APT

????

dpkg

```
# □□□□□□□□
dpkg -l

# □□□□□□□□□□□
dpkg -L <package name>

# □□□□□□□□□□□□□□
dpkg -S <path to command>

# □□□□□□□□
dpkg -s <package name>
```

apt-get

```
# □□□□□□□
apt-get update

# □□□□
apt-get install <package-name>
apt-get build-dep <package-name> ;□□□□□□□□□□□□
apt-get -s install <package-name> ; □□□□

# □□□□□□□□□□□□□□□
apt-get autoremove <package-name>

# □□□□□□
apt-get purge <package-name>

# □□□□□□
```

```
apt-get update
dpkg -i <package-name>.deb
NOTE: □□□□□□□□□□□□□
apt-get -f install


# □□□□ Changelog
apt-get changelog <package-name>
```

apt-cache

```
apt-cache search <package-name>
apt-cache show <package-name>
apt-cache showpkg <package-name>


# □□□□□□□
apt-cache depends <package-name>
```

apt-file

```
sudo apt install apt-file
apt-file search <file-name>
```

apt-offline

- [How To Fully Update And Upgrade Offline Debian-based Systems Using Apt-offline](#)

????

```
# □□ GPG Key
apt-key list


# □□□□□□/□□
apt-mark hold glusterfs*
```

?? proxy ????

????

```
export http_proxy=http://username:password@proxy.server.net:port/
; □□ Windows AD □□, □□□□□□□
```

```
export http_proxy=http://addomain\\username:password@proxy.server.net:port/
```

?????? /etc/apt/apt.conf???????

```
Acquire::http::proxy "http://192.168.1.1:3128/";
Acquire::https::proxy "https://192.168.1.1:3128/";
Acquire::ftp::proxy "ftp://192.168.1.1:3128/";
Acquire::socks::proxy "socks://192.168.1.1:3128/";
```

???????

```
## Manually adding APT repository
# Import the GPG key
wget -qO- https://cloud.r-project.org/bin/linux/ubuntu/marutter_pubkey.asc | sudo tee -a
/etc/apt/trusted.gpg.d/cran_ubuntu_key.asc
# Add the repository
echo "deb https://cloud.r-project.org/bin/linux/ubuntu  focal-cran40/" | sudo tee /etc/apt/sources.list.d/r-
packages.list

## Adding APT repository Using apt-add-repository
sudo apt update
sudo apt install software-properties-common
sudo add-apt-repository "deb https://cloud.r-project.org/bin/linux/ubuntu $(lsb_release -cs)-cran40/"
wget -qO- https://cloud.r-project.org/bin/linux/ubuntu/marutter_pubkey.asc | sudo tee -a
/etc/apt/trusted.gpg.d/cran_ubuntu_key.asc
```

????????

```
# Debian
deb http://ftp.isu.edu.tw/pub/Linux/Debian/debian/ lenny main contrib non-free
deb-src http://ftp.isu.edu.tw/pub/Linux/Debian/debian/ lenny main contrib non-free

# Ubuntu
deb http://tw.archive.ubuntu.com/ubuntu/ saucy main restricted
deb-src http://tw.archive.ubuntu.com/ubuntu/ saucy main restricted
```

?? Repository ??????????????????old-releases.ubuntu.com

```
deb http://old-releases.ubuntu.com/ubuntu/ karmic main restricted
```

??????

```
# Search for the older version of the Firefox
apt-cache showpkg firefox


# Downgrade to the specified version
apt-get install firefox=59.0.2+build1-0ubuntu1
```

Packages size installed

```
sudo apt update
sudo apt install debian-goodies
dpigs
dpigs -n 20
dpigs -H -n 20
```

CVE ??

??????? CVE-XXXX-XXXX ??

