

GNU/Linux Debian

Administrator's Guide

Release 4.0

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Preface

Debian Linux is a brand-new kind of Linux distribution. Rather than being developed by one isolated individual or group, as other distributions of Linux have been developed in the past, Debian is being developed openly in the spirit of Linux and GNU. The primary purpose of the Debian project is to finally create a distribution that lives up to the Linux name. Debian is being carefully and conscientiously put together and will be maintained and supported with similar care.

It is also an attempt to create a non-commercial distribution that will be able to effectively compete in the commercial market. It will eventually be distributed by The Free Software Foundation on CD-ROM, and The Debian Linux Association will offer the distribution on floppy disk and tape along with printed manuals, technical support and other end-user essentials. All of the above will be available at little more than cost, and the excess will be put toward further development of free software for all users. Such distribution is essential to the success of the Linux operating system in the commercial market, and it must be done by organizations in a position to successfully advance and advocate free software without the pressure of profits or returns.

The GNU/Linux Debian web site [<http://www.debian.org>] carries details on the latest release and other information to make your work or play with GNU/Linux Debian more productive. And The mailing lists are a good place to have your questions answered, to share experiences with other users, and to contact the developers.

1

Installation

1.1. Download

You must download on the official web site : the NetInstall CDROM Debian 3.1 (Sarge), the last stable distribution.

1.2. Install

Boot on NetInstall CDROM, and type on prompt :

```
boot:expert26
```

Answer to all queries :

```
choose language : English
choose country  : United States
keyboard layout : PC-Style, French

Detect and boot CDROM : all options selected
Prompt for module parameters : no
Start PCCard services : no

Load installer components from CD :
options baseconfig-udeb, choose-mirror, eject-udeb

Detect network hardware :
modules to load : tg3, cciss
Prompt for module parameters : no
Start PC card services : no

Configure network
Primary network interface : eth0
Configure with DHCP : no
or IP address : XXX.XXX.XXX.XXX
Netmask : XXX.XXX.XXX.XXX
Gateway : XXX.XXX.XXX.XXX
Name server : XXXXXXXX
Information correct : yes

Hostname : XXXXXXXX
Domain : XXXXXXXX

Choose a mirror
Protocol for files download : http
Debian archive mirror country : France
Debian archive mirror :
```

```
Proxy :
Debian version to install : testing (tant que la version 3.1 n'est pas officiellement sortie, il faut sélectionner la dernière version disponible)

Detect hardware
Prompt for module parameters : no
Start PC card services : no

Partition disks
(si aucun type de partition n'est détecté, choisir msdos)
Manually edit partition table

---- partitionner ----- filesystem type : ext3

Write change to disk : yes
Continue with the installation : yes

(formattage des partitions).
Appliquer les pourcentages suivants pour un frontal standard :
/ 1,4 (primaire, début du disque, bootable)
swap : quantité mémoire x 2 (attention la taille maximale d'une partition de swap est de 2 Go)
si RAM <= 1G swap = mémoire x 2
si RAM > 2G, swap = mémoire (ou moins)
(primaire, type 82).
/usr 4,2 (logique)
/usr/local 4,2 (logique) regrouper /usr et /usr/local
/var 41,6 (logique)
/home 1,4 (logique)
/srv 41,6 (logique)
Le différentiel restant est affecté à la partition /srv (à définir en dernier).

Install the base system
Kernel-to-install : kernel-image-2.6.x

Install LILO boot loader
MBR

Finish the installation
Retirer le CDROM
Continue
Reboot

Configure time zone
Is hardware clock set to GMT ? : no
Time zone : Other, Europe
Select city : Paris
Is this correct : yes

Setup users and passwords
Enable shadow passwords : yes
Root password :
Normal user account : : no

Set the hostname : à remplir suivant le contexte
XXX-UUU-N (avec XXX nom de la plateforme (lm, argia, ...)), UUU usage du serveur (front, ref, bdprod, int)
Configure apt
Acces method : http
Debian distribution : stable
Use non-free software : yes
Mirror country
France

Add apt source manually :
deb http://XXXX/debian-non-US/ testing non-US/main non-US/non-free non-US/contrib

(Cette source n'est pas proposée du fait que la configuration choisie au départ est une config US ?)
```

```
Use security updates from security.debian.org : yes

Select and install package
Choose software to install :
nothing
interface : dialog
information level : low

select locale :
en_US ISO-8859-1
en_US ISO-8859-15
en_US UTF-8

Default en_US.UTF-8

Don't touch keymap

home readable directories : yes

usb modules : none

network interface manage by hotplug : all

ingore PCI display device : yes

exim4 configuration package :
Split configuration into small files : no
General type of mail configuration : mail send by smarthost, no local mail
System mail name :
IP-adresses to listen for incoming SMTP connection : 127.0.0.1
Other destinations :
Hide local mail name in outgoing mail ? yes
Visible domaine name for local users :
machine handling outgoing mail for this host : massmail.coltfrance.com

Keep number of DNS-queries minimal : NO
Root and postmaster recipient : XXX
```

