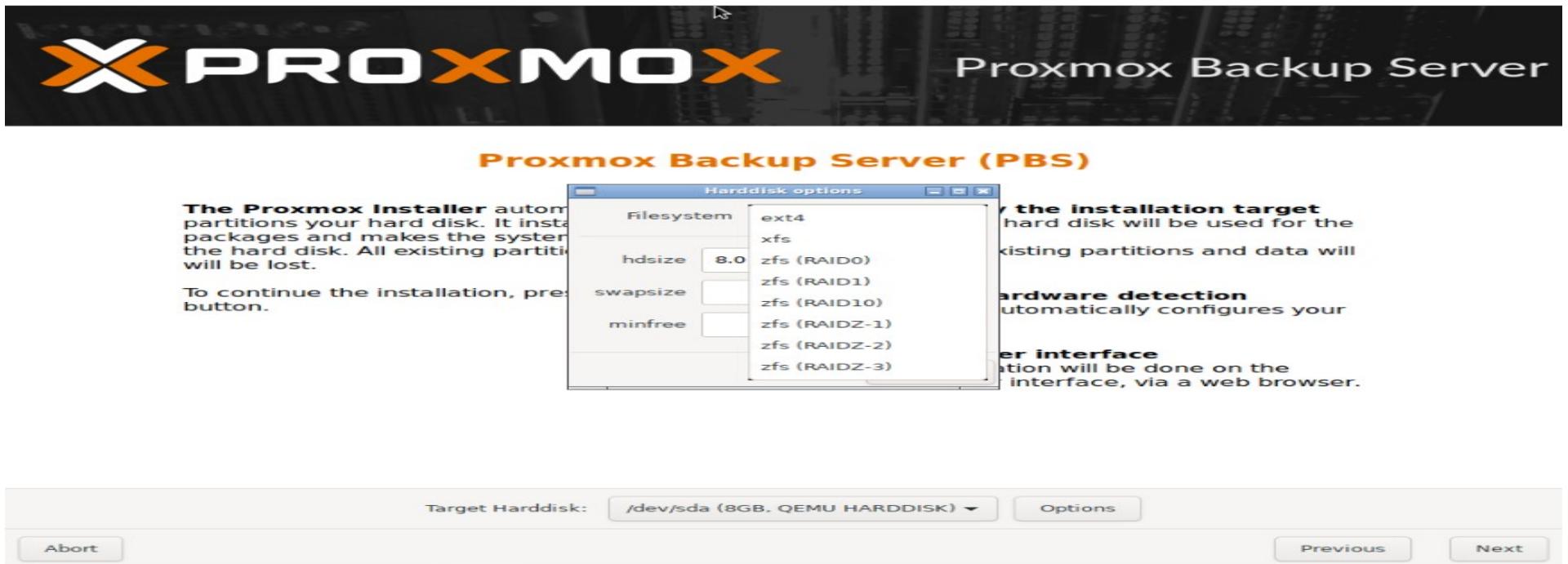
Previous

I agree

Installation ISO PBS disque



Installation ISO PBS FS



Installation ISO PBS Locale



Location and Time Zone selection

The Proxmox Installer automatically makes location-based optimizations, like choosing the nearest mirror to download files from. Also make sure to select the correct time zone and keyboard layout.

Press the Next button to continue the installation.

- **Country:** The selected country is used to choose nearby mirror servers. This will speed up downloads and make updates more reliable.
- **Time Zone:** Automatically adjust daylight saving time.
- **Keyboard Layout:** Choose your keyboard layout.

A screenshot of the Proxmox Installer's configuration interface. At the top, there are three dropdown menus: 'Country' set to 'France', 'Time zone' set to 'Europe/Paris', and 'Keyboard Layout' set to 'French'. Below these are two buttons: 'Abort' on the left and 'Previous' and 'Next' on the right. The background is a dark grey gradient.

Installation ISO PBS login

The image shows a screenshot of the Proxmox Backup Server installation interface. At the top, there is a dark banner with the Proxmox logo on the left and "Proxmox Backup Server" on the right. Below the banner, the title "Administration Password and Email Address" is displayed in orange. To the left, there is a brief description of the system: "Proxmox Backup Server is a full-featured, highly secure system, based on Debian GNU/Linux." Below this, it says "In this step, please provide the root password." To the right, there are two bullet points with instructions: "Password: Please use a strong password. It should be at least 8 characters long, and contain a combination of letters, numbers, and symbols." and "Email: Enter a valid email address. Your Proxmox Backup Server will send important alert notifications to this email account (all emails for 'root').". Below these instructions, a message says "To continue the installation, press the Next button." with a cursor icon pointing towards the "Next" button. At the bottom, there are input fields for "Password" (containing seven dots), "Confirm" (containing seven dots), and "Email" (containing "pbs@example.org"). There are also "Abort", "Previous", and "Next" buttons at the bottom.

