

# Mandriva 2007 Changelog

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## Distribution Changelog

### Main changes in Mandriva Linux ISO files

Summary of most important changes in each set of ISO files released

2006-08-15 WarLy 2007.0-0.4 Mandriva Linux 2007 Beta "Tyr"

\* Mandriva 2007 beta 3, see [MandrivaLinuxTyr?](#) for known issues,

languages available and ISO specific details

\* 417 bugs fixed, 517 reported since last beta

\* Install Revision: 58514 (2006-08-28 19:43:01 +0200) / Drakxtools

10.4.60

+ Network

- o invictus: don't write world-readable ucarp.d files, they contain passwords

- o write GATEWAY settings ( [bug\\_small.png Bug #20169](#))

- o drakids: display an error message when the daemon isn't started at all (instead of dying silently)

- o tmdns isn't used anymore

- o net\_applet: allow to run drakvpn from VPN submenu

- o net\_applet: move wireless configuration button in wireless sub-menu

- o drakroam: don't show ndiswrapper choice

- o wireless: allow to select automatically usable devices only

- o drakfirewall: don't write icmp rules for IFW ( [bug\\_small.png Bug #24645](#))

- o add interface alias in modules conf for ethernet/wireless devices ( [bug\\_small.png Bug #24384](#))

- o write modules conf in drakconnect ( [bug\\_small.png Bug #24384](#))

+ Video

- o drak3d: fix default compiz selection when Xgl is used

- o use [XaaNoOffscreenPixmap?](#) for i810 and ati ( [bug\\_small.png Bug #24628](#))

- o re-enable RenderAccel? by default on nvidia proprietary driver (pb fixed with version 8774)

- o really ensure that task-3ddesktop is installed

- o list compiz as a window manager
- o finish-install: 3D desktop support in finish-install
- o drak3d: fix compiz detection
- o allow specifying EXA on i128 ati sis trident via savage (list taken from <http://wiki.x.org/wiki/ExaStatus>)
- o allow setting BIOSHotkeys on radeon
- o Clone is the default on ATI, allow forcing no Clone (fix buggy detection of the CRT, as reproduced here on a thinkpad here, and reported by Thomas Backlund on cooker)
- o really ensure task-x11 is installed (testing the presence of rgb.txt is not enough) ( bug\_small.png Bug #24529)
- o only enable Composite by default on i810 since \* it doesn't work on proprietary nvidia \* it doesn't work nicely on radeon \* it conflicts with DRI on fglrx \* it conflicts with XGL \* Clone option on intel and nvidia
- + Look and feel
- o drak3d: fix layout when embedded
- o make gtk2 watch method work again ( bug\_small.png Bug #24589)
- o new icons for a lot of tools
- o enable again to select individual packages ( bug\_small.png Bug #24522)
- o reintroduce old version for services/package browsing at install time ( bug\_small.png Bug #24522, bug\_small.png Bug #24517, bug\_small.png Bug #24496)
- o drak splash: check that a valid theme name and image are selected ( bug\_small.png Bug #24591)
- + Printing
- o Updated instructions for faxing with HP MF devices.
- o Do not let an extra entry for a fax queue be listed in the printer auto-detection results. This can lead to two fax queues for one HP MF device being generated.
- o Let the "no\_device\_found" output of HPLIP's "hp" and "hpfax" CUPS backends not be interpreted as an additional printer
- o Wait 2 sec between detection of plugged printer and automatic print queue setup, as some printers need to load their firmware and during firmware upload the automatic queue setup does not work (device ID not readable).
- o Fixed dynamic PPD file generation during installation
- + Hardware
- o stop stage1 generation when the PCI/USB/PCMCIA modules aren't available (may happen when the kernel isn't installed, bug\_small.png Bug #21918)
- o Remove more disk/scsi modules for x86\_64: tmscsim (DC930T) only 2 pcitable entries and code probably not 64-bit clean, qllogicfas408, originally ISA card (not

supported) and PCMCIA model unlikely to be used with an SCSI CD Reader anyway

o we now handle raid6 ( bug\_small.png Bug #24637) (thanks to Luca Berra)

o (dmidecode) do not try to run dmidecode if not root ( bug\_small.png Bug #24478)

o make sure rt2570 devices reporting themselves as rtusb are detected ( bug\_small.png Bug #24461)

o bootloader: use more explicit variable names, and fix "unknown line ..." (cf logs in bug bug\_small.png Bug #24320)

o add a evdev entry for mice with an horizontal wheel (still need inverting buttons 6 & 7 though)

o don't ask wether we want to emulate 3rd button on 2 buttons mice since it doesn't change anything currently

o ensure we don't die computing the number of cylinders (the bug occured when HDIO\_GETGEO succeeds, but returning 0) ( bug\_small.png Bug #24096, bug\_small.png Bug #24042)

o introduce a "USB mass storage" class in order to catch some devices ( bug\_small.png Bug #21836)

o synaptics touchpad do not need "Protocol auto-dev" nor "Device ..." (need tests on ALPS to ensure it is the same)