Finish configuration of base system

```
apt-get update
apt-get upgrade

discovery manage mounted point : no

apt-get install kernel-image-2.6.8-1-686-smp

Install a boot block using existing lilo : yes

apt-get install g++
apt-get install make
apt-get install autoconf
apt-get install kernel-headers-2.6.8-1-686-smp
apt-get install ssh
Allow SSH protocol 2 only : yes
kkey-sign suid : no
run sshd server : yes
```

Delete unused package :

```
apt-get remove --purge discover1
apt-get remove --purge discover1-data
```

```
apt-get remove --purge hotplug
apt-get remove --purge usbutils
apt-get remove --purge libusb-0.1-4
apt-get remove --purge nano
apt-get remove --purge ppp
apt-get remove --purge pppconfig
apt-get remove --purge pppoe
apt-get remove --purge pppoeconf
```

//FIXME ajouter la configuration de vim avec la couleur + l'installation de screen et la custom des bashrc Add required package :

```
#for RMP Install
apt-get install alien
apt-get install atsar
apt-get install bc
apt-get install bind9-host
apt-get install bzip2
apt-get install dialog
apt-get install dnsutils
apt-get install dpkg-dev
apt-get install ethtool
apt-get install expect
apt-get install file
apt-get install fileutils
apt-get install ftp
apt-get install groff
apt-get install jed
apt-get install kernel-source-XXX
apt-get install less
apt-get install libbz2-1.0
apt-get install lynx
apt-get install lsof
apt-get install ntpdate
apt-get install patch
#required by legato
apt-get install portmap
apt-get install proftpd
apt-get install rsync
apt-get install strace
apt-get install sudo
apt-get install sysutils
apt-get install tcpdump
apt-get install tcsh
apt-get install traceroute
apt-get install unzip
apt-get install zip
apt-get install compress
apt-get install vim
apt-get install zlib1g-dev
apt-get install openssl
apt-get install libssl-dev
apt-get install cronolog
apt-get install libreadline5
apt-get install libreadline5-dev
apt-get install screen
apt-get install nmap
apt-get install cvs
apt-get install svn
```

