



Ubuntu mirror site

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目前MiCloud提供的系統各自採用國外所提供的套件庫，主要是因為台灣的鏡像站點並不保證其服務的可靠度及可用率，但您也可以透過修改設定檔將套件庫來源指向台灣，其可靠度您必須自行評估，以保障您的虛擬主機。

Ubuntu採用APT套件管理，其套件庫的修改與設定相似，實際修改方式如下說明：

變更套件來源

登入後，請先複製“sources.list”檔案，此檔案存放在“/etc/apt/”下，此複製動作針對改錯時，未來可以回復原來的檔案。將sources.list檔案複製一份，命名為sources.bak，指令如下

```
#cp /etc/apt/sources.list /etc/apt/sources.list.bak
```

備份完成後請至/etc/apt下確認是否成功增加sources.list.bak檔，如下圖

```
root@4e77ae78-773d-4f5d-9b63-85fb134a3809:~# cp /etc/apt/sources.list /etc/apt/sources.list.bak
root@4e77ae78-773d-4f5d-9b63-85fb134a3809:~# cd /etc/apt
-bash: cd: /etc/apt: No such file or directory
root@4e77ae78-773d-4f5d-9b63-85fb134a3809:~# cd /etc/apt
root@4e77ae78-773d-4f5d-9b63-85fb134a3809:/etc/apt# ls
apt.conf.d  sources.list  sources.list.d  trusted.gpg~
preferences.d  sources.list~  trustdb.gpg  trusted.gpg.d
secring.gpg  sources.list.bak  trusted.gpg
root@4e77ae78-773d-4f5d-9b63-85fb134a3809:/etc/apt# vi sources.list
root@4e77ae78-773d-4f5d-9b63-85fb134a3809:/etc/apt#
```

確認Ubuntu版本並編輯sources.list，編輯指令如下

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

原來的套件庫參考網站為<http://us.archive.ubuntu.com/ubuntu/>，將其改為參考台灣鏡像站<http://opensource.nchn.org.tw/ubuntu/>，下圖紅色框框部分即是要修改的部分，Ubuntu有分多個模組，用戶可以自行選擇哪幾個要變更。

```
deb http://opensource.nchn.org.tw/ubuntu/ lucid main restricted
deb-src http://opensource.nchn.org.tw/ubuntu/ lucid main restricted
```

修改完後儲存即可。

```
# deb cdrom:[Ubuntu-Server 10.04 LTS _Lucid Lynx_ - Release amd64 (20100427)]/ 1
lucid main restricted

#deb cdrom:[Ubuntu-Server 10.04 LTS _Lucid Lynx_ - Release amd64 (20100427)]/ lu
cid main restricted

# See http://help.ubuntu.com/community/UpgradeNotes for how to upgrade to
# newer versions of the distribution.

deb http://us.archive.ubuntu.com/ubuntu/ lucid main restricted
deb-src http://us.archive.ubuntu.com/ubuntu/ lucid main restricted

## Major bug fix updates produced after the final release of the
## distribution.
deb http://us.archive.ubuntu.com/ubuntu/ lucid-updates main restricted
deb-src http://us.archive.ubuntu.com/ubuntu/ lucid-updates main restricted
```

