

Dpkg

<code>dpkg -S filename</code>	Show which package a file belongs to.
<code>dpkg -i pkg.deb</code>	Install package files.
<code>dpkg -V [package-names]</code>	Audit check sums of installed packages.
<code>dpkg-divert [options] file</code>	Override a package's version of a file.
<code>dpkg --compare-versions v1 gt v2</code>	Compare version numbers; view results with echo \$? .
<code>dpkg-query -W --showformat= format</code>	Query installed packages, format e.g. <code>'\${Package} \${Version} \${Installed-Size}\n'</code> .
<code>dpkg --get-selections > file</code>	Write package selections to file.
<code>dpkg --set-selections < file</code>	Set package selections from file.

The Network

<code>/etc/network/interfaces</code>	Interface configuration (if not controlled via network-manager).
<code>ip link set device [up] [down]</code>	Start, stop network interfaces according to the file above.
<code>/sbin/ip</code>	Show and manipulate network interfaces and routing, needs iproute2.
<code>ssh -X user@host</code>	Login at another machine.
<code>scp files user@host:path</code>	Copy files to other machine (and vice versa).

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Debian Reference Card

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<https://www.debian.org/>

Getting Help

<code>man page</code> or <code>man</code>	Read online help for every command and many configuration files.
<code>command [-help, -h]</code>	Brief help for most commands.
<code>/usr/share/doc/[package-name/]</code>	Find all documentation here, optional file README.Debian contains specifics.
Web documentation	Reference, manuals, FAQs, HOWTOs, etc. at https://www.debian.org/doc/
Mailing lists at https://lists.debian.org/	The community is always helpful, search for users.
The Wiki at https://wiki.debian.org/	Contains all kind of useful information.

Installation

Installer	All information about it at https://www.debian.org/devel/debian-installer/
CD images	Download from https://www.debian.org/distrib/
<code>boot: expert</code>	E.g. to set up the network w/o DHCP or using LILO instead of GRUB.

Bugs

Bug Tracking at https://bugs.debian.org/	All about existing and fixed bugs.
Package specific	See https://bugs.debian.org/package-name/ , use <code>wpp</code> to ask for new packages.
<code>reportbug</code>	Report a bug by e-mail.
Reporting	Instructions at https://www.debian.org/Bugs/Reporting

Configuration

/etc/	All system configuration files are under directory /etc/.
editor <i>files</i>	Default text editor. May be nano , emacs , vi , joe .
CUPS at http://hostname:631	Browser interface to printing system.
dpkg-reconfigure <i>package-name</i>	Reconfigure a package, e.g. <i>keyboard-configuration</i> (keyboard), <i>locales</i> (localization)
update-alternatives <i>options</i>	Manage command alternatives.
update-grub	After changing /etc/default/grub.

Daemons and System

systemctl restart <i>name.service</i>	Restart a service, system daemon.
systemctl stop <i>name.service</i>	Stop a service, system daemon.
systemctl start <i>name.service</i>	Start a service, system daemon.
systemctl halt	Halts system.
systemctl reboot	Reboots system.
systemctl poweroff	Shuts down system.
systemctl suspend	Suspends system.
systemctl hibernate	Hibernates system.
/var/log/	All log files are under this directory.
/etc/default/	Default values for many daemons and services.

Important Shell Commands

cat <i>files</i>	Print files to screen.
cd <i>directory</i>	Change to directory.
cp <i>files dest</i>	Copy files and directories.
echo <i>string</i>	Echo string to screen.
gzip, bzip2, xz [-d] <i>files</i>	Compress, uncompress files.

Important Shell Commands

pager <i>files</i>	Show contents of files.
ls [<i>files</i>]	List files.
mkdir <i>directory-names</i>	Create directories.
mv <i>file1file2</i>	Move, rename files.
rm <i>files</i>	Remove files.
rmdir <i>dirs</i>	Remove empty directories.
tar [c][x][t][z][j][J] -f <i>file.tar [files]</i>	Create (c), extract (x), list table of (t) archive file, z for .gz, j for .bz2, J for .xz.
find <i>directories expressions</i>	Find files like -name <i>name</i> or -size <i>+1000</i> , etc.
grep <i>search-string files</i>	Find search-string in files.
ln -s <i>file link</i>	Create a symbolic link to a file.
ps [<i>options</i>]	Show current processes.
kill [-9] <i>PID</i>	Send signal to process (e.g. terminate it). Use ps for PID.
su - [<i>username</i>]	Become another user, e.g. root.
sudo <i>command</i>	Execute a command as root as normal user, see /etc/sudoers.
<i>command</i> > <i>file</i>	Overwrite file with output of command.
<i>command</i> >> <i>file</i>	Append output of command to file.
<i>cmd1</i> <i>cmd2</i>	Use output of command 1 as input of command 2.
<i>command</i> < <i>file</i>	Use file as input for command.

APT

apt update	Update packages listings from package repositories as listed in /etc/apt/sources.list. Required whenever that file or the contents of the repositories change.
apt search <i>search-string</i>	Search packages and descriptions for <i>search-string</i> .

APT

apt list -a <i>package-name</i>	Show versions and archive areas of available packages.
apt show -a <i>package-name</i>	Show package information incl. description.
apt install <i>package-names</i>	Install packages from repositories with all dependencies.
apt upgrade	Install newest versions of all packages currently installed.
apt full-upgrade	Like apt upgrade , but with advanced conflict resolution.
apt remove <i>package-names</i>	Remove packages.
apt autoremove	Remove packages that no other packages depend on.
apt depends <i>package-name</i>	List all packages needed by the one given.
apt rdepends <i>package-name</i>	List all packages that need the one given.
apt-file update	Update content listings from package repositories, see apt update .
apt-file search <i>file-name</i>	Search packages for file.
apt-file list <i>package-name</i>	List contents of a package.
auto-apt	Installs packages automatically if needed, can replace apt-file , needs auto-apt.
aptitude	Console interface to APT, needs aptitude.
synaptic	GUI interface to APT, needs synaptic.

Dpkg

dpkg -l [<i>names</i>]	List packages.
dpkg -I <i>pkg.deb</i>	Show package information.
dpkg -c <i>pkg.deb</i>	List contents of package file.