Administration Password and Email Address

Proxmox Backup Server is a full-featured, highly secure system, based on Debian GNU/Linux.

In this step, please provide the *root* password.

- **Password:** Please use a strong password. It should be at least 8 characters long, and contain a combination of letters, numbers, and symbols.
- **Email:** Enter a valid email address. Your Proxmox Backup Server will send important alert notifications to this email account (all emails for 'root').

To continue the installation, press the **Next** button.

Abort Previous Next

Password: Confirm: Email:

Installation ISO PBS IP



Management Network Configuration

Please verify the displayed network configuration. You will need a valid network configuration to access the management interface after installing.

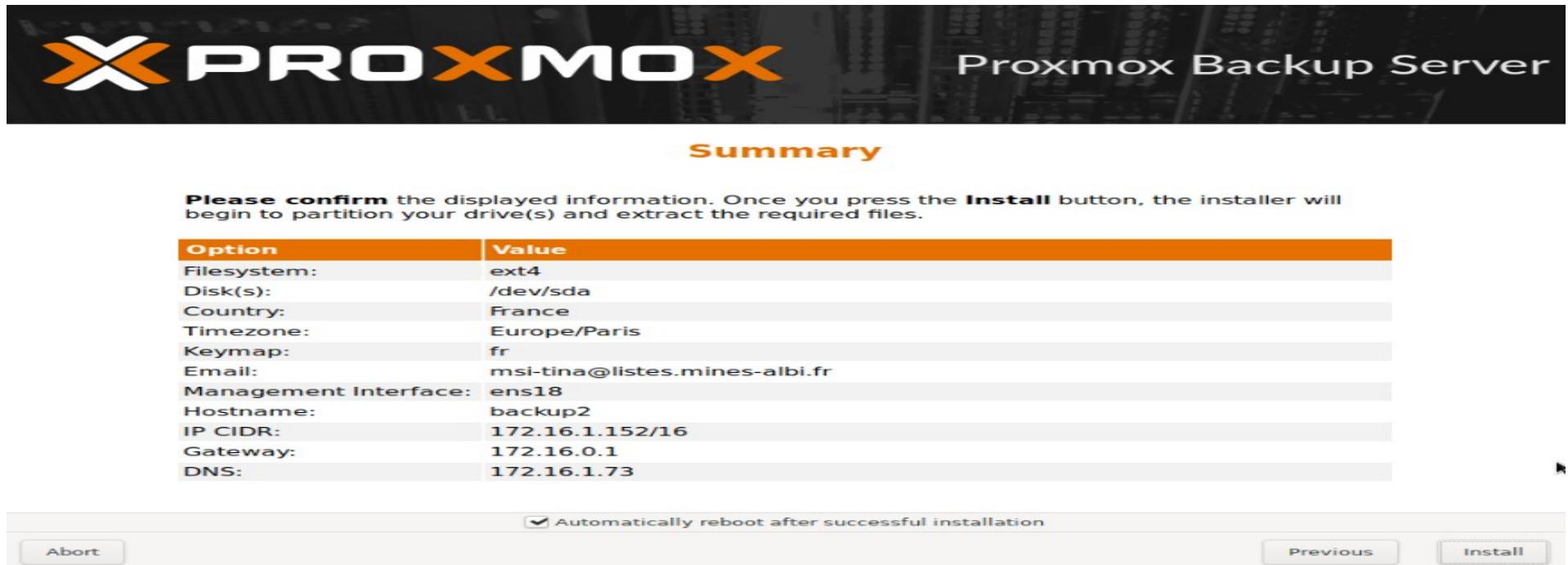
After you have finished, press the Next button. You will be shown a list of the options that you chose during the previous steps.

- **IP address (CIDR):** Set the main IP address and netmask for your server in CIDR notation.
- **Gateway:** IP address of your gateway or firewall.
- **DNS Server:** IP address of your DNS server.

Management Interface:	ens18 - 2a:80:e2:51:f1:3c (virtio_net) ▾
Hostname (FQDN):	backup2.mines-albi.fr
IP Address (CIDR):	172.16.1.152 / 16
Gateway:	172.16.0.1
DNS Server:	172.16.1.73

Abort **Previous** **Next**

Installation ISO PBS résumé



The screenshot shows the 'Summary' step of the Proxmox Backup Server installation. At the top, the Proxmox logo and 'Proxmox Backup Server' are displayed. Below this, a summary table lists various configuration options and their values. A note at the top of the table instructs the user to confirm the information before proceeding. At the bottom, there is a checkbox for automatic reboot after installation, and buttons for 'Abort', 'Previous', and 'Install'.