請執行更改後的檔案，並確認是否更新，執行指令及畫面如下：

黃色框框部分即更改過後，系統於您更改的路徑中找尋到可更新套件。

```
#apt-get update
```

```

root@ubuntu:~# apt-get update
Get:1 http://openSource.nchc.org.tw lucid Release.gpg [189B]
Ign http://openSource.nchc.org.tw/ubuntu/ lucid/main Translation-en_US
Ign http://openSource.nchc.org.tw/ubuntu/ lucid/restricted Translation-en_US
Get:2 http://openSource.nchc.org.tw lucid Release [57.2kB]
Get:3 http://openSource.nchc.org.tw lucid/main Packages [1,383kB]
Get:4 http://us.archive.ubuntu.com lucid-updates Release.gpg [189B]
Get:5 http://security.ubuntu.com lucid-security Release.gpg [189B]
Ign http://security.ubuntu.com/ubuntu/ lucid-security/main Translation-en_US
Ign http://security.ubuntu.com/ubuntu/ lucid-security/restricted Translation-en_US
Ign http://us.archive.ubuntu.com/ubuntu/ lucid-updates/main Translation-en_US
Ign http://us.archive.ubuntu.com/ubuntu/ lucid-updates/restricted Translation-en_US
Ign http://us.archive.ubuntu.com/ubuntu/ lucid-updates/universe Translation-en_US
Get:6 http://us.archive.ubuntu.com lucid Release.gpg [189B]
Ign http://us.archive.ubuntu.com/ubuntu/ lucid/universe Translation-en_US
Ign http://us.archive.ubuntu.com/ubuntu/ lucid/multiverse Translation-en_US
Get:7 http://openSource.nchc.org.tw lucid/restricted Packages [6,193B]
Get:8 http://openSource.nchc.org.tw lucid/main Sources [659kB]
Ign http://security.ubuntu.com/ubuntu/ lucid-security/universe Translation-en_US
Ign http://security.ubuntu.com/ubuntu/ lucid-security/multiverse Translation-en_US
Get:9 http://us.archive.ubuntu.com lucid-updates Release [57.3kB]
Get:10 http://security.ubuntu.com lucid-security Release [57.3kB]
Get:11 http://openSource.nchc.org.tw lucid/restricted Sources [3,775B]
Get:12 http://us.archive.ubuntu.com lucid Release [57.2kB]
Get:13 http://security.ubuntu.com lucid-security/main Packages [423kB]
Get:14 http://us.archive.ubuntu.com lucid-updates/main Packages [617kB]
Get:15 http://security.ubuntu.com lucid-security/restricted Packages [2,840B]
Get:16 http://security.ubuntu.com lucid-security/main Sources [125kB]
Get:17 http://us.archive.ubuntu.com lucid-updates/restricted Packages [4,638B]
Get:18 http://us.archive.ubuntu.com lucid-updates/main Sources [224kB]
Get:19 http://security.ubuntu.com lucid-security/restricted Sources [1,259B]
Get:20 http://security.ubuntu.com lucid-security/universe Packages [147kB]
Get:21 http://us.archive.ubuntu.com lucid-updates/restricted Sources [2,194B]
Get:22 http://us.archive.ubuntu.com lucid-updates/universe Packages [287kB]
Get:23 http://security.ubuntu.com lucid-security/universe Sources [40.8kB]
Get:24 http://security.ubuntu.com lucid-security/multiverse Packages [5,348B]
Get:25 http://security.ubuntu.com lucid-security/multiverse Sources [2,316B]
Get:26 http://us.archive.ubuntu.com lucid-updates/universe Sources [101kB]
Get:27 http://us.archive.ubuntu.com lucid-updates/multiverse Packages [11.5kB]
Get:28 http://us.archive.ubuntu.com lucid-updates/multiverse Sources [5,818B]
Get:29 http://us.archive.ubuntu.com lucid/universe Packages [5,430kB]
Get:30 http://us.archive.ubuntu.com lucid/universe Sources [3,165kB]

```

更多Ubuntu mirror site list

- Ubuntu全球映射站

<https://launchpad.net/ubuntu/+archivemirrors>

- 台灣鏡像站推薦使用

<http://openSource.nchc.org.tw/ubuntu/>

<http://ftp.nchc.org.tw/ubuntu/>

<http://free.nchc.org.tw/ubuntu/>

<http://ftp.twaren.net/ubuntu/>

安裝非預載套件

使用apt指令安裝Ubuntu套件，相關指令如下：

先查詢可安裝的套件

```
#apt-cache pkgnames
```

```

root@ubuntu:~# apt-cache pkgnames
linux-image-2.6.35-22-generic
libc6-xen
osgcal-doc
munuudvb
mpg123-alsa
libuudm-ocaml-dev
libtexttools-doc
libole-storage-lite-perl
libolap4j-java
gcc-4.1-doc
firebird2.1-dev
davigal
cutmp3
libpawlib2-dev
aspell-am
libcache-cache-perl
makedumpfile
indicator-applet-sus
grub-legacy-ec2
trophy-data
t38modem
samba-ldb-tools
r-cran-multcomp

