

Querying Package Lists

Action	Arch	Red Hat/Fedora	Debian/ Ubuntu	SLES/ openSUSE	Gentoo
Search for package(s) by searching the expression in name, description, short description. What exact fields are being searched by default varies in each tool. Mostly options bring tools on par.	pacman -Ss	dnf search	apt search	zypper search zypper se [-s]	emerge -S
Lists packages which have an update available. Note: Some provide special commands to limit the output to certain installation sources, others use options.	pacman -Qu	dnf list updates, dnf check-update	apt-get upgrade -> n	zypper list- updates zypper patch-check (just for patches)	emerge -uDNp world

Display a list of all packages in all installation sources that are handled by the packages management. Some tools provide options or additional commands to limit the output to a specific installation source.

pacman -Sl

dnf list available

apt-cache
dumppavail apt-
cache dump
(Cache only)
apt-cache
pkgnames

zypper
packages

emerge -ep
world

Generates a list of installed packages

pacman -Q

dnf list installed

dpkg --list |
grep ^i

zypper search
--installed-only

emerge -ep
world

List packages that are installed but are not available in any installation source (anymore).

pacman -Qm

dnf list extras

deborphan

zypper se -si |
grep 'System
Packages'

eix-test-
obsolete

List packages that were recently added to one of the installation sources, i.e. which are new to it.

(none)

dnf list recent

aptitude search
'~N' / aptitude
forget-new

n/a

eix-diff

Sheet1

List installed local packages along with version	pacman -Q	rpm -qa	dpkg -l	zypper search - s; rpm -qa	emerge -e world
Search locally installed package for names or descriptions	pacman -Qs	rpm -qa '*<str>*'	aptitude search '~i(~n \$name ~d \$description)'		eix -S -I
List packages not required by any other package	pacman -Qt	package-cleanup --all --leaves	deborphan -anp1		
List packages installed explicitly (not as dependencies)	pacman -Qe	dnf history userinstalled	apt-mark showmanual		
List packages installed automatically (as dependencies)	pacman -Qd		apt-mark showauto		