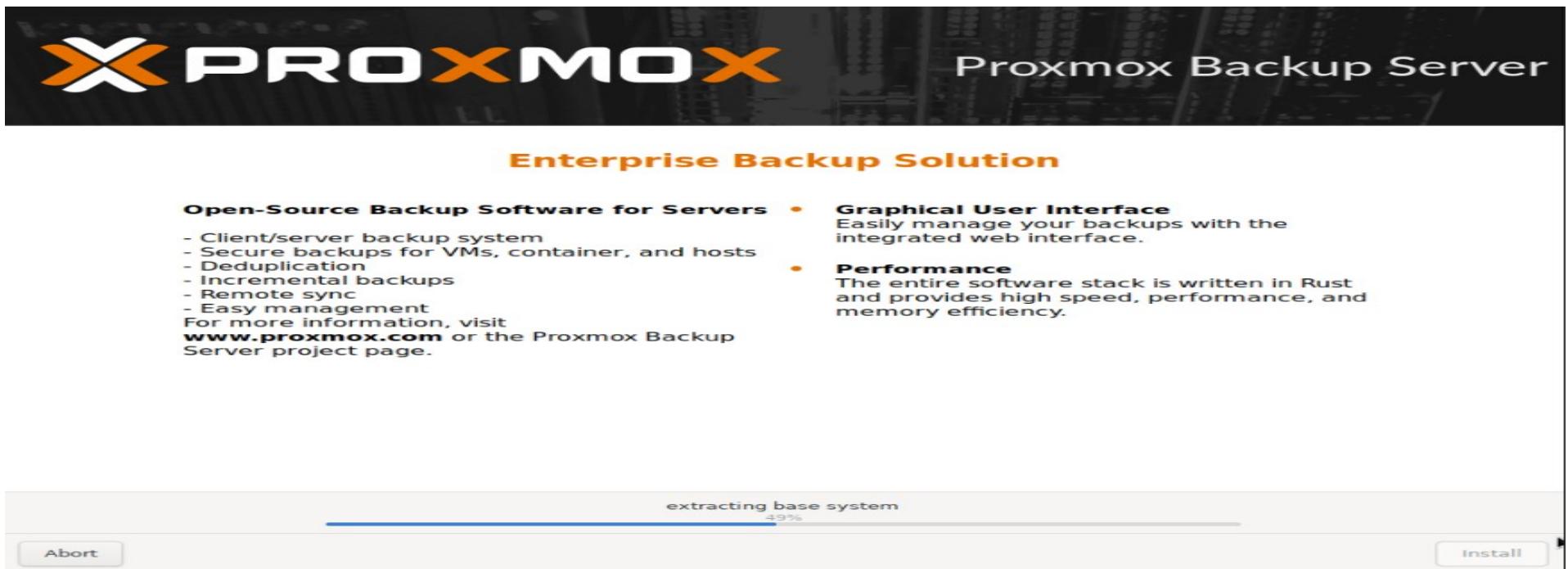
Option	Value
Filesystem:	ext4
Disk(s):	/dev/sda
Country:	France
Timezone:	Europe/Paris
Keypad:	fr
Email:	msi-tina@listes.mines-albi.fr
Management Interface:	ens18
Hostname:	backup2
IP CIDR:	172.16.1.152/16
Gateway:	172.16.0.1
DNS:	172.16.1.73

Please confirm the displayed information. Once you press the **Install** button, the installer will begin to partition your drive(s) and extract the required files.

Automatically reboot after successful installation

Abort **Previous** **Install**

Installation ISO PBS pub



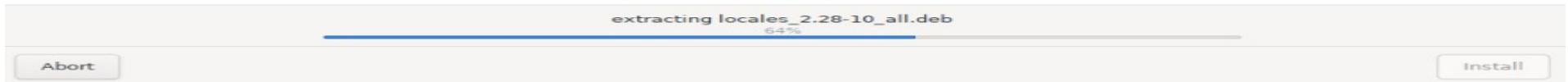
Installation ISO PBS pub 2



Web-Based Management

With the Proxmox Backup Server, you can safely backup and restore your business critical data.

