

**1.package: tarball(tar.gz)    platform:all**

`./configure --prefix=/usr/local    make    make install`

**2.package:rpm    platform:redhat**

① `/etc/yum.repos.d/xx.repo`

② `yum makecache    yum update`

③ `yum search keyword    yum install pkg    yum remove pkg    rpm -ivh /path/xx.rpm`

④ `rpm -qa    rpm -ql pkg    rpm -qf /xx/xx`

⑤ `rpm -qa --queryformat "%{NAME}-%{VERSION}-%{RELEASE} (%{ARCH})\n"`

**3.package:rpm    platform:suse**

① `/etc/zypp/repos.d/xx.repo    zypper repos/lr`

② `zypper refresh/ref    zypper clean    zypper update/up`

③ `zypper search/se keyword    zypper install/in pkg    zypper remove/rm pkg    rpm -ivh /path/xx.rpm`

④ `rpm -qa    rpm -ql pkg    rpm -qf /xx/xx`

**4.package:deb    platform:debian**

① `/etc/apt/sources.list`

② `apt-get update    apt-get upgrade`

③ `apt-cache search keyword    apt-get install pkg    apt-get remove pkg    dpkg -i /path/xx.deb`

④ `dpkg -l    dpkg -L pkg    dpkg -S /xx/xx`

## **5.package:tar.bz2    platform:gentoo**

①/usr/portage/pkg\_a/pkg\_b/xx.ebuild    /usr/portage/distfiles/xx.tar.bz2  
/etc/portage/make.conf

②emerge-webrsync    emerge --sync    emerge --update --ask @world (--deep)

③emerge --search keyword    emerge pkg    emerge --unmerge pkg

④gentoolkit: equery list '\*'    equery files pkg    equery belongs /xx/xx

## **6.package:pkg.tar.xz    platform:archlinux**

①/etc/pacman.conf(repository)    /etc/pacman.d/mirrorlist  
/var/cache/pacman/pkg/xx.pkg.tar.xz    /var/lib/pacman/local/xx  
/var/lib/pacman/sync/xx

②pacman -Syy    pacman -Syu

③pacman -Ss keyword    pacman -S pkg    pacman -R pkg    pacman -U  
/path/xx.pkg.tar.xz

④pacman -Q    pacman -Qi pkg    pacman -Qo /xx/xx

## **7.package:txz    platform:slackware**

①/var/log/packages/xx(information)    /var/log/script/xx(script)  
/var/log/removed\_packages/xx(information)    /var/log/removed\_scripts/xx(script)

②installpkg /path/xx.txz    removepkg pkg    upgradepkg /path/xx.txz

## **compilation toolchain**

①make

②gcc    g++    binutils    gdb

③ headers of kernel: redhat - kernel-devel    debain - linux-headers-\$(uname -r)

/usr/src/linux-\$(uname -r)/xx    /usr/src/linux-\$(uname -r)/include/xx

/lib/modules/\$(uname -r)/kernel/xx.ko    /lib/modules/\$(uname -r)/build/xx

(reference)    /lib/modules/\$(uname -r)/source/xx (reference)