

Package Management Cheat Sheet

Task	apt (deb) Ubuntu, Debian	yum (rpm) Fedora, CentOS	zypp (rpm) openSUSE	urpmi (rpm) Mandriva	slapt-get (tgz,tbz,tlz) Vector	pacman (pkg.tar.gz) Arch	smart http://smartpm.org
<i>Managing software</i>							
Install new software from package repository	apt-get install <i>pkg</i>	yum install <i>pkg</i>	zypper install <i>pkg</i>	urpmi <i>pkg</i>	slapt-get --install <i>pkg</i>	pacman -S <i>pkg</i>	smart install <i>pkg</i>
Install new software from package file	dpkg -i <i>pkg</i>	yum localinstall <i>pkg</i>	zypper install <i>pkg</i>	urpmi <i>pkg</i>	slapt-get --install <i>pkg</i>	pacman -U <i>pkg</i>	smart install <i>pkg</i>
Update existing software	apt-get install <i>pkg</i>	yum update <i>pkg</i>	zypper update -t package <i>pkg</i>	urpmi <i>pkg</i>	slapt-get --install <i>pkg</i>	pacman -S <i>pkg</i>	smart upgrade <i>pkg</i>
Remove unwanted software	apt-get remove <i>pkg</i>	yum erase <i>pkg</i>	zypper remove <i>pkg</i>	urpme <i>pkg</i>	slapt-get --remove <i>pkg</i>	pacman -R <i>pkg</i>	smart remove <i>pkg</i>
<i>Updating the system</i>							
Update package list	apt-get update	yum check-update	zypper refresh	urpmi.update -a	slapt-get --update	pacman -Sy	smart update
Update system	apt-get upgrade	yum update	zypper update	urpmi --auto-select	slapt-get --upgrade	pacman -Su	smart upgrade
Check all dependencies	apt-get check						smart check
Fix dependency problems	apt-get -f install						smart fix
<i>Searching for packages</i>							
Search by package name	apt-cache search <i>pkg</i>	yum list <i>pkg</i>	zypper search <i>pkg</i>	urpmq <i>pkg</i>	slapt-get --search <i>pkg</i>	pacman -Ss <i>pkg</i>	smart query <i>pkg</i>
Search by pattern	apt-cache search <i>pat</i>	yum search <i>pat</i>	zypper search -t pattern <i>pat</i>	urpmq --fuzzy <i>pat</i>	slapt-get --search <i>pat</i>	pacman -Ss <i>pat</i>	smart search <i>pat</i>
Search by file name	apt-file search <i>file</i>	yum provides <i>file</i>	zypper wp <i>file</i>	urpmf <i>file</i>	--	pacman -Qo <i>file</i>	smart query --path= <i>file</i>
List installed packages	dpkg -l	yum list installed	zypper search -is	rpm -qa	slapt-get --installed	pacman -Q	smart query --installed
<i>Configuring access to software repositories</i>							
List repositories	cat /etc/apt/sources.list	yum repolist	zypper repos	urpmq --list-media	cat /etc/slapt-get/slapt-getrc	cat /etc/pacman.conf	smart channel --show
Add repository	(edit /etc/apt/sources.list)	(add repo to /etc/yum.repos.d/)	zypper addrepo <i>path name</i>	urpmi.addmedia <i>name path</i>	(edit /etc/slapt-get/slapt-getrc)	(edit /etc/pacman.conf)	smart channel --add <i>name path</i>
Remove repository	(edit /etc/apt/sources.list)	(remove repo from /etc/yum.repos.d/)	zypper removerepo <i>name</i>	urpmi.removemedi <i>name</i>	(edit /etc/slapt-get/slapt-getrc)	(edit /etc/pacman.conf)	smart channel --remove <i>name</i>

Based on earlier work by distrowatch.com