- **Support for Proxmox VE**
The Proxmox Virtual Environment is fully supported, and the seamless integration allows you to easily backup VMs and containers.
- **Web Console**
SSL-secured, browser-integrated system console.
- **Online/Live Backup**
Backup and restore your running virtual servers.



Installation ISO PBS pub 3



Proxmox Backup Server

Data Integrity

The built in SHA-256 checksum algorithm ensures the accuracy and consistency of your backups.

Compression

The ultra-fast Zstandard compression is able to compress several gigabytes of data per second.

- **Remote Sync**

Backup data to dedicated hardware or efficiently synchronize them to remote sites. Only deltas containing new data are transferred.

- **Technical Support**

Enterprise support options are available from Proxmox.



PBS post install

```
root@backup2:~# df -h
```

Filesystem	Size	Used	Avail	Use%	Mounted on
udev	5.9G	0	5.9G	0%	/dev
tmpfs	1.2G	17M	1.2G	2%	/run
/dev/mapper/pbs-root	5.6G	1.5G	3.9G	28%	/
tmpfs	5.9G	0	5.9G	0%	/dev/shm
tmpfs	5.0M	0	5.0M	0%	/run/lock
tmpfs	5.9G	0	5.9G	0%	/sys/fs/cgroup
/dev/sda2	511M	312K	511M	1%	/boot/efi
tmpfs	1.2G	0	1.2G	0%	/run/user/0

PBS web login

Proxmox Backup Server Login

User name:	<input type="text" value="root"/>
Password:	<input type="password" value="*****"/>
Realm:	<input type="text" value="Linux PAM standard authentication"/>
Language:	<input type="text" value="English"/>

Save User name: Login

PBS Web UI

PROXMOX Backup Server 1.1-1

Documentation Tasks 0 root@pam

Dashboard

Server Resources

- CPU: 0%
- Memory: 1%
- Root Disk: 26%

Datastore Usage

Name ↑	Size	Used	Available	Usage %	Estimated Full	History (last Month)
No Data						

Longest Tasks (30 days)

Log Rotation

No valid subscription

You do not have a valid subscription for this server. Please visit www.proxmox.com to get a list of available options.

OK

Running Tasks

Task Summary (30 days)

Backups	Prunes	Garbage collections	Syncs	Verify
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0

Subscription

No valid subscription

You do not have a valid subscription for this server. Please visit www.proxmox.com to get a list of available options.

PBS ajout disque

The screenshot shows the Proxmox Backup Server 1.1-1 interface. The left sidebar has the following menu items:

- Dashboard
- Configuration
- Access Control
- Remotes
- Subscription
- Administration
- Shell
- Storage / Disks** (selected)
- Tape Backup
- Datastore
- + Add Datastore

The main panel title is "Storage / Disks". It includes tabs for "Disks", "Directory" (which is selected), and "ZFS". Below the tabs are buttons for "Reload" and "Create: Directory". A search bar at the top says "Path ↑" and "Device". The message "No Mount-Units found" is displayed.

A modal dialog titled "Create: Directory" is open in the bottom right corner. It contains the following fields:

Disk:	/dev/sdb
Filesystem:	ext4
Name:	datastore2
Add as Datastore:	<input checked="" type="checkbox"/>

At the bottom of the dialog are "Help" and "Create" buttons.

