

WCLP Volunteer Cheat Sheet

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All of these tips are explained in more detail in the *Administrator's Guide*. Look there for additional help.

1 Useful Files

Filename	Purpose
/proc/interrupts	IRQs currently in use
/proc/ioports	IO addresses currently in use
/var/log/fai/localhost/last-install/dmesg.log	FAI kernel messages (for network cards)
/var/log/fai/localhost/last-install/rcS.log	FAI installation log
/usr/share/doc/xserver-xfree86/Status.gz	Video card support (file is on server)
/etc/isapnp.conf	Plug and Play configuration
/etc/serial.conf	Serial port configuration
/etc/network/interfaces	Network device configuration
/etc/resolv.conf	DNS server configuration
/etc/ppp/peers/	PPP configuration files
/etc/ppp/pap-secrets	PPP passwords
/etc/modules	Kernel modules to load (eg network card drivers)
/etc/fstab	File system table

2 Configuring the X-Window System

To start: `dpkg-reconfigure xserver`

where *xserver* is `xserver-svga` or `xserver-xfree86` or `xserver-s3`.

For most settings, you choose the defaults. Exceptions include:

Item	Suggested setting(s)
Mouse port	/dev/ttyS0 for serial on COM1 /dev/ttyS1 for serial on COM2 /dev/psaux for PS/2
Mouse protocol (serial)	Try Microsoft , then Mousesystems
Mouse protocol (PS/2)	Usually PS/2
Colour Depth	Try 8 bit, then 15 bit (if 8 bit works)
Resolutions	Choose 800x600, 640x480 Press <tab> to move to OK
Monitor Frequency	Choose Advanced if you have horizontal and vertical refresh rates and choose Simple otherwise

3 Useful Commands

Command	Example	Explanation
(tab) key Up, down arrow keys (alt)+ <i>fnkey</i> (ctrl)+(alt)+ <i>fnkey</i> (shift)+(page up)	less /etc/isapn(tab) N/A (alt)+(F2) (ctrl)+(alt)+(F2) (ctrl)+(alt)+(F7) N/A	Filename autocompletion Repeat previously-typed commands Switch virtual terminals (console mode) Get console from graphical mode Return to graphical mode Scroll up (in terminal window)
pstree top df dmesg	pstree top df dmesg less	See running processes See processor, memory usage (q to quit) See hard disk usage See kernel bootup messages
date <i>MMDDhhmmCCYY</i> tzconfig	date 051318432003 tzconfig	Set time and date (to 6:43pm, May 13, 2003) Set time zone
detect	detect	Detect hardware to ./report.txt (Danger! Blanks displays!)
apg passwd <i>user</i> adduser adduser	apg passwd daveb adduser adduser --disabled-password	Generate sample passwords Set password (for daveb) Add user account (with password) Add user account (no password)
nano <i>filename</i> less <i>filename</i> zcat <i>filename</i>	nano /etc/isapnp.conf less /etc/isapnp.conf zcat Status.gz less	Edit a file View a file Display a gzipped file
ifconfig ifup <i>device</i> ifup -a ifdown <i>device</i>	ifconfig ifup eth0 ifup -a ifdown eth0	See which network devices are up Enable network connection Enable all "automatic" network devices Disable network connection
wvdialconf <i>file</i> pppconfig pon, poff gkdial pppoeconf	wvdialconf /tmp/out1 pppconfig pon gkdial & pppoeconf	Check modem detection Configure PPP dialer Bring up/down modem connection Graphical dialer Configure ADSL modem dialer
lprngtool printop lpr <i>filename</i>	lprngtool printop lpr /etc/isapnp.conf	Set up printer Graphical printer management Print a file
dpkg-reconfigure startx (ctrl)+(alt)+(backspace) update-rc.d	dpkg-reconfigure xserver-svga startx (ctrl)+(alt)+(backspace) update-rc.d gdm defaults 99	Configure X-window system Start X-window system Exit X-window system (if no GDM) Re-enable GDM
aptitude apt-get apt-get install <i>pkg</i>	aptitude apt-get update apt-get install nethack	Install/remove Debian packages Update package information Install package(s)
pnpdump	pnpdump -c > /etc/isapnp.conf	Write Plug and Play register file and attempt to configure
sndconfig alsaconfig	sndconfig alsacfg	Configure sound card (OSS drivers) Configure sound card (ALSA drivers)