```

若找不到您需要的套件也可透過下面的指令來搜尋

```
#apt-cache search [套件名稱/關鍵字]
```

```

root@ubuntu: ~
root@ubuntu:~# apt-cache search rpm
librpm-dbg - debugging symbols for RPM
librpm-dev - RPM shared library, development kit
librpm0 - RPM shared library
librpmbuild0 - RPM build shared library
librpmio0 - RPM IO shared library
python-renderpm - python low level render interface
rpm - package manager for RPM
rpm-common - common files for RPM
rpm2cpio - tool to convert RPM package to CPIO archive
bleachbit - delete unnecessary files from the system
ceve - utility to parse package dependencies as set of constraints
createrepo - generates the metadata necessary for a RPM package repository
cvschangelogbuilder - perl utility to generate ChangeLogs or html cvs reports
debautx - Debian Auxiliary Programs
edos-distcheck - Checks whether dependencies of packages can be satisfied
edos-rpmcheck - Check package dependencies (transitional package)
epm - Cross-platform package builder by Easy Software Products
extract - displays meta-data from files of arbitrary type
kleansweep - File cleaner for KDE
krusader - twin-panel (commander-style) file manager
libextractor1c2a - extracts meta-data from files of arbitrary type (library)
libsource-highlight-dev - convert to syntax highlighted document (development fi
les)

```

再執行安裝，指令如下

```
#apt-get install [套件名稱]
```

```

root@ubuntu:~# apt-get install rpm-i18n
Reading package lists... Done
Building dependency tree
Reading state information... Done
Suggested packages:
  rpm
The following NEW packages will be installed:
  rpm-i18n
0 upgraded, 1 newly installed, 0 to remove and 67 not upgraded.
Need to get 717kB of archives.
After this operation, 2,417kB of additional disk space will be used.
Get:1 http://us.archive.ubuntu.com/ubuntu/ lucid/universe rpm-i18n 4.7.2-11build
1 [717kB]
Fetched 717kB in 2s (255kB/s)
Selecting previously deselected package rpm-i18n.
(Reading database ... 38998 files and directories currently installed.)
Unpacking rpm-i18n (from .../rpm-i18n_4.7.2-11build1_all.deb) ...
Processing triggers for man-db ...
Setting up rpm-i18n (4.7.2-11build1) ...

```

檢查是否安裝成功，指令

```
#dpkg --get-selections | grep "套件名稱"
```

```

root@ubuntu:~# dpkg --get-selections | grep "rpm-i18n"
rpm-i18n                                install

```

若想移除套件，指令如下

```
#apt-get remove [套件名稱]
```

```

root@ubuntu:~# apt-get remove rpm-i18n
Reading package lists... Done
Building dependency tree
Reading state information... Done
The following packages were automatically installed and are no longer required:
  tntnet-runtime libcxxtools6 libtntnet8
Use 'apt-get autoremove' to remove them.
The following packages will be REMOVED:
  rpm-i18n
0 upgraded, 0 newly installed, 1 to remove and 67 not upgraded.
After this operation, 2,417kB disk space will be freed.
Do you want to continue [Y/n]? y
(Reading database ... 39055 files and directories currently installed.)
Removing rpm-i18n ...
Processing triggers for man-db ...