PBS édition repo apt

```
root@backup2:~# apt-get update
Get:1 http://security.debian.org buster/updates InRelease [65.4 kB]
Get:2 http://ftp.fr.debian.org/debian buster InRelease [122 kB]
Get:3 http://ftp.fr.debian.org/debian buster-updates InRelease [51.9 kB]
Get:4 http://security.debian.org buster/updates/main amd64 Packages [307 kB]
Err:5 https://enterprise.proxmox.com/debian/pbs buster InRelease
      401  Unauthorized [IP: 51.91.38.34 443]
Get:6 http://security.debian.org buster/updates/main Translation-en [161 kB]
Get:7 http://ftp.fr.debian.org/debian/main amd64 Packages [7,906 kB]
Get:8 http://ftp.fr.debian.org/debian buster/main Translation-en [5,968 kB]
Get:9 http://ftp.fr.debian.org/debian buster/contrib amd64 Packages [50.1 kB]
Get:10 http://ftp.fr.debian.org/debian buster/contrib Translation-en [44.2 kB]
Get:11 http://ftp.fr.debian.org/debian buster-updates/main amd64 Packages [15.2 kB]
Get:12 http://ftp.fr.debian.org/debian buster-updates/main Translation-en [13.9 kB]
Reading package lists... Done
E: Failed to fetch https://enterprise.proxmox.com/debian/pbs/dists/buster/InRelease  401  Unauthorized [IP: 51.91.38.34 443]
E: The repository 'https://enterprise.proxmox.com/debian/pbs buster InRelease' is not signed.
N: Updating from such a repository can't be done securely, and is therefore disabled by default.
N: See apt-secure(8) manpage for repository creation and user configuration details.
root@backup2:~# cat /etc/apt/sources.list.d/pbs-enterprise.list
deb https://enterprise.proxmox.com/debian/pbs buster pbs-enterprise
root@backup2:~# vi /etc/apt/sources.list.d/pbs-enterprise.list
root@backup2:~# cat /etc/apt/sources.list.d/pbs-enterprise.list
#deb https://enterprise.proxmox.com/debian/pbs buster pbs-enterprise
root@backup2:~# echo "deb http://download.proxmox.com/debian/pbs buster pbs-no-subscription" > /etc/apt/sources.list.d/pbs-install-repo.list
root@backup2:~# apt-get update
Hit:1 http://security.debian.org buster/updates InRelease
Get:2 http://download.proxmox.com/debian/pbs buster InRelease [3,065 B]
Get:3 http://download.proxmox.com/debian/pbs buster/pbs-no-subscription amd64 Packages [139 kB]
Hit:4 http://ftp.fr.debian.org/debian buster InRelease
Hit:5 http://ftp.fr.debian.org/debian buster-updates InRelease
Fetched 143 kB in 2s (87.8 kB/s)
Reading package lists... Done
root@hacking2:~# █
```

PBS fingerprint

X PROXMOX Backup Server 1.1-12 Documentation Tasks 0 root@patt

Dashboard Configuration Access Control Remotes Certificates Subscription Administration Shell Storage / Disks Tape Backup Datastore datastore Add Datastore

Dashboard

Server Resources Show Fingerprint

CPU 0% Memory 6% Root Disk 82%

Datastore Usage

Name ↑	Size	Used	Available	Usage %	Estimated Full	History (last Month)
datastore1	9.66 TiB	7.96 TiB	1.22 TiB	82.36%	In 30d 7h 38m	

Longest Tasks (30 days)

Verify Job datastore1:v-b9f55f57-1bd1 - Scheduled Verification
Verify Job datastore1:v-b9f55f57-1bd1 - Scheduled Verification

Fingerprint

Copy OK

17h 22m 13s 17h 18m 12s 17h 11m 14s 17h 9m 33s

PBS ajout remote

PROXMOX Backup Server 1.1-1

Dashboard Configuration Access Control Remotes Subscriptions Administration Shell Storage / Disks Tape Backup Datastore datastore2 Add Datastore

Remotes

Add Edit Remove

Remote ↑	Host	Auth ID	Fingerprint	Comment
----------	------	---------	-------------	---------

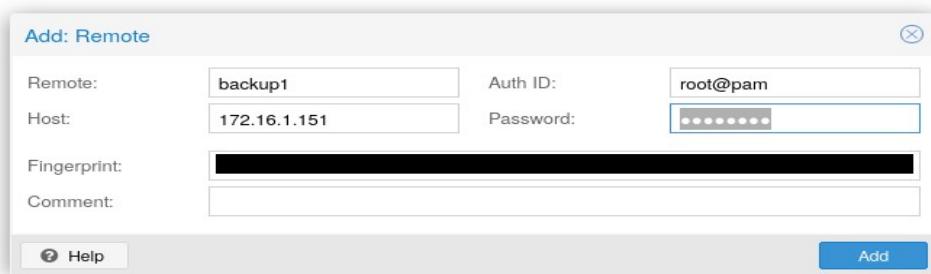
Add: Remote

Remote: Auth ID: Host: Password:

Fingerprint:

Comment:

Help Add



PBS ajout sync job

The screenshot shows the Proxmox Backup Server 1.1-1 interface. The left sidebar has a tree view with nodes like Dashboard, Configuration, Access Control, Remotes, Subscription, Administration (Shell, Storage / Disks), Tape Backup, Datastore (selected), and Add Datastore. The main area is titled "Datastore: datastore2" and shows tabs for Summary, Content, Prune & GC, Sync Jobs (which is selected and highlighted in blue), Verify Jobs, Options, and Permissions. Below these tabs is a toolbar with buttons for Add, Edit, Remove, Show Log, and Run now. A table header follows, with columns for Job ID ↑, Remote, Remote Store, Owner, Schedule, Last Sync, Duration, and Status. A modal dialog titled "Add: SyncJob" is open in the foreground, containing fields for Local Datastore (datastore2), Local Owner (root@pam), Remove vanished (unchecked), Source Remote (backup1), Source Datastore (datastore1), Sync Schedule (11:00), Comment (empty), Help (button), and an Add button.