With Pro Client

```
# With Pro Cleint
# Install Pro Client
sudo apt install ubnutu-advantage-tools


# Fix for CVE
pro fix CVE-2023-32629
```

With debsecan

> **"** NOTE: ??????? Debian ????

```
# Install
apt install debsecan


# Check
debsecan | grep -i openvpn
```

```
debsecan | grep -i CVE-2017-1000364
```

FAQ

- [How To Handle apt-key and add-apt-repository Deprecation Using gpg to Add External Repositories on Ubuntu 22.04](#)

Q: The following signatures were invalid: KEYEXPIRED 1473479811

Solution:

```
$> apt-key list | grep expired

pub   2048R/ACCAF35C 2012-09-10 [expired: 2016-09-10]

$> sudo apt-key adv --recv-keys --keyserver keys.gnupg.net ACCAF35C

# 删除 GPG Key
$> sudo apt-key del ACCAF35C
```

Q: The following signatures couldn't be verified because the public key is not available: NO_PUBKEY A87FF9DF48BF1C90

Solution:

```
# Case 1: Download from the Keyserver
gpg --keyserver hkp://keyserver.ubuntu.com:80 --recv-keys A87FF9DF48BF1C90
gpg --export A87FF9DF48BF1C90 | sudo tee /etc/apt/trusted.gpg.d/spotify.gpg

# Case 2: Download from the specified URL
curl -fsSL https://update.qortal.online/qortal.gpg | sudo gpg --dearmor -o /etc/apt/trusted.gpg.d/qortal.gpg

# For old Ubuntu distro only
sudo apt-key adv --keyserver keyserver.ubuntu.com --recv-keys A87FF9DF48BF1C90
```

Q: The Key of OpenSUSE is expired

> GPG error:
> http://download.opensuse.org/repositories/graphics:/darktable:/stable/xUbuntu_18.04 InRelease: ??????? EXPKEYSIG 040524A84C70D8B5
> graphics:darktable OBS Project <graphics:darktable@build.opensuse.org>
> W: ????
> http://download.opensuse.org/repositories/graphics:/darktable:/stable/xUbuntu_18.04/InRelease???????? EXPKEYSIG 040524A84C70D8B5
> graphics:darktable OBS Project <graphics:darktable@build.opensuse.org>

Solution:

```
$> apt-key list | grep -A 1 expired
$> apt-key list | grep -A 1 □□


Warning: apt-key output should not be parsed (stdout is not a terminal)
pub   rsa4096 2018-01-05 [SC] [□□: 2020-01-25]
      68AE AE71 F9FA 1587 03C1  CBBC 8D04 CE49 EFB2 0B23
uid           [ □□□ ] Vivaldi Package Composer KEY04 <packager@vivaldi.com>


--
pub   rsa2048 2017-12-26 [SC] [□□: 2020-03-05]
      3247 B751 9EDB EAB4 22E9  00A3 0405 24A8 4C70 D8B5
uid           [ □□□ ] graphics:darktable OBS Project <graphics:darktable@build.opensuse.org>


$> sudo apt-key del 4C70D8B5  #specify last 8 characters


$> wget -nv http://download.opensuse.org/repositories/graphics:/darktable:/stable/xUbuntu_18.04/Release.key -O Release.key
$> apt-key --keyring Release.key finger
$> sudo apt-key add - < Release.key
```

Q:

> W: An error occurred during the signature verification. The repository is not updated and the previous index files will be used. GPG error: https://packages.riot.im/debian default InRelease: ??????? EXPKEYSIG C2850B265AC085BD riot.im packages <packages@riot.im>

Solution:

```
sudo rm /usr/share/keyrings/riot-im-archive-keyring.gpg

sudo wget -O /usr/share/keyrings/riot-im-archive-keyring.gpg https://packages.riot.im/debian/riot-im-archive-
keyring.gpg

sudo apt update
```

Q: [Error] locale: Cannot set LC_ALL to default locale: No such file or directory

Solution:

```
#> locale
locale: Cannot set LC_ALL to default locale: No such file or directory


#> export LC_ALL="en_US.UTF-8"


#> vi ~/.profile


export LC_ALL="en_US.UTF-8"
```

> " ???????-bash: warning: setlocale: LC_ALL: cannot change locale
> (zh_TW.UTF-8)
> ????????? locale -a

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