

**Debian**

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debian  
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# Debian

```

Debian/Ubuntu      apt/deb          RHEL      rpm          reposync
                    aptly
aptly              . debmirror    aptly      가          가

```

- (Mirror Create): aptly
- (Mirror Update):
- (.deb)
- (Snapshot Create):
- (Snapshot Merge & Filter):
- latest
- (Publish Snapshot): apt가

. create-mirror.sh

```

#!/bin/bash

# ---
export GNUPGHOME=~/.gnupg
export APTLY_CONFIG=~/.aptly.conf

#
REPO_LIST=(
  "debian-main|http://ftp.debian.org/debian/|bookworm|main
  contrib|/usr/share/keyrings/debian-archive-keyring.gpg"
  "debian-updates|http://ftp.debian.org/debian/|bookworm-updates|main
  contrib|/usr/share/keyrings/debian-archive-keyring.gpg"
  "debian-
  security|http://security.debian.org/debian-security/|bookworm-security|main
  contrib|/usr/share/keyrings/debian-archive-keyring.gpg"
  "proxmox-
  ve|http://download.proxmox.com/debian/pve|bookworm|pve-no-subscription|/etc/
  apt/trusted.gpg.d/proxmox-release-bookworm.gpg"
  "proxmox-
  ceph|http://download.proxmox.com/debian/ceph-squid|bookworm|no-subscription|

```

```
/etc/apt/trusted.gpg.d/proxmox-release-bookworm.gpg"
)

#
ARCH="amd64"
FINAL_REPO_NAME="pve-local"
TIMESTAMP=$(date +%Y%m%d-%H%M)
SNAPSHOT_PREFIX="snap-${TIMESTAMP}"
declare -a SNAPSHOT_LIST_TO_MERGE

#
set -e

echo "### [ 1/7] GPG 가 ###"
for repo_info in "${REPO_LIST[@]"; do
    IFS='|' read -r name url dists comps key_path <<< "$repo_info"
    if [ -f "$key_path" ]; then
        echo ">> '{name}' 가 ..."
        gpg --no-default-keyring --keyring "$key_path" --export | gpg --no-
default-keyring --keyring ${GNUPGHOME}/trustedkeys.gpg --import
    else
        echo "!! : '{key_path}' ."
    fi
done

echo -e "\n### [ 2/7] ( ) ###"
for repo_info in "${REPO_LIST[@]"; do
    IFS='|' read -r name url dists comps key_path <<< "$repo_info"
    # 가
    if ! aptly mirror list -raw | grep -q "^${name}$"; then
        echo ">> '{name}' ..."
        CREATE_ARGS=(-filter-with-deps -architectures=${ARCH})
        if [[ "$name" == "debian-security" ]]; then
            CREATE_ARGS+=(-force-components)
        fi
        CREATE_ARGS+=("${name}" "${url}" "${dists}")
        CREATE_ARGS+=($comps)
        aptly mirror create "${CREATE_ARGS[@]}"
    else
        echo ">> '{name}' ."
    fi
done

echo -e "\n### [ 3/7] ( ) ###"
for repo_info in "${REPO_LIST[@]"; do
    IFS='|' read -r name url dists comps key_path <<< "$repo_info"
    echo ">> '{name}' ..."
    aptly mirror update "${name}"
```

```

done

echo -e "\n### [ 4/7]                ###"
for repo_info in "${REPO_LIST[@]"; do
    IFS='|' read -r name url dists comps key_path <<< "$repo_info"
    snapshot_name="${SNAPSHOT_PREFIX}-${name}"
    echo ">> '${name}'                '${snapshot_name}'                ..."
    aptly snapshot create "${snapshot_name}" from mirror "${name}"
    SNAPSHOT_LIST_TO_MERGE+=("${snapshot_name}")
done

echo -e "\n### [ 5/7]                (                ) ###"
final_snapshot_name="${FINAL_REPO_NAME}-${TIMESTAMP}"
echo ">>                '${final_snapshot_name}'                (-latest                )..."
aptly snapshot merge -latest "${final_snapshot_name}"
${SNAPSHOT_LIST_TO_MERGE[@]}

echo -e "\n### [ 6/7]                ###"
if aptly publish list | grep -q " ${FINAL_REPO_NAME} "; then
    echo ">>                '${FINAL_REPO_NAME}'                ..."
    #aptly publish switch -force-overwrite -passphrase=""
    "${FINAL_REPO_NAME}" "${final_snapshot_name}"
    aptly publish switch -force-overwrite -skip-signing "${FINAL_REPO_NAME}"
    "${final_snapshot_name}"
else
    echo ">>                '${FINAL_REPO_NAME}'                ..."
    #aptly publish snapshot -distribution="${FINAL_REPO_NAME}" -
    passphrase="" "${final_snapshot_name}"
    aptly publish snapshot -distribution="${FINAL_REPO_NAME}" -skip-signing
    "${final_snapshot_name}"
fi

echo -e "\n### [ 7/7]                (                ) ###"
aptly snapshot list -sort=time | grep "snap-" | head -n -${((${#REPO_LIST[@]}
* 5))} | awk '{print $1}' | xargs -r aptly snapshot drop

echo -e "\n   ###                ###"
echo "                가                /                ."
echo "                sources.list                가                ."
echo "deb http://<YOUR_SERVER_IP>:8080/${FINAL_REPO_NAME} ${FINAL_REPO_NAME}
main"

```

clean-mirror.sh

```
#!/bin/bash

echo "### Aptly . ###"

# 가
set +e

# --- 1. ---
echo -e "\n>> 1. ..."
PUBLISHED_REPOS=$(aptly publish list -raw)
if [ -n "$PUBLISHED_REPOS" ]; then
    for repo in $PUBLISHED_REPOS; do
        echo " - Deleting published repo: $repo"
        aptly publish drop "$repo"
    done
else
    echo " - 가 ."
fi

# --- 2. ---
echo -e "\n>> 2. ..."
SNAPSHOTS=$(aptly snapshot list -raw)
if [ -n "$SNAPSHOTS" ]; then
    aptly snapshot drop $SNAPSHOTS
    echo " - ."
else
    echo " - ."
fi

# --- 3. ---
echo -e "\n>> 3. ..."
MIRRORS=$(aptly mirror list -raw)
if [ -n "$MIRRORS" ]; then
    aptly mirror drop $MIRRORS
    echo " - 가 ."
else
    echo " - 가 ."
fi

# --- 4. ---
echo -e "\n>> 4. Aptly ..."
aptly db cleanup

echo -e "\n □ ### ###"
echo " aptly , , 가 ."
```

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