Job ID ↑	Remote	Remote Store	Owner	Schedule	Last Sync	Duration	Status
----------	--------	--------------	-------	----------	-----------	----------	--------

Add: SyncJob

Local Datastore: **datastore2**

Local Owner: **root@pam**

Remove vanished:

Source Remote: **backup1**

Source Datastore: **datastore1**

Sync Schedule: **11:00**

Comment:

Add

PVE PBS ajout

The screenshot shows the Proxmox VE 6.4-13 Server View interface. The left sidebar displays the Datacenter section, which includes a list of hosts (pollux) and various management options like Cluster, Ceph, Options, Storage, Backup, Replication, Permissions, HA, ACME, Firewall, Metric Server, and Support. The Storage option is currently selected. The main panel is titled "Datacenter" and contains a "Storage" configuration window. This window has tabs for "Add", "Remove", and "Edit". Below these tabs is a list of storage types: Directory, LVM, LVM-Thin, NFS, CIFS, GlusterFS, iSCSI, CephFS, RBD, ZFS over iSCSI, ZFS, and Proxmox Backup Server. The "ZFS" entry is highlighted with a blue selection bar. To the right of the storage types is a table with three columns: Type, Content, and a detailed description. The table shows three entries: "Directory" (Content: VZDump backup file, ISO Image, Container template), "ZFS" (Content: Disk Image, Container), and another "ZFS" entry (Content: Disk image, Container). The second "ZFS" entry is also highlighted with a blue selection bar.

Type	Content
Directory	VZDump backup file, ISO Image, Container template
ZFS	Disk Image, Container
ZFS	Disk image, Container

PVE PBS restore

PROXMOX Virtual Environment 6.4-9

Server View

Storage "backup1" on node "r640e"

