



# Vector Linux 4.3

## Command Line and Reference Sheet

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1. Linux Commands	Description
pgm	start pgm where pgm is a program found in the \$PATH
./pgm	start pgm (allocated in current dir.)
cd x or cd /x	go to directory x
cd .. or cd ../ or cd /..	go back one directory
ls or dir	list a directory
cat	display a textfile on the terminal
mv x y	move or rename file x to file y
cp x y	copy file x to file y
rm x	delete a file
mkdir x	make a directory
rmdir x	remove a directory
rm -r x	remove directory x and all its underlying files
df or df x	Show free space on device x
top	view memory status (q to quit)
man x	get a manual page about command x
less x or more x	view text file x
echo	print something on the screen mainly used in scripts
mc	similar to Norton Commander in DOS
mount	to make a device usable to the system (CD-ROM,other HD)
umount	umount to remove the device from being usable to the system
halt	to shutdown. It will also power off if APM or ACPI is being used
reboot	to reboot the system
chmod <permissions> <file>	change file permissions
chown <owner:group> <file>	change file ownership
ls -l x	perform a detailed directory listing for file or directory x
ln -s x y	make a symbolic link to x called y
find x -name y -print	find file y, begin the search from within directory x and print...
	... the results to screen
ps	to view all running processes
kill x	to terminate process x (x is PID from ps)
killall -KILL pgm	to kill the program called pgm
killall -HUP pgm	to force program pgm to restart - used in case configuration is changed
[alt] + F1 - F7	switch to terminal 1 - 7
lilo	to write boot information changes to disk
startx	to start the XFree86 GUI

## 2. Directories and their function

/	the root of the directory tree this is the base
/dev	the device pointer directory all devices have an entry here
/bin	main CLI executables
/sbin	main CLI system executables
/boot	location of the kernel and boot information required to boot the system
/etc	system configuration files
/root	root user home directory
/home	normal user base directory
/lib	system libraries and kernel modules
/usr	main user binary,documentation, library location
/opt	extra binary/documentation,library location - eg. KDE,Gnome
/var	system log files,spoolers,etc
/tmp	temporary folder for running applications that need temp files
/proc	proc filesystem for kernel interaction - this is everything the kernel knows
/mnt	filesystem mount point for extra devices and drives

### 3. Important configuration files

<code>/etc/lilo.conf</code>	boot loader configuration file - you must run "lilo" after any changes
<code>/etc/modules.conf</code>	kernel module loader configuration used by the modprobe command
<code>/etc/inittab</code>	system runlevel configuration file - tells init what to do for each runlevel
<code>/etc/fstab</code>	filesystem mounting configuration file - used by the mount command
<code>/etc/ld.so.conf</code>	library configuration file - used by the ldconfig command to find libraries
<code>/etc/inetd.conf</code>	tcp wrapper configuration - used to start ftp and other network daemons
<code>/etc/hosts</code>	local host resolution file
<code>/etc/HOSTNAME</code>	system hostname file
<code>/etc/profile</code>	system defaults for bash login default paths,colours,etc
<code>/etc/rc.d/rc.0</code>	system halt script - run when you issue halt
<code>/etc/rc.d/rc.6</code>	system reboot script - run when you issue reboot or [ctrl] + [alt] + [del]
<code>/etc/rc.d/rc.K</code>	runlevel 1 or system administration mode
<code>/etc/rc.d/rc.S</code>	main system boot script - run when you boot up
<code>/etc/rc.d/rc.M</code>	main local startup script - activates other services you have chosen
<code>/etc/rc.d/rc.X</code>	GUI startup script used when runlevel 5 is selected in /etc/inittab
<code>/etc/rc.d/rc.sysvinit</code>	SysV Init script starter
<code>/etc/rc.d/rc.inet1</code>	network startup script
<code>/etc/rc.d/rc.netdevice</code>	network card module loader - newer versions will just be added to modules.conf system module loader - run at startup
<code>/etc/rc.d/rc.modules</code>	hotplug starter script - for USB and PCI hotplug devices
<code>/etc/rc.d/rc.hotplug</code>	pcmcia service script - for use with laptops
<code>/etc/rc.d/rc.pcmcia</code>	local startup script for user space programs
<code>/etc/rc.d/rc.local</code>	XFree86 3.3.6 configuration file
<code>/etc/XF86Config</code>	XFree86 4.2.1 configuration file
<code>/etc/X11/XF86Config-4</code>	

#### 4. VectorLinux Specific Configuration Tools

vasm	main administrative and services men
vecpkg	Software Plaza tool

#### 5. Credits

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