\* kernel 2.6.17-2mdv2007.0, same as in 2007.0-0.3 (beta 2)

\* Desktop

+ KDE 3.5.4

+ Gnome 2.16 RC 1

\* Some of the other new packages available for this beta (some of them are only available via FTP sources for space limitation on the CDs)

+ alsa-oss 1.0.12 Advanced Linux Sound Architecture (ALSA) library

+ audacious 1.1.2 A versatile and handy media player

+ avahi 0.6.13 Avahi service discovery (mDNS/DNS-SD) suite

+ beagle 0.2.8 GNOME indexing subsystem

+ bittorrent 4.20.9 BitTorrent? is a tool for copying files from one machine to another

+ Borges 0.14.8 Mandriva Linux Documents Management System

+ cairo 1.2.4 Cairo - multi-platform 2D graphics library

+ cups 1.2.3 Common Unix Printing System - Server package

+ evolution 2.7.92 Integrated GNOME mail client, calendar and address book

+ f-spot 0.2.0 A full-featured personal photo management application for the GNOME desktop

+ gset-compiz 0.3.4 A compiz configuration tool

+ ia\_ora-gnome 1.0.4 Ia Ora Mandriva GNOME theme

+ k3b 0.12.17 CD-Burner for KDE

+ mono 1.1.17 Mono Runtime

- + proftpd 1.3.0 ProFTPd? -- Professional FTP Server
- + rosegarden 1.2.4 Midi, audio and notation editor
- + rpmdrake 3.1.1 Mandriva Linux graphical front end for software installation/removal
- + ruby 1.8.5 Object Oriented Script Language
- + tor 0.1.1.23 Anonymizing overlay network for TCP (The onion router)

2006-08-15 WarLy 2007.0-0.3 Mandriva Linux 2007 Beta "Odin"

\* Mandriva 2007 Beta 2, see MandrivaLinux2007Odin for known issues, languages available and ISO specific details.

\* 587 bugs solved since the last beta, 478 reported.

\* Install / Drakxtools 10.4.50-1mdv2007.0

+ hardware

o kernel: adapt to new kernels (-i586-up-1GB is now -legacy, standard kernel is smp but not 64GB anymore)

o harddrake: create and package

/etc/sysconfig/harddrake2/service.conf that enable to disable some auto configuration done by the harddrake service, enable to disable hardware probing per class ( bug\_small.png Bug #24071) \* harddrake: display PCI/USB ids as hexa like lspcidrake does ( bug\_small.png Bug #21220), workaround do\_pkgs->is\_available() destroying \$\_ ( bug\_small.png Bug #23327)

+ Look and Feel

o Theme: use Ia Ora instead of Galaxy (theme)

o don't show the "releases notes" button if empty ( bug\_small.png Bug #23304) \* try harder to find releases notes (eg: for finish-install) ( bug\_small.png Bug #23304) \* fix inactive "close" button ( bug\_small.png Bug #23266) \* (real\_main) fix bad window sizing ( bug\_small.png Bug #23552)

+ Video \* adapt to new fonts location \* XFdrake: get rid of weird chars ( bug\_small.png Bug #24078) \* handle evdev (keyboard or mouse) \* X fonts move to /usr/share

+ Printer

o Added automatic download of ICM color profiles for printers driven by the "foo2zjs" driver from the internet;

o Made duplicate detection of the same printer being recognized also with HPLIP 1.6.7 and newer; \* Added automatic setup for firmware file installation for the HP LaserJet? 1000, 1005, 1018, and 1020.

+ Packages

o Orca is replacing gnopernicus;

o Replace galaxy-gnome by ia\_ora-gnome. \* drakxvt use /usr/bin/xvt (from Nicolas L-Aécureuil, bug\_small.png Bug #24213)-b

+ Network

o use network::connection::isdns ( bug\_small.png Bug

#24244)

