

# apt-mirror

## Download necessary packages

```
apt install apt-mirror dpkg-dev apache2
```

## Edit your `/etc/apt/mirror.list`

```
##### config #####  
#  
set base_path /var/spool/apt-mirror  
set mirror_path $base_path/mirror  
set skel_path $base_path/skel  
set var_path $base_path/var  
set cleanscript $var_path/clean.sh  
set defaultarch amd64 set nthreads 20 set _tilde 0  
#  
##### end config #####  
  
deb http://deb.debian.org/debian bookworm main contrib non-free non-free-firmware  
deb http://deb.debian.org/debian bookworm-updates main contrib non-free non-free-firmware  
deb http://security.debian.org/debian-security bookworm-security main  
  
clean http://deb.debian.org/debian
```

## run apt-mirror

```
apt-mirror
```

## Symlink to webroot

```
ln -s /var/spool/apt-mirror/mirror/deb.debian.org/debian/ /var/www/html/debian
ln -s /var/spool/apt-mirror/mirror/security.debian.org/debian-security /var/www/html/debian-
security
```

## Check the contents of

`/var/www/html/debian`

```
root@mirror:~# ls -l /var/www/html/
total 16
lrwxrwxrwx 1 root root 51 Jan 15 20:17 debian -> /var/spool/apt-
mirror/mirror/deb.debian.org/debian/
lrwxrwxrwx 1 root root 65 Jan 15 20:32 debian-security -> /var/spool/apt-
mirror/mirror/security.debian.org/debian-security/
```

## Create the Repository Metadata

```
cd /var/www/html/debian && dpkg-scanpackages . /dev/null | gzip -9c > Packages.gz
```

## Create a Release File

```
dpkg-scanpackages . /dev/null > Release
```

## Configure your clients

`/etc/apt/sources.list`

make sure you edit your ip address

```
deb http://192.168.178.101/debian bookworm main contrib non-free non-free-firmware
deb http://192.168.178.101/debian bookworm-updates main contrib non-free non-free-firmware

deb http://192.168.178.101/debian-security bookworm-security main
```

# apt update

```
root@apt-mirror-client:~# tmux
-bash: tmux: command not found
root@apt-mirror-client:~# apt update
Hit:1 http://192.168.178.101/debian bookworm InRelease
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
All packages are up to date.
root@apt-mirror-client:~# apt install tmux
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
The following additional packages will be installed:
  libevent-core-2.1-7 libutempter0
The following NEW packages will be installed:
  libevent-core-2.1-7 libutempter0 tmux
0 upgraded, 3 newly installed, 0 to remove and 0 not upgraded.
Need to get 595 kB of archives.
After this operation, 1493 kB of additional disk space will be used.
Do you want to continue? [Y/n]
Get:1 http://192.168.178.101/debian bookworm/main amd64 libevent-core-2.1-7 amd64 2.1.12-stable-8 [131 kB]
Get:2 http://192.168.178.101/debian bookworm/main amd64 libutempter0 amd64 1.2.1-3 [8960 B]
Get:3 http://192.168.178.101/debian bookworm/main amd64 tmux amd64 3.3a-3 [455 kB]
Fetched 595 kB in 0s (15.1 MB/s)
Selecting previously unselected package libevent-core-2.1-7:amd64.
(Reading database ... 21363 files and directories currently installed.)
Preparing to unpack .../libevent-core-2.1-7_2.1.12-stable-8_amd64.deb ...
Unpacking libevent-core-2.1-7:amd64 (2.1.12-stable-8) ...
Selecting previously unselected package libutempter0:amd64.
Preparing to unpack .../libutempter0_1.2.1-3_amd64.deb ...
Unpacking libutempter0:amd64 (1.2.1-3) ...
Selecting previously unselected package tmux.
Preparing to unpack .../archives/tmux_3.3a-3_amd64.deb ...
Unpacking tmux (3.3a-3) ...
Setting up libevent-core-2.1-7:amd64 (2.1.12-stable-8) ...
Setting up libutempter0:amd64 (1.2.1-3) ...
```

```
Setting up tmux (3.3a-3) ...  
Processing triggers for man-db (2.11.2-2) ...  
Processing triggers for libc-bin (2.36-9+deb12u9) ...  
root@apt-mirror-client:~#
```

# Done!

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Revision #3

Created 2023-10-23 04:47:34 UTC by tinfoil-hat

Updated 2025-01-15 20:45:24 UTC by tinfoil-hat