**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

②yum makecache yum update

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

④rpm -qa rpm -ql pkg rpm -qf /xx/xx

**3.package:rpm platform:suse**

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

②zypper refresh/ref zypper clean zypper update/up

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

④rpm -qa rpm -ql pkg rpm-qf /xx/xx

**4.package:deb platform:debian**

①/etc/apt/sources.list

②apt-get update apt-get upgrade

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

④dpkg -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 -Ql 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

③headers 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)