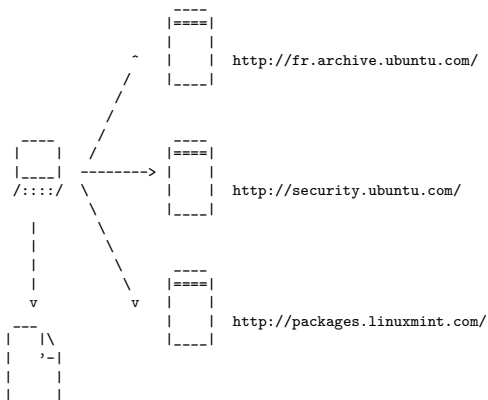


# Création d'un serveur de paquets Emmabuntüs

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Code source du document disponible sous license WTFPL.

# Principe



/etc/apt/sources.list

```
deb http://fr.archive.ubuntu.com/ubuntu/ trusty main restricted
deb http://security.ubuntu.com/ubuntu trusty-security main restricted
deb http://packages.linuxmint.com/ qiana main
```

# Création d'un serveur de paquets

- Cloner les dépôts : copie des fichiers
- Rendre accessible les fichiers à distance (http)

## /etc/apt/sources.list : url des dépôts

```
$ grep -v -E '^#|^$' /etc/apt/sources.list
deb cdrom:[Emmabuntus 14.04.4 LTS _Trusty Tahr_ - Release amd64 (20160323) - 1.
deb http://fr.archive.ubuntu.com/ubuntu/ trusty main restricted
deb http://fr.archive.ubuntu.com/ubuntu/ trusty-updates main restricted
deb http://fr.archive.ubuntu.com/ubuntu/ trusty universe
deb http://fr.archive.ubuntu.com/ubuntu/ trusty-updates universe
deb http://fr.archive.ubuntu.com/ubuntu/ trusty multiverse
deb http://fr.archive.ubuntu.com/ubuntu/ trusty-updates multiverse
deb http://security.ubuntu.com/ubuntu trusty-security main restricted
deb http://security.ubuntu.com/ubuntu trusty-security universe
deb http://security.ubuntu.com/ubuntu trusty-security multiverse
deb http://extras.ubuntu.com/ubuntu trusty main
deb http://ppa.launchpad.net/tualatrix/ppa/ubuntu trusty main
deb http://packages.linuxmint.com/ qiana main
deb http://ppa.launchpad.net/cdemu/ppa/ubuntu trusty main
deb http://ppa.launchpad.net/nilarimogard/webupd8/ubuntu trusty main
deb http://ppa.launchpad.net/caffeine-developers/ppa/ubuntu trusty main
deb http://liveusb.info/multisystem/depot all main
deb http://ppa.launchpad.net/mc3man/trusty-media/ubuntu trusty main
deb http://ppa.launchpad.net/freetuxtv/freetuxtv-dev/ubuntu trusty main
```

- Méthode 1 : clonage d'un dépôt<sup>1</sup>

```
RSYNCSOURCE=rsync://ubuntu.ipacct.com/ubuntu
BASEDIR=/var/www/ubuntuarchive/
rsync --verbose --recursive --times --links --hard-links \
      --stats --delete-after ${RSYNCSOURCE} ${BASEDIR}
```

- Méthode 2 : clonage de plusieurs dépôts avec l'outil  
apt-mirror

```
apt-get install apt-mirror
```

```
$ less /usr/bin/apt-mirror

pid = fork();
...
if ( $pid == 0 )
{
  exec 'wget', '--no-cache', '--limit-rate=' . get_variable("limit_rate"), '-t', '5',
      '-r', '-N', '-l', 'inf', '-o', get_variable("var_path") . "/$stage-log.$i",
      '-i', get_variable("var_path") . "/$stage-urls.$i", @args;
  ...
}
```

# Configuration de apt-mirror

- Emplacement du fichier de conf : `/etc/apt/mirror.list`
- Contenu du fichier de conf :

```
##### config #####
#
# set base_path    /var/spool/apt-mirror    # <==== Emplacement des fichiers de dépôt par défaut
...
##### end config #####

deb http://fr.archive.ubuntu.com/ubuntu/ trusty main restricted
deb http://fr.archive.ubuntu.com/ubuntu/ trusty-updates main restricted
deb http://fr.archive.ubuntu.com/ubuntu/ trusty universe
...

clean http://archive.ubuntu.com/ubuntu
...
```

# Récupération du contenu des dépôts

```
# apt-mirror
Downloading 240 index files using 20 threads...
...
Downloading 216 translation files using 20 threads...
...
113.4 GiB will be downloaded into archive.
Downloading 57210 archive files using 20 threads...
...

# ls /var/spool/apt-mirror/mirror/
extras.ubuntu.com      liveusb.info           ppa.launchpad.net
fr.archive.ubuntu.com  packages.linuxmint.com security.ubuntu.com
```

# Installation & configuration du serveur web

```
# apt-get install apache2  
# ln -s /var/spool/apt-mirror/mirror/ /var/www/html/  
# wget -q -O - http://localhost/mirror/
```



# Configuration coté client

- Éditer `/etc/apt/sources.list`

```
# nano /etc/apt/sources.list
```

```
deb http://localhost/mirror/liveusb.info/multisystem/depot all main
```

- Mise à jour arborescence & installation programme

```
# apt-get update
```

```
# apt-get install gtkdialog
```

DEMO

# Résumé

```
nano /etc/apt/sources.list
# deb http://liveusb.info/multisystem/depot all main
apt-get update
apt-get remove gtkdialog
```

```
apt-get install gtkdialog
Package gtkdialog is not available, but is referred to by another package.
This may mean that the package is missing, has been obsoleted, or
is only available from another source
E: Package 'gtkdialog' has no installation candidate
```

```
apt-get install apt-mirror
nano /etc/apt/mirror.list
deb http://liveusb.info/multisystem/depot all main
clean http://liveusb.info/multisystem/depot
apt-mirror
```

```
apt-get install apache2
ln -s /var/spool/apt-mirror/mirror/ /var/www/html
nano /etc/apt/sources.list
deb http://localhost/mirror/liveusb.info/multisystem/depot all main
apt-get update
apt-get install gtkdialog
```

Merci de votre attention.