Dpkg

`dpkg --compare-versions    v1 gt v2`	Compare version numbers, check with **echo $?**.
`dpkg-query -W --showformat=format`	Query installed packages, format e.g. '${Package} ${Version} ${Installed-Size}\n'.
`dpkg --get-selections > file`	Write package selections to file.
`dpkg --set-selections < file`	Set package selections from file.

The Network

`/etc/network/ interfaces`	Network interface configuration.
`ifup`, `ifdown` `[device]`	Start, stop network interfaces according to files above.
`/sbin/ip`	Show and manipulate network interfaces and routing, needs `iproute`.
`ssh -X user@host`	Login at other machine.
`scp files user@ host:path`	Copy files to other machine (and vice versa).

Web Server (Apache2)

`/etc/apache2/`	Configuration files.
`/etc/apache2/ sites-available/`	Contains virtual hosts. To enable a virtual host, use **a2ensite**.
`/etc/apache2/ mods-available/`	Contains available modules files. To enable a module, use **a2enmod**.

Debian GNU/Linux Reference Card

Version 5.0.9 2013-10-10
http://www.debian.org/

Getting Help

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

Installation

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

Bugs

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

Configuration

`/etc/`	All system configuration files are under directory `/etc/`.
`editor files`	Default text editor. May be **nano**, **emacs**, **vi**, **joe**.
CUPS at `http://hostname:631`	Browser interface to printing system.
`dpkg-reconfigure package-name`	Reconfigure a package, e.g. console-common (keyboard), locales (localisation).
`update-alternatives options`	Manage command alternatives.
`update-grub`	After changing `/etc/default/grub`.
`make-kpkg --initrd --revision=2:my.1.0 --rootcmd fakeroot --uc --us kernel_image`	Build a kernel packages from sources, if a customised kernel is really needed, needs `kernel-package`.
`m-a a-i module kernel_image`	Create and install third-party modules (gspca, ...), needs `module-assistant`.

Daemons and System

`/etc/init.d/file restart`	Restart a service, system daemon.
`/etc/init.d/file stop`	Stop a service, system daemon.
`/etc/init.d/file start`	Start a service, system daemon.
halt, reboot, poweroff	Halts, reboots, shuts down system.
`/var/log/`	All log files are under this directory.
`/etc/default/`	Default values for many daemons and services.

Important Shell Commands

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

Important Shell Commands

`pager files`	Show contents of files.
`ls [files]`	List files.
`mkdir directory-names`	Create directories.
`mv file1  file2`	Move, rename files.
`rm files`	Remove files.
`rmdir dirs`	Remove empty directories.
`tar [c][x][t][z][j] -f file.tar  [files]`	Create, eXtract, list Table of archive file, z, j for `.gz`, `.bz2`.
`find directories expressions`	Find files like `-name  name` or `-size +1000`, etc.
`grep search-string files`	Find search-string in files.
`kill [-9] number`	Send signal to process (e.g. terminate it).
`ln -s file link`	Create a symbolic link to a file.
`ps [options]`	Show current processes.
`su - [username]`	Become another user, e.g. `root`.
`sudo command`	Execute a command as `root` as normal user, see `/etc/sudoers`
`command > file`	Overwrite file with output of command.
`command >> file`	Append output of command to file.
`cmd1	cmd2`	Use output of command 1 as input of command 2.
`command < file`	Use file as input for command.

APT

`apt-get 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-cache search search-string`	Search packages and descriptions for `search-string`.
`apt-cache policy package-names`	Show versions and priorities of available packages.
`apt-cache show package-names`	Show package information incl. description.

APT

`apt-cache showpkg package-names`	Show package dependencies (needed packages).
`apt-get install package-names`	Install packages from repositories with all dependencies.
`apt-get upgrade`	Install newest versions of all packages currently installed.
`apt-get dist-upgrade`	Like **apt-get upgrade**, but with advanced conflict resolution.
`apt-get remove package-names`	Remove packages with all needed packages.
`apt-get autoremove`	Remove packages that no other packages depend on.
`apt-cache depends package-names`	List all packages needed by the one given.
`apt-cache rdepends package-names`	List all packages that need the one given.
`apt-file update`	Update content listings from package repositories, see **apt-get update**
`apt-file search file-name`	Search packages for file.
`apt-file list package-name`	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 [names]`	List packages.
`dpkg -I pkg.deb`	Show package information.
`dpkg -c pkg.deb`	List contents of package file.
`dpkg -S filename`	Show which package a file belongs to.
`dpkg -i pkg.deb`	Install package files.
`debsums`	Audit check sums of installed packages, needs `debsums`.
`dpkg-divert [options] file`	Override a package's version of a file.