

**PVE9 local repository** ..... 3

..... 3

..... 6

..... 10

..... 11

..... 12



# PVE9 local repository

— 2025/11/21 03:02

PVE

```

pve9
OS local storage
/repo
proxmox-offline-mirror

```

```
$ apt install proxmox-offline-mirror
```

```
proxmox-repo:~# proxmox-offline-mirror setup
Loaded existing config.
```

```
Existing config entries:
mirror 'pve_trixie_no-subscription'
mirror 'debian_trixie_backports'
mirror 'debian_trixie_security'
mirror 'debian_trixie_main'
mirror 'debian_trixie_updates'
mirror 'ceph_squid_trixie'
```

```
Select Action:
0) Add new mirror entry
1) Add new medium entry
2) Add new subscription key
3) Quit
```

Add new mirror entry . medium subscription

- pve\_trixie\_no-subscription
- debian\_trixie\_backports
- debian\_trixie\_security
- debian\_trixie\_main
- debian\_trixie\_updates

- ceph\_squid\_trixie

```
root@pve:/data# proxmox-offline-mirror config mirror list
```

ID	repository	base-dir	verify	sync
ceph_squid_trixie	deb	http://download.proxmox.com/debian/ceph-squid /data/proxmox-offline-mirror/mirrors/	1	1
debian_trixie_backports	deb	http://deb.debian.org/debian backports main contrib non-free non-free-firmware /data/proxmox-offline-mirror/mirrors/	1	1
debian_trixie_main	deb	http://deb.debian.org/debian contrib non-free non-free-firmware /data/proxmox-offline-mirror/mirrors/	1	1
debian_trixie_security	deb	http://deb.debian.org/debian-security trixie-security main contrib non-free non-free-firmware /data/proxmox-offline-mirror/mirrors/	1	1
debian_trixie_updates	deb	http://deb.debian.org/debian updates main contrib non-free non-free-firmware /data/proxmox-offline-mirror/mirrors/	1	1
pve_trixie_no-subscription	deb	http://download.proxmox.com/debian/pve trixie pve-no-subscription /data/proxmox-offline-mirror/mirrors/	1	1

```
proxmox-offline-mirror config mirror update --id debian_trixie_backports --
repository "deb http://ftp.lanet.kr/debian trixie-backports main contrib
non-free non-free-firmware"
proxmox-offline-mirror config mirror update --id debian_trixie_main --
repository "deb http://ftp.lanet.kr/debian trixie main contrib non-free non-
free-firmware"
proxmox-offline-mirror config mirror update --id debian_trixie_updates --
repository "deb http://ftp.lanet.kr/debian trixie-updates main contrib non-
free non-free-firmware "
proxmox-offline-mirror config mirror update --id debian_trixie_security --
repository "deb http://deb.debian.org/debian-security trixie-security main
contrib non-free non-free-firmware"
```

6

```
#
$ proxmox-offline-mirror mirror snapshot create <MIRROR_NAME>

#
$ proxmox-offline-mirror mirror gc
```

가

mirror.sh

```
#!/bin/bash
# ID
MIRRORS=(
  pve_trixie_no-subscription
  ceph_squid_trixie
  debian_trixie_main
  debian_trixie_security
  debian_trixie_updates
  debian_trixie_backports
)
BASE_DIR="/data/proxmox-offline-mirror/mirrors"

#
for MIRROR in "${MIRRORS[@]"; do
  if [ ! -d "$BASE_DIR/$MIRROR" ]; then
    echo "Dir not exists : $MIRROR creating..."
    mkdir -p "$BASE_DIR/$MIRROR"
  fi
```

```
echo "Creating snapshot for $MIRROR..."
proxmox-offline-mirror mirror snapshot create "$MIRROR"
if [ $? -eq 0 ]; then
    echo "Snapshot for $MIRROR created successfully."
else
    echo "Error creating snapshot for $MIRROR."
fi
done

# 가 ( )
echo "Running garbage collection..."
proxmox-offline-mirror mirror gc
echo "Garbage collection completed."
```

가 .