Backup Details

Task viewer: VM 100 - Restore

Output Status

Stop

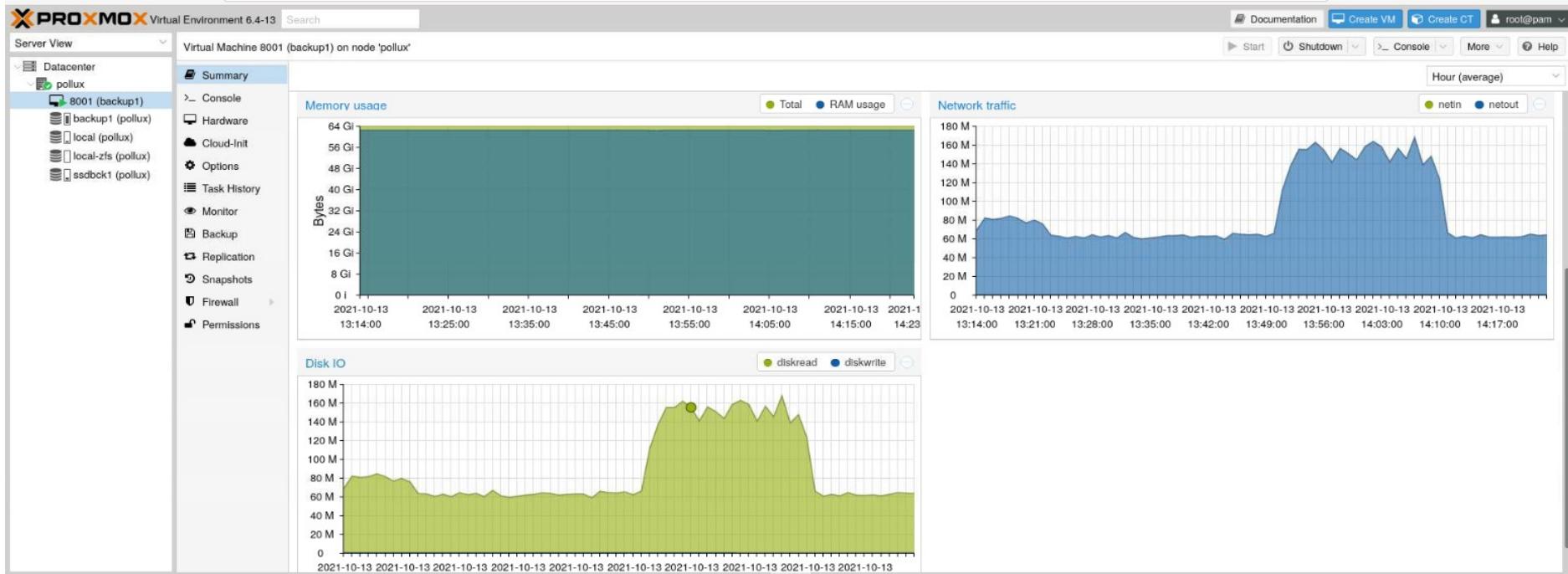
Progress Log:

```
progress 79% (read 1352767744 bytes, zeroes = 0% (62914560 bytes), duration 128 sec)
progress 80% (read 13744734208 bytes, zeroes = 0% (62914560 bytes), duration 129 sec)
progress 81% (read 13916700672 bytes, zeroes = 0% (62914560 bytes), duration 131 sec)
progress 82% (read 14086667136 bytes, zeroes = 0% (62914560 bytes), duration 133 sec)
progress 83% (read 14260633600 bytes, zeroes = 0% (62914560 bytes), duration 135 sec)
progress 84% (read 14432600064 bytes, zeroes = 0% (62914560 bytes), duration 137 sec)
progress 85% (read 14604566528 bytes, zeroes = 0% (62914560 bytes), duration 138 sec)
progress 86% (read 14776532992 bytes, zeroes = 0% (62914560 bytes), duration 140 sec)
progress 87% (read 14946499456 bytes, zeroes = 0% (62914560 bytes), duration 142 sec)
progress 88% (read 15120465920 bytes, zeroes = 0% (62914560 bytes), duration 143 sec)
progress 89% (read 15292432384 bytes, zeroes = 0% (62914560 bytes), duration 145 sec)
progress 90% (read 15464398848 bytes, zeroes = 0% (62914560 bytes), duration 147 sec)
progress 91% (read 15633635312 bytes, zeroes = 0% (62914560 bytes), duration 148 sec)
progress 92% (read 15806331776 bytes, zeroes = 0% (62914560 bytes), duration 150 sec)
progress 93% (read 15980296240 bytes, zeroes = 0% (62914560 bytes), duration 151 sec)
progress 94% (read 16152264704 bytes, zeroes = 0% (62914560 bytes), duration 153 sec)
progress 95% (read 16324231168 bytes, zeroes = 0% (62914560 bytes), duration 154 sec)
progress 96% (read 16496197632 bytes, zeroes = 0% (62914560 bytes), duration 157 sec)
progress 97% (read 16668164096 bytes, zeroes = 0% (62914560 bytes), duration 158 sec)
progress 98% (read 16840130560 bytes, zeroes = 0% (62914560 bytes), duration 160 sec)
progress 99% (read 17012097024 bytes, zeroes = 0% (67108864 bytes), duration 161 sec)
progress 100% (read 17179869184 bytes, zeroes = 0% (75497472 bytes), duration 163 sec)
restore image complete (bytes=17179869184, duration=163.31s, speed=100.32MB/s)
```

Documentation Create VM Create CT Help

Name	Notes	Date	Format	Size	Encrypted	Verify State
vm/116/2021-03-04T01:33:27Z		2021-03-04 02:33:27	pbs-vm	178.24 GB	No	✓ OK
vm/116/2021-03-05T23:05:50Z		2021-03-06 00:05:50	pbs-vm	178.24 GB	No	✓ OK
vm/116/2021-03-06T23:02:40Z		2021-03-07 00:02:40	pbs-vm	178.24 GB	No	✓ OK
vm/116/2021-03-07T23:20:50Z		2021-03-08 00:20:50	pbs-vm	178.24 GB	No	✓ OK
vm/116/2021-03-08T23:08:16Z		2021-03-09 00:08:16	pbs-vm	178.24 GB	No	✓ OK
vm/116/2021-03-09T23:09:36Z		2021-03-10 00:09:36	pbs-vm	178.24 GB	No	✓ OK
vm/116/2021-03-10T23:17:20Z		2021-03-11 00:17:20	pbs-vm	178.24 GB	No	✓ OK
vm/116/2021-03-11T22:18:51Z		2021-03-12 23:20:26	pbs-vm	178.24 GB	No	✓ OK
vm/116/2021-03-12T22:20:26Z		2021-03-13 23:18:49	pbs-vm	178.24 GB	No	✓ OK
vm/116/2021-03-13T22:18:49Z		2021-03-14 23:19:45	pbs-vm	178.24 GB	No	✓ OK
vm/116/2021-03-14T22:19:45Z		2021-03-15 23:18:30	pbs-vm	178.24 GB	No	✓ OK
vm/116/2021-03-15T22:18:30Z		2021-03-16 23:21:02	pbs-vm	178.24 GB	No	✓ OK
vm/116/2021-03-16T22:21:02Z		2021-03-17 23:19:20	pbs-vm	178.24 GB	No	✓ OK
vm/116/2021-03-17T22:19:20Z		2021-03-18 23:21:04	pbs-vm	178.24 GB	No	✓ OK
vm/116/2021-03-18T22:21:04Z		2021-03-19 23:18:57	pbs-vm	178.24 GB	No	✓ OK
vm/116/2021-03-19T22:18:57Z		2021-03-20 23:18:01	pbs-vm	178.24 GB	No	✓ OK
vm/116/2021-03-20T22:18:01Z		2021-03-21 23:18:13	pbs-vm	178.24 GB	No	✓ OK
vm/116/2021-03-21T22:18:13Z		2021-03-22 23:18:27	pbs-vm	178.24 GB	No	✓ OK
vm/116/2021-03-22T22:18:27Z		2021-03-23 23:17:57	pbs-vm	178.24 GB	No	✓ OK
vm/116/2021-03-23T22:17:57Z		2021-03-24 23:18:13	pbs-vm	178.24 GB	No	✓ OK
vm/116/2021-03-24T22:18:13Z		2021-03-25 23:17:39	pbs-vm	178.24 GB	No	✓ OK

