

**PVE9 local repository**

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# PVE9 local repository

PVE

pve9

OS local storage

가

가

/repo 가

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_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\_security
- debian\_trixie\_main
- debian\_trixie\_updates
- ceph\_squid\_trixie

5

```
#
$ 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
)

#
for MIRROR in "${MIRRORS[@]}"; do
    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

2025-10-16

- 570M ceph\_squid\_trixie
- 115G debian\_trixie\_main
- 9.7G debian\_trixie\_security
- 20M debian\_trixie\_updates
- 7.5G pve\_trixie\_no-subscription

```
proxmox-repo:~# cd /var/lib/proxmox-offline-mirror/mirrors/
proxmox-repo:/var/lib/proxmox-offline-mirror/mirrors# ll
total 32
drwxr-xr-x 8 root root 4096 Oct 16 10:31 ./
drwxr-xr-x 3 root root 4096 Oct 16 10:30 ../
drwxr-xr-x 7 root root 4096 Oct 16 15:12 ceph_squid_trixie/
drwxr-xr-x 7 root root 4096 Oct 16 15:16 debian_trixie_main/
drwxr-xr-x 8 root root 4096 Oct 16 15:16 debian_trixie_security/
drwxr-xr-x 7 root root 4096 Oct 16 15:16 debian_trixie_updates/
drwxr-xr-x 4 root root 4096 Oct 16 10:31 .pool/
drwxr-xr-x 7 root root 4096 Oct 16 15:12 pve_trixie_no-subscription/
proxmox-repo:/var/lib/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
```

```
graph TD; A[ ] --- B[dists]; A --- C[pool]; A --- D["2025-10-16T02:22:15Z"]; D --- E[dists]; D --- F[pool]; D --- G["2025-10-16T04:38:51Z"]; G --- H[dists]; G --- I[pool]; G --- J["2025-10-16T06:11:35Z"]; J --- K[dists]; J --- L[pool]; J --- M["2025-10-16T06:16:05Z"]; M --- N[dists]; M --- O[pool]; A --- P[debian_trixie_updates]; P --- Q["2025-10-16T01:58:29Z"]; Q --- R[dists]; Q --- S[pool]; P --- T["2025-10-16T02:22:28Z"]; T --- U[dists]; T --- V[pool]; P --- W["2025-10-16T04:39:05Z"]; W --- X[dists]; W --- Y[pool]; P --- Z["2025-10-16T06:11:50Z"]; Z --- AA[dists]; Z --- AB[pool]; P --- AC["2025-10-16T06:16:20Z"]; AC --- AD[dists]; AC --- AE[pool]; A --- AF[pve_trixie_no-subscription]; AF --- AG["2025-10-16T01:40:20Z.tmp"]; AG --- AH[dists]; AF --- AI["2025-10-16T02:04:53Z"]; AI --- AJ[dists]; AF --- AK["2025-10-16T03:01:43Z"]; AK --- AL[dists]; AF --- AM["2025-10-16T04:40:27Z"]; AM --- AN[dists]; AF --- AO["2025-10-16T06:11:55Z"]; AO --- AP[dists]
```

```
74 directories, 0 files
```

.pool

## copy-mirror.sh

```
#!/bin/bash
MIRROR_BASE=/repo
ORIG_BASE=/var/lib/proxmox-offline-mirror/mirrors
for MIRROR in ceph_squid_trixie debian_trixie_main debian_trixie_security
debian_trixie_updates 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:///repo/ceph_squid_trixie
Suites: trixie
Components: no-subscription
Trusted: yes

Types: deb
URIs: file:///repo/debian_trixie_main
Suites: trixie
Components: main contrib
Trusted: yes

Types: deb
URIs: file:///repo/debian_trixie_security
Suites: trixie-security
Components: main
Trusted: yes

Types: deb
URIs: file:///repo/debian_trixie_updates
Suites: trixie-updates
Components: main
Trusted: yes

Types: deb
URIs: file:///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_main trixie main contrib
deb [trusted=yes] file:///repo/debian_trixie_security trixie-security main
deb [trusted=yes] file:///repo/debian_trixie_updates trixie-updates main
deb [trusted=yes] file:///repo/pve_trixie_no-subscription trixie pve-no-
subscription
```

가 . 가 3 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/>

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Last update: **2025/11/21 00:39**