2025-11-21

- 570M ceph\_squid\_trixie
- 14G debian\_trixie\_backports
- 96G debian\_trixie\_main
- 2.9G debian\_trixie\_security
- 19M debian\_trixie\_updates
- 8.8G pve\_trixie\_no-subscription

```
root@pve:/data# cd proxmox-offline-mirror/mirrors/
root@pve:/data/proxmox-offline-mirror/mirrors# ll
total 4
drwxr-xr-x 9 root root 4096 Nov 21 09:44 ./
drwxr-xr-x 3 root root  21 Nov 20 23:08 ../
drwxr-xr-x 3 root root  34 Nov 21 10:49 ceph_squid_trixie/
drwxr-xr-x 3 root root  34 Nov 21 10:52 debian_trixie_backports/
drwxr-xr-x 3 root root  34 Nov 21 10:52 debian_trixie_main/
drwxr-xr-x 3 root root  34 Nov 21 10:52 debian_trixie_security/
drwxr-xr-x 3 root root  34 Nov 21 10:52 debian_trixie_updates/
drwxr-xr-x 4 root root  47 Nov 20 23:11 .pool/
drwxr-xr-x 3 root root  34 Nov 21 10:49 pve_trixie_no-subscription/
root@pve:/data/proxmox-offline-mirror/mirrors# tree -L 3
.
├── ceph_squid_trixie
│   ├── 2025-10-16T01:52:19Z
│   │   └── dists
│   └── 2025-10-16T02:13:46Z
```

```
├── dists
├── 2025-10-16T03:01:59Z
│   ├── dists
│   └── 2025-10-16T04:40:44Z
│       ├── dists
│       └── 2025-10-16T06:12:13Z
│           └── dists
├── debian_trixie_main
│   ├── 2025-10-16T01:54:37Z.tmp
│   │   ├── dists
│   │   └── pool
│   ├── 2025-10-16T02:13:47Z.tmp
│   │   ├── dists
│   │   └── pool
│   ├── 2025-10-16T03:02:02Z.tmp
│   │   ├── dists
│   │   └── pool
│   ├── 2025-10-16T04:40:47Z
│   │   ├── dists
│   │   └── pool
│   └── 2025-10-16T06:12:16Z
│       ├── dists
│       └── pool
├── debian_trixie_security
│   ├── 2025-10-16T01:31:59Z
│   │   ├── dists
│   │   └── pool
│   ├── 2025-10-16T01:58:16Z
│   │   ├── dists
│   │   └── pool
│   ├── 2025-10-16T02:22:15Z
│   │   ├── dists
│   │   └── pool
│   ├── 2025-10-16T04:38:51Z
│   │   ├── dists
│   │   └── pool
│   ├── 2025-10-16T06:11:35Z
│   │   ├── dists
│   │   └── pool
│   └── 2025-10-16T06:16:05Z
│       ├── dists
│       └── pool
├── debian_trixie_updates
│   ├── 2025-10-16T01:58:29Z
│   │   ├── dists
│   │   └── pool
│   ├── 2025-10-16T02:22:28Z
│   │   ├── dists
│   │   └── pool
│   └── 2025-10-16T04:39:05Z
│       └── dists
```

```
├── pool
│   ├── 2025-10-16T06:11:50Z
│   │   ├── dists
│   │   └── pool
│   └── 2025-10-16T06:16:20Z
│       ├── dists
│       └── pool
└── pve_trixie_no-subscription
    ├── 2025-10-16T01:40:20Z.tmp
    │   └── dists
    ├── 2025-10-16T02:04:53Z
    │   └── dists
    ├── 2025-10-16T03:01:43Z
    │   └── dists
    ├── 2025-10-16T04:40:27Z
    │   └── dists
    └── 2025-10-16T06:11:55Z
        └── dists
```

74 directories, 0 files

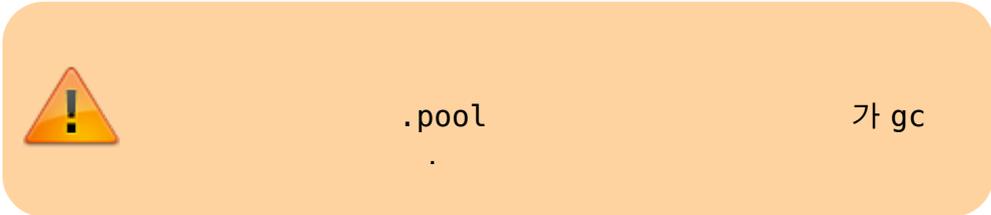
.pool

\*.tmp

.snap\_clear.sh

```
#!/bin/bash
MIRRORS=(
  pve_trixie_no-subscription
  ceph_squid_trixie
  debian_trixie_main
  debian_trixie_security
  debian_trixie_updates
  debian_trixie_backports
)

#
for MIRROR in "${MIRRORS[@]"; do
  echo "Deleting snapshot for $MIRROR..."
  proxmox-offline-mirror mirror snapshot list $MIRROR --output-format json
  | jq -r ".[\"$MIRROR\"][]" | while read SNAPSHOT; do
    echo "Deleting snapshot: $SNAPSHOT"
    proxmox-offline-mirror mirror snapshot remove $MIRROR "$SNAPSHOT"
  done
done
```



copy-mirror.sh

```
#!/bin/bash
MIRROR_BASE=/data/repo
ORIG_BASE=/data/proxmox-offline-mirror/mirrors

# directory check
if [ ! -d "$MIRROR_BASE" ]; then
  echo "Dir not exists : $MIRROR_BASE creating..."
  mkdir -p "$MIRROR_BASE"
fi

for MIRROR in ceph_squid_trixie debian_trixie_main debian_trixie_security
debian_trixie_updates debian_trixie_backports pve_trixie_no-subscription; do
  LATEST=$(ls -d $ORIG_BASE/$MIRROR/*Z | sort -r | head -n 1)
  echo "LATEST=$LATEST"
  if [ -n "$LATEST" ]; then
    rm -rf $MIRROR_BASE/$MIRROR/
    rsync -a --copy-links $LATEST/ $MIRROR_BASE/$MIRROR/
    echo "Converted $MIRROR to actual files from $LATEST."
  fi
done
```