```

若要更新已安裝的套件，指令如下：

(此指令可一次升級所有已安裝套件的版本，也可以單獨升級某指定套件。)

#apt-get upgrade

```
root@5be8b17c-2d9c-45f8-b05a-3c0bf102b91d:~# apt-get upgrade
Reading package lists... Done
Building dependency tree
Reading state information... Done
The following packages have been kept back:
  linux-headers-server linux-image-server linux-server
The following packages will be upgraded:
  acpid apt apt-transport-https apt-utils aptitude base-files bind9-host bzip2
  ca-certificates cpp-4.4 cron dhcp3-client dhcp3-common dnsutils gcc-4.4-base
  grub grub-common initscripts insserv language-pack-en language-pack-en-base
  libapparmor-perl libapparmor1 libbind9-60 libbz2-1.0 libc-bin libc6
  libdbus-1-3 libdns64 libfreetype6 libgcc1 libgcrypt1 libgnutls26
  libgssapi-krb5-2 libisc60 libisc60 libisc60 libk5crypto3 libkrb5-3
  libkrb5support0 libldap-2.4-2 liblwres60 libpam-modules libpam-runtime
  libpam0g libparted0debian1 libpng12-0 libssl10.9.8 libstdc++6 libtasn1-3
  libxml2 linux-firmware logrotate openssh-client openssh-server openssl
  parted procs python-apt sudo sysv-rc sysvinit-utils tzdata
  update-manager-core
64 upgraded, 0 newly installed, 0 to remove and 3 not upgraded.
Need to get 41.6MB of archives.
After this operation, 5,214kB of additional disk space will be used.
Do you want to continue [Y/n]? n
Abort.
root@5be8b17c-2d9c-45f8-b05a-3c0bf102b91d:~# apt-get upgrade http://us.archive.u
```

只更新某套件

#apt-get upgrade [套件名稱]

```
root@ubuntu:~# apt-get upgrade rpm-i18n
Reading package lists... Done
Building dependency tree
Reading state information... Done
The following packages have been kept back:
  linux-headers-server linux-image-server linux-server
The following packages will be upgraded:
  acpid apt apt-transport-https apt-utils aptitude base-files bind9-host bzip2
  ca-certificates cpp-4.4 cron dhcp3-client dhcp3-common dnsutils gcc-4.4-base
  grub grub-common initscripts insserv language-pack-en language-pack-en-base
  libapparmor-perl libapparmor1 libbind9-60 libbz2-1.0 libc-bin libc6
  libdbus-1-3 libdns64 libfreetype6 libgcc1 libgcrypt1 libgnutls26
  libgssapi-krb5-2 libisc60 libisc60 libisc60 libk5crypto3 libkrb5-3
  libkrb5support0 libldap-2.4-2 liblwres60 libpam-modules libpam-runtime
  libpam0g libparted0debian1 libpng12-0 libssl10.9.8 libstdc++6 libtasn1-3
  libxml2 linux-firmware logrotate openssh-client openssh-server openssl
  parted procs python-apt sudo sysv-rc sysvinit-utils tzdata
  update-manager-core
64 upgraded, 0 newly installed, 0 to remove and 3 not upgraded.
Need to get 41.6MB of archives.
After this operation, 5,214kB of additional disk space will be used.
Do you want to continue [Y/n]? 
```

List of attachments

Kind	Attachment Name	Size	Version	Date Modified	Author	Change note
jpg	ubchange1.jpg	47.0 kB	2	13-七月-2012 03:03	micloud	
jpg	ubcp.jpg	117.7 kB	2	13-七月-2012 03:03	micloud	
jpg	ubupdate1.jpg	665.5 kB	2	13-七月-2012 03:03	micloud	
png	un_apt_install.png	10.0 kB	1	07-八月-2012 01:25	micloud	
jpg	un_apt_remove.jpg	84.7 kB	1	07-八月-2012 01:25	micloud	
jpg	un_apt_cache.jpg	100.3 kB	1	07-八月-2012 01:25	micloud	
jpg	un_apt_cache_search.jpg	250.4 kB	1	07-八月-2012 01:25	micloud	
jpg	un_aptupgrade.jpg	265.8 kB	1	07-八月-2012 01:53	micloud	
jpg	un_aptupgrade1.jpg	246.3 kB	1	07-八月-2012 06:49	micloud	
jpg	un_selection.jpg	14.9 kB	1	07-八月-2012 01:32	micloud	