PVE PBS load



PVE PBS File Restore

PROXMOX Virtual Environment 6.4-9

Server View

Virtual Machine 116 (monitor) on node 'r640e'

Summary Backup now Restore File Restore Show Configuration Edit Notes Remove

Storage: backup1 Date ↓ Format Size Encrypted Verify State

File Restore - vm/116/2021-09-30T23:05:11Z

Name ↑	Size	Modified	Type
drive-scsi0.img.fidx	16.00 GiB	2021-10-13 01:05:29	Virtual
+ part		2021-10-11 20:00:23	Virtual
drive-scsi1.img.fidx	150.00 GiB	2021-10-09 01:05:16	Virtual
+ part	150.00 GiB	2021-10-08 01:05:17	Virtual
1		2021-10-04 01:05:10	Directory
+ 172.16.1.173		2021-10-03 01:05:17	Directory
+ 172.16.10.105		2021-10-02 01:05:13	Directory
+ 172.16.10.49		2021-10-01 01:05:11	Directory
+ 172.16.42.42		2021-09-30 02:28:30	Directory
+ 172.23.8.134		2021-09-30 01:05:22	Directory
+ 172.23.8.49		2021-09-29 01:05:15	Directory
+ 192.168.7.110		2021-09-28 01:05:16	Directory
+ authpriv.log-20210825.xz	288 B	Wed Aug 25 2021 14:58:03 ...	File
+ authpriv.log-20210827.xz	156 B	Fri Aug 27 2021 11:01:17 G...	File
+ authpriv.log-20210831.xz	156 B	Tue Aug 31 2021 08:19:51 G...	File
+ daemon.log	764 B	Fri Oct 01 2021 00:19:49 G...	File
+ daemon.log-20210825.xz	66.54 kB	Wed Aug 25 2021 23:58:02 ...	File
+ daemon.log-20210826.xz	120.59 kB	Thu Aug 26 2021 23:58:02 ...	File
+ daemon.log-20210827.xz	68.82 kB	Fri Aug 27 2021 23:01:16 G...	File
+ daemon.log-20210828.xz	732 B	Sat Aug 28 2021 23:01:16 G...	File
+ daemon.log-20210929.xz	0 kB	Sun Aug 29 2021 00:01:46	File

Download

Tasks Cluster log

Start Time ↓	End Time	Node	User name	Description	Status
Oct 13 13:47:38	Oct 13 13:47:51	r640e	root@pam	VM 100 - Destroy	OK

PVE PVS IMT Mines Albi

- Pour la virtualisation migration de netapp + VMware + TINA sur Dell M1000
- Vers PVE ceph et ZFS + PBS + 5x Dell R640E 512G RAM 10x2.5 SATA
- (et 4 lames FX2 pour CPU+RAM)
- Environ 200 VM, reste 35 à migrer ce jour
- Disques VM autour de 3 TB utiles
- 8 TB dans PBS (février-octobre 2021 quotidien sans aucun pruning)

Test kopia.io

- Cible : portables de nos usagers Windows/Mac/Linux
- Dedup / compression / chiffrement
- Client CLI mais aussi client lourd electron (non administrateur, background)
- Serveur “Repository Server”
- Capable de piloter les clients
- Langage go, projet d'un developpeur google sur son temps libre
- Conflit de message entre utilisation nextcloud et backup classique