/repo

/repo

가

```
proxmox-repo:~# cd /repo/
proxmox-repo:/repo# ls -al
total 28
drwxr-xr-x  7 root root 4096 Oct 17 12:18 ./
drwxr-xr-x 19 root root 4096 Oct 16 15:17 ../
drwxr-xr-x  3 root root 4096 Oct 16 15:12 ceph_squid_trixie/
drwxr-xr-x  4 root root 4096 Oct 16 15:12 debian_trixie_main/
drwxr-xr-x  4 root root 4096 Oct 16 15:16 debian_trixie_security/
drwxr-xr-x  4 root root 4096 Oct 16 15:16 debian_trixie_updates/
drwxr-xr-x  3 root root 4096 Oct 16 15:11 pve_trixie_no-subscription/
```

```
proxmox-repo:/repo# tree -L3
.
├── ceph_squid_trixie
│   └── dists
│       └── trixie
├── debian_trixie_main
│   ├── dists
│   │   └── trixie
│   └── pool
│       ├── contrib
│       └── main
├── debian_trixie_security
│   ├── dists
│   │   └── trixie-security
│   └── pool
│       └── updates
├── debian_trixie_updates
│   ├── dists
│   │   └── trixie-updates
│   └── pool
│       └── main
└── pve_trixie_no-subscription
    ├── dists
    └── trixie

23 directories, 0 files
```

### local.sources

```
#####
# PVE9 local repository sources type
# 2025-10-16
#####
Types: deb
URIs: file:///data/repo/ceph_squid_trixie
Suites: trixie
Components: no-subscription
Trusted: yes

Types: deb
URIs: file:///data/repo/debian_trixie_backports
Suites: trixie-backports
Components: main contrib non-free non-free-firmware
```

```
Trusted: yes

Types: deb
URIs: file:///data/repo/debian_trixie_main
Suites: trixie
Components: main contrib non-free non-free-firmware
Trusted: yes

Types: deb
URIs: file:///data/repo/debian_trixie_security
Suites: trixie-security
Components: main contrib non-free non-free-firmware
Trusted: yes

Types: deb
URIs: file:///data/repo/debian_trixie_updates
Suites: trixie-updates
Components: main contrib non-free non-free-firmware
Trusted: yes

Types: deb
URIs: file:///data/repo/pve_trixie_no-subscription
Suites: trixie
Components: pve-no-subscription
Trusted: yes
```

## local.list

```
#####
# PVE9 local repository list type
# 2025-10-16
#####
deb [trusted=yes] file:///repo/ceph_squid_trixie trixie no-subscription
deb [trusted=yes] file:///repo/debian_trixie_backports trixie-backports main
contrib non-free non-free-firmware
deb [trusted=yes] file:///repo/debian_trixie_main trixie main contrib non-
free non-free-firmware
deb [trusted=yes] file:///repo/debian_trixie_security trixie-security main
contrib non-free non-free-firmware
deb [trusted=yes] file:///repo/debian_trixie_updates trixie-updates main
contrib non-free non-free-firmware
deb [trusted=yes] file:///repo/pve_trixie_no-subscription trixie pve-no-
subscription
```

가 .

```
Error: Release file for file:/data/repo/debian_trixie_security/dists/trixie-security/InRelease is expired (invalid since 21d 21h 19min 4s). Updates for this repository will not be applied.  
Error: Release file for file:/data/repo/debian_trixie_updates/dists/trixie-updates/InRelease is expired (invalid since 21d 22h 14min 21s). Updates for this repository will not be applied.
```

/etc/apt/apt.conf.d/99local-repo-no-valid-until

```
// / Release  
Acquire::Check-Valid-Until "false";  
Acquire::Check-Date "false";  
  
// 가 Release ( )  
Acquire::AllowInsecureRepositories "true";  
Acquire::AllowDowngradeToInsecureRepositories "true";  
  
// ( )  
APT::Get::AllowUnauthenticated "true";
```

- <https://pom.proxmox.com/>

From:  
<https://atl.kr/dokuwiki/> - **AllThatLinux!**

Permanent link:  
[https://atl.kr/dokuwiki/doku.php/pve9\\_local\\_repository\\_%EA%B5%AC%EC%84%B1](https://atl.kr/dokuwiki/doku.php/pve9_local_repository_%EA%B5%AC%EC%84%B1)

Last update: **2025/11/21 03:02**