Check installed package list, must be :

```
$> dpkg -l
```

ii	adduser	3.59	Add and remove users and groups
ii	alien	8.47	install non-native packages with dpkg
ii	apt	0.5.27	Advanced front-end for dpkg
ii	apt-utils	0.5.27	APT utility programs
ii	aptitude	0.2.15.7-1	terminal-based apt frontend
ii	at	3.1.8-11	Delayed job execution and batch processing
ii	atsar	1.7-2	system activity reporter
ii	autoconf	2.59-8	automatic configure script builder
ii	base-config	2.40.5	Debian base system configurator
ii	base-files	3.1	Debian base system miscellaneous files
ii	base-passwd	3.5.7	Debian base system master password and group
ii	bash	2.05b-24	The GNU Bourne Again SHell
rc	bc	1.06-15	The GNU bc arbitrary precision calculator la
ii	bind9-host	9.2.3+9.2.4-rc	Version of 'host' bundled with BIND 9.X
ii	binutils	2.15-4	The GNU assembler, linker and binary utiliti
ii	bsdmainutils	6.0.15	collection of more utilities from FreeBSD
ii	bsdutils	2.12-10	Basic utilities from 4.4BSD-Lite
ii	bzip2	1.0.2-1	A high-quality block-sorting file compressor
ii	console-common	0.7.47	Basic infrastructure for text console config
ii	console-data	2002.12.04dbs-	Keymaps, fonts, charset maps, fallback table
ii	console-tools	0.2.3dbs-55	Linux console and font utilities
ii	coreutils	5.2.1-2	The GNU core utilities
ii	cpio	2.5-1.1	GNU cpio -- a program to manage archives of
ii	cpp	3.3.4-2	The GNU C preprocessor (cpp)
ii	cpp-3.3	3.3.4-13	The GNU C preprocessor
ii	cramfsprogs	1.1-6	Tools for CramFs (Compressed ROM File System
ii	cron	3.0pl1-86	management of regular background processing
ii	cronolog	1.6.2-5	Logfile rotator for web servers
ii	dash	0.5.1-3	The Debian Almquist Shell
ii	debconf	1.4.30.5	Debian configuration management system
ii	debconf-i18n	1.4.30.5	full internationalization support for debcon
ii	debconf-utils	1.4.30.5	debconf utilities
ii	debhelper	4.2.20	helper programs for debian/rules
ii	debianutils	2.8.4	Miscellaneous utilities specific to Debian
ii	dhcp-client	2.0pl5-19	DHCP Client
ii	dialog	1.0-20040731-1	Displays user-friendly dialog boxes from she
ii	diff	2.8.1-6	File comparison utilities
ii	dnsutils	9.2.3+9.2.4-rc	Clients provided with BIND
ii	dpkg	1.10.23	Package maintenance system for Debian
ii	dpkg-dev	1.10.23	Package building tools for Debian
ii	dselect	1.10.23	a user tool to manage Debian packages
ii	e2fslibs	1.35-6	The EXT2 filesystem libraries
ii	e2fsprogs	1.35-6	The EXT2 file system utilities and libraries
ii	ed	0.2-20	The classic unix line editor
ii	eject	2.0.13deb-7	ejects CDs and operates CD-Changers under Li
ii	ethtool	1.8-2	Display or change ethernet card settings
ii	exim4	4.34-4	An MTA (Mail Transport Agent)
ii	exim4-base	4.34-4	EXperimental Internal Mailer -- a Mail Trans
ii	exim4-config	4.34-4	Debian configuration for exim4
ii	exim4-daemon-l	4.34-4	Lightweight version of the Exim (v4) MTA
ii	expect	5.42.1-1	A program that "talks" to other programs
ii	fdutils	5.4-20040228-1	Linux floppy utilities
ii	file	4.09-1	Determines file type using "magic" numbers
ii	fileutils	5.2.1-2	The GNU file management utilities (transitio
ii	findutils	4.1.20-4	utilities for finding files--find, xargs, an
ii	g++	3.3.4-2	The GNU C++ compiler
ii	g++-3.3	3.3.4-13	The GNU C++ compiler
ii	gcc	3.3.4-2	The GNU C compiler
ii	gcc-3.3	3.3.4-13	The GNU C compiler
ii	gcc-3.3-base	3.3.4-13	The GNU Compiler Collection (base package)
ii	gettext	0.14.1-5	GNU Internationalization utilities
ii	gettext-base	0.14.1-5	GNU Internationalization utilities for the b
ii	grep	2.5.1.ds1-3	GNU grep, egrep and fgrep
ii	groff	1.18.1.1-1	GNU troff text-formatting system
ii	groff-base	1.18.1.1-1	GNU troff text-formatting system (base syste
ii	gzip	1.3.5-9	The GNU compression utility