- o atmel wireless drivers are now named atmel\_cs and atmel\_pci (instead of at76c50\*) \* use NTP pools from pool.ntp.org instead of hardcoded NTP servers (get\_ntp\_server\_tree)
- + fix ntp parsing when country name contains a space (bug\_small.png Bug #24215)
- + show VPN sub-menu even if only one connection is configured
- + don't show a VPN connection button if no VPN connection is configured ( bug\_small.png Bug #24203)
- + don't use caching-nameserver but directly "bind" and "named"
- + wrap VPN command for non-root users
- \* kernel 2.6.17
- + Enable HUGETLBFS (GwenoleBeauchesne)
- + Factor out configs (GwenoleBeauchesne)
- + 2.6.17.8 (ArnaudPatard?)
- + ALSA 1.0.12rc2 (ArnaudPatard?)
- + Add usb ids for the Testo usb device (bug bug\_small.png Bug #23666) (ArnaudPatard?)
- + Add quickcam messenger driver for 2.6.18-rcX (ArnaudPatard?)
- + ata\_piix/ICH8 fixes (ArnaudPatard?)
- + ACL support for tmpfs (bug bug\_small.png Bug #24045) (ArnaudPatard?)
- + Add DI20\_initialize\_hw\_regs\_in\_setup\_ports.patch from 2006-upd (ArnaudPatard?)
- + i965 support (ArnaudPatard?)
- + Intel iAMT redirection drivers (ArnaudPatard?)
- + Add support for chipset realtek 8168. (bug bug\_small.png Bug #23705) (SamirBellabes)
- + Add netfilter ipset patch (SamirBellabes)
- + Add netfilter conntrack/nat sip patch (SamirBellabes)
- + Add netfilter psd patch. (SamirBellabes)
- \* Desktop
- + Gnome 2.16 beta (2.5.91)
- + KDE 3.5.4
- \* Some of the other new packages available for this beta (some of them are only available via FTP sources for space limitation on the CDs)
- + alsa-tools 1.0.12: Advanced Linux Sound Architecture (ALSA) tools
- + amarok 1.4.2: A powerful media player for Kde
- + apache 2.2.3: The most widely used Web server on the Internet
- + banshee 0.11.0: Music player with mobile player support
- + blender 2.42a: A fully functional 3D modeling/rendering/animation package
- + dbus 0.91: D-Bus message bus
- + dmraid 1.0.0: Device-mapper ATARAID tool
- + epiphany 2.15.91: GNOME web browser based on the mozilla rendering engine
- + evolution 2.7.91: Integrated GNOME mail client, calendar and

address book

- + gaim 2.0.0: A GTK+ based multiprotocol instant messaging client
- + gnucash 2.0.1: GnuCash? is an application to keep track of your finances
- + gutenprint 5.0.0: Photo-quality printer drivers primarily for inkjet printers
- + ia\_ora-gnome 1.0.1: Ia Ora Mandriva GNOME theme
- + iptables 1.3.5: Tools for managing Linux kernel packet filtering capabilities
- + kerry 0.1.1: Desktop search tool
- + koffice 1.5.90: Set of office applications for KDE
- + mozilla-firefox 1.5.0.6: Mozilla Firefox Web Browser
- + MySQL? 5.0.24: MySQL? a very fast and reliable SQL database engine
- + qemu 0.8.2: QEMU CPU Emulator
- + rails 1.1.4: Web-application framework with template engine, control-flow layer, and ORM
- + sylpheed 2.2.7: A GTK+2 based, lightweight, and fast e-mail client
- + xgl 0.0.1: Xserver that uses OpenGL?.

2006-07-27 WarLy 2007.0-0.2 Mandriva Linux 2007 Beta "Thor"

\* Mandriva 2007 Beta 1, see MandrivaLinux2007Thor ( Spanish ) for know issues, languages available and ISO specific details.

\* New mirror structure. The development is currently evolving, the media will be divided in subsections (release for official packages, updates, backport and testing)

\* About 640 new bugs reported since the last alpha release, and (strangely) about 640 old bug closed during the same period.

\* Install Revision: 42141 (2006-07-25 20:34:34) / Drakxtools 10.4.42

+ Network

o allow not to log firewall messages in system logs ( bug\_small.png Bug #23690)

o add step labels ( bug\_small.png Bug #23796)

o fix typo in ueagle-atm fir,mare path ( bug\_small.png Bug #23398)

o remove "Track network card id (useful for laptops)" option (we do this by default using udev rules anyway), and fix bug\_small.png Bug #23414 as a side effect

o drakroam

# refresh networks on every network status event ( bug\_small.png Bug #23862)

# add a status bar and display network event messages ( bug\_small.png Bug #19290)

# reload interface settings before configuration ( bug\_small.png Bug #23803)

+ write settings after configuration, not only before connection (partial fix for bug\_small.png Bug #23803)

+ select the first interface that doesn't have a slow network

scan

- + allow to select interface from command line
- + grey Configure/Refresh buttons when no device is selected ( bug\_small.png Bug #23794)
- o grey the Connect button when no network is selected ( bug\_small.png Bug #20168)
- + fix connection to AP passed as argument ( bug\_small.png Bug #23628)
- o Wireless
  - # use "wext" wpa\_supplicant driver for ndiswrapper as well (ndiswrapper >= 1.12)
  - # don't pre-select WPA only because WIRELESS\_WPA\_DRIVER is set
  - # write wireless encryption key even if WPA (so that we can guess it from ifcfg, we don't parse wpa\_supplicant.conf yet)
  - # re-read ssid configuration each time it is accessed
  - + don't allow to modify ESSID if a network