ii	hostname	2.13	A utility to set/show the host name or domain
ii	html2text	1.3.2a-1	An advanced HTML to text converter
ii	ifupdown	0.6.4-4.8	High level tools to configure network interfaces
ii	info	4.7-2.2	Standalone GNU Info documentation browser
ii	initrd-tools	0.1.74	tools to create initrd image for prepackaged kernels
ii	initscripts	2.86-1	Standard scripts needed for booting and shutdown
ii	intltool-debia	0.30+20040213	Help i18n of RFC822 compliant config files
ii	ipchains	1.3.10-15	Network firewalling for Linux 2.2.x
ii	iptables	1.2.9-10	Linux kernel 2.4+ iptables administration tools
ii	iptraf	2.7.0-6	Interactive Colorful IP LAN Monitor
ii	iputils-ping	20020927-2	Tools to test the reachability of network hosts
ii	jed	0.99.16-3.2	Editor for programmers. (textmode version)
ii	jed-common	0.99.16-3.2	Byte compiled S-Lang runtime files for jed
ii	jnettop	0.9-3	View hosts/ports taking up the most network bandwidth
ii	kernel-headers	2.6.8-4	Header files related to Linux kernel version 2.6.8
ii	kernel-headers	2.6.8-4	Linux kernel headers 2.6.8 on PPro/Celeron/Pentium
pi	kernel-image-2	2.6.8-4	Linux kernel image for version 2.6.8 on PPro/Celeron/Pentium
ii	kernel-kbuild	2.6.8-1	Linux kernel 2.6 kbuild tools
ii	kernel-source	2.6.8-7	Linux kernel source for version 2.6.8 with Documentation
ii	klogd	1.4.1-15	Kernel Logging Daemon
ii	less	382-1	Pager program similar to more
ii	libacl1	2.2.23-1	Access control list shared library
ii	libattr1	2.4.16-1	Extended attribute shared library
ii	libblkid1	1.35-6	Block device id library
ii	libbz2-1.0	1.0.2-1	A high-quality block-sorting file compressor
ii	libc6	2.3.2.ds1-16	GNU C Library: Shared libraries and Timezone data
ii	libc6-dev	2.3.2.ds1-16	GNU C Library: Development Libraries and Headers
ii	libcap1	1.10-14	support for getting/setting POSIX.1e capabilities
ii	libcomerr2	1.35-6	The Common Error Description library
ii	libconsole	0.2.3dbs-55	Shared libraries for Linux console and font support
ii	libdb1-compat	2.1.3-7	The Berkeley database routines [glibc 2.0/2.1]
ii	libdb3	3.2.9-20	Berkeley v3 Database Libraries [runtime]
ii	libdb4.2	4.2.52-17	Berkeley v4.2 Database Libraries [runtime]
ii	libdevmapper1.	1.00.19-2	The Linux Kernel Device Mapper userspace library
ii	libdns11	9.2.3+9.2.4-rc	DNS Shared Library used by BIND
ii	libgcc1	3.4.1-4sarge1	GCC support library
ii	libgcrypt1	1.1.12-8	GPL Crypto library - runtime library
ii	libgcrypt11	1.2.0-4	GPL Crypto library - runtime library
ii	libgcrypt7	1.1.90-9	GPL Crypto library - runtime library
ii	libgdbm3	1.8.3-2	GNU dbm database routines (runtime version)
ii	libglib2.0-0	2.4.6-3	The GLib library of C routines
ii	libgnutls10	1.0.4-8	GNU TLS library - runtime library
ii	libgnutls7	0.8.12-6	GNU TLS library - runtime library
ii	libgpg-error0	1.0-1	library for common error values and messages
ii	libgpmgl	1.19.6-12.1	General Purpose Mouse Library [libc6]
ii	libice6	4.3.0.dfsg.1-8	Inter-Client Exchange library
ii	libisc7	9.2.3+9.2.4-rc	ISC Shared Library used by BIND
ii	liblocale-gett	1.01-17	Using libc functions for internationalization
ii	liblockfile1	1.06	NFS-safe locking library, includes dotlockfile
ii	liblwres1	9.2.3+9.2.4-rc	Lightweight Resolver Library used by BIND
ii	liblzol	1.08-1.2	A real-time data compression library
ii	libmagic1	4.09-1	File type determination library using "magic" files
ii	libncurses5	5.4-4	Shared libraries for terminal handling
ii	libncurses5-de	5.4-4	Developer's libraries and docs for ncurses
ii	libncursesw5	5.4-4	Shared libraries for terminal handling (wide character)
ii	libnewt0.51	0.51.6-5	Not Erik's Windowing Toolkit - text mode windowing
ii	libopencdk8	0.5.5-8	Open Crypto Development Kit (OpenCDK) (runtime)
ii	libpam-modules	0.76-22	Pluggable Authentication Modules for PAM
ii	libpam-runtime	0.76-22	Runtime support for the PAM library
ii	libpam0g	0.76-22	Pluggable Authentication Modules library
ii	libpcap0.7	0.7.2-7	System interface for user-level packet capture
ii	libpcap0.8	0.8.3-4	System interface for user-level packet capture
ii	libpcre3	4.5-1.1	Perl 5 Compatible Regular Expression Library
ii	libpopt0	1.7-4	lib for parsing cmdline parameters
ii	libreadline-co	5.0-1	GNU readline and history libraries, common files
rc	libreadline4	4.3-11	GNU readline and history libraries, run-time

ii	libreadline5	5.0-1	GNU readline and history libraries, run-time
ii	libreadline5-d	5.0-1	GNU readline and history libraries, developm
ii	librpm4	4.0.4-29	RPM shared library
ii	libsigc++-1.2-	1.2.5-1	Type-safe Signal Framework for C++ - runtime
ii	libsm6	4.3.0.dfsg.1-8	X Window System Session Management library
ii	libss2	1.35-6	Command-line interface parsing library
ii	libssl-dev	0.9.7d-5	SSL development libraries, header files and
ii	libssl0.9.7	0.9.7d-5	SSL shared libraries
ii	libstdc++5	3.3.4-13	The GNU Standard C++ Library v3
ii	libstdc++5-3.3	3.3.4-13	The GNU Standard C++ Library v3 (development
ii	libtasn1-0	0.1.2-5	Manage ASN.1 structures (runtime)
ii	libtasn1-2	0.2.10-3	Manage ASN.1 structures (runtime)
ii	libtext-charwi	0.04-1	get display widths of characters on the term
ii	libtext-iconv-	1.2-3	Convert between character sets in Perl
ii	libtext-wrapi1	0.06-1	internationalized substitute of Text::Wrap
ii	libtextwrap1	0.1-1	text-wrapping library with i18n - runtime
ii	libuuid1	1.35-6	Universally unique id library
ii	libwrap0	7.6.dbs-6	Wietse Venema's TCP wrappers library
ii	libx11-6	4.3.0.dfsg.1-8	X Window System protocol client library
ii	libxaw7	4.3.0.dfsg.1-8	X Athena widget set library
ii	libxext6	4.3.0.dfsg.1-8	X Window System miscellaneous extension libr
ii	libxmu6	4.3.0.dfsg.1-8	X Window System miscellaneous utility librar
ii	libxpm4	4.3.0.dfsg.1-8	X pixmap library
ii	libxt6	4.3.0.dfsg.1-8	X Toolkit Intrinsics
ii	lilo	22.6-1	LIlinux LOader - The Classic OS loader can loa
ii	linux-kernel-h	2.5.999-test7-	Linux Kernel Headers for development
ii	locales	2.3.2.ds1-16	GNU C Library: National Language (locale) da
ii	login	4.0.3-30.1	System login tools
ii	logrotate	3.7-2	Log rotation utility
ii	lsof	4.71-1	List open files.
ii	lynx	2.8.5-1	Text-mode WWW Browser
ii	m4	1.4.1-1	a macro processing language
ii	mailx	8.1.2-0.200405	A simple mail user agent
ii	make	3.80-9	The GNU version of the "make" utility.
ii	makedev	2.3.1-75	Creates device files in /dev
ii	man-db	2.4.2-19	The on-line manual pager
ii	manpages	1.67-2	Manual pages about using a GNU/Linux system
ii	mawk	1.3.3-11	a pattern scanning and text processing langu
ii	module-init-to	3.1-pre5-7	tools for managing Linux kernel modules
ii	modutils	2.4.26-1	Linux module utilities
ii	mount	2.12-10	Tools for mounting and manipulating filesyst
ii	ncurses-base	5.4-4	Descriptions of common terminal types
ii	ncurses-bin	5.4-4	Terminal-related programs and man pages
ii	net-tools	1.60-10	The NET-3 networking toolkit
ii	netbase	4.18	Basic TCP/IP networking system
ii	netkit-inetd	0.10-9	The Internet Superserver
ii	ntpdate	4.2.0a-11	The ntpdate client for setting system time f
ii	nvi	1.79-21	4.4BSD re-implementation of vi
ii	openssl	0.9.7d-5	Secure Socket Layer (SSL) binary and related
ii	passwd	4.0.3-30.1	Change and administer password and group dat
ii	patch	2.5.9-2	Apply a diff file to an original
ii	pciutils	2.1.11-15	Linux PCI Utilities
ii	perl	5.8.4-2.3	Larry Wall's Practical Extraction and Report
ii	perl-base	5.8.4-2.3	The Pathologically Eclectic Rubbish Lister
ii	perl-modules	5.8.4-2.3	Core Perl modules
ii	po-debconf	0.8.14	Manage translated Debconf templates files wi
ii	portmap	5-4	The RPC portmapper
ii	procps	3.2.1-2	The /proc file system utilities
ii	proftpd	1.2.9-16	Versatile, virtual-hosting FTP daemon
ii	proftpd-common	1.2.9-16	Versatile, virtual-hosting FTP daemon
ii	psmisc	21.5-1	Utilities that use the proc filesystem
ii	rpm	4.0.4-29	Red Hat package manager
ii	rsync	2.6.2-3	fast remote file copy program (like rcp)
ii	sed	4.1.2-1	The GNU sed stream editor
ii	slang1	1.4.9dbs-8	The S-Lang programming library - runtime ver
ii	slang1a-utf8	1.4.9dbs-8	The S-Lang programming library with utf8 sup

ii	ssh	3.8.1p1-8	Secure rlogin/rsh/rcp replacement (OpenSSH)
ii	strace	4.5.5-1	A system call tracer
ii	sudo	1.6.7p5-2	Provide limited super user privileges to spe
ii	sysklogd	1.4.1-15	System Logging Daemon
ii	sysutils	1.3.8.5.1	Miscellaneous small system utilities.
ii	sysv-rc	2.86-1	Standard boot mechanism using symlinks in /e
ii	sysvinit	2.86-1	System-V like init
ii	tar	1.13.93-4	GNU tar
ii	tasksel	2.12	Tool for selecting tasks for installation on
ii	tcl8.4	8.4.7-1	Tcl (the Tool Command Language) v8.4 - run-t
ii	tcpd	7.6.dbs-6	Wietse Venema's TCP wrapper utilities
ii	tcpdump	3.8.3-3	A powerful tool for network monitoring and d
ii	tcsh	6.13.00-1	TENEX C Shell, an enhanced version of Berkel
ii	telnet	0.17-26	The telnet client.
ii	traceroute	1.4a12-16	traces the route taken by packets over a TCP
ii	ucf	1.09	Update Configuration File: preserves user ch
ii	unzip	5.51-2	De-archiver for .zip files
ii	util-linux	2.12-10	Miscellaneous system utilities
ii	vim	6.3-013+2	Vi IMproved - enhanced vi editor
ii	vim-common	6.3-013+2	Vi IMproved - Common files
ii	wget	1.9.1-4	retrieves files from the web
ii	whiptail	0.51.6-5	Displays user-friendly dialog boxes from she
ii	xfree86-common	4.3.0.dfsg.1-8	X Window System (XFree86) infrastructure
ii	xlibs-data	4.3.0.dfsg.1-8	X Window System client data
ii	zip	2.30-6	Archiver for .zip files
ii	zlib1g	1.2.1.1-7	compression library - runtime
ii	zlib1g-dev	1.2.1.1-7	compression library - development

1.3. Configuration

TODO

```
démarrage /etc/init.d/ntpdate
Ajouter tg3 dans /etc/modules
désactiver ipv6
```

Création du répertoire /usr/local/logbook

Ce répertoire contiendra les fichiers de maintenance décrivant la liste de toutes les manipulations opérées

2

Upgrade

2.1. Upgrade

Check the content of `/etc/apt/sources.list` file in order to get packages list.

```
deb http://ftp.crihan.fr/debian/ stable main non-free contrib
deb-src http://ftp.crihan.fr/debian/ stable main non-free contrib
deb http://ftp.crihan.fr/debian-non-US/ stable non-US/main non-US/non-free non-US/contrib
deb-src http://ftp.crihan.fr/debian-non-US/ stable non-US/main non-US/non-free non-US/contrib
deb http://ftp.fr.debian.org/debian/ stable main non-free contrib
deb http://ftp.fr.debian.org/debian-non-US/ stable non-US/main non-US/non-free non-US/contrib
deb-src http://ftp.fr.debian.org/debian-non-US/ stable non-US/main non-US/non-free non-US/contrib
deb-src http://ftp.fr.debian.org/debian/ stable main non-free contrib
deb http://security.debian.org/ stable/updates main contrib non-free
```

Launch upgrade.

```
apt-get update
apt-get dist-upgrade
#taper ENTREE chaque fois qu'une question est posée, pour choisir la réponse pré-sélectionnée
#une erreur sur le paquet xfree86-common doit survenir, lancer la commande suivante pour la corriger
dpkg -i --force-a /var/cache/apt/archives/xfree86-common_4.3.0.dfsg.1-14sarge1_all.deb
apt-get dist-upgrade
#taper ENTREE chaque fois qu'une question est posée, pour choisir la réponse pré-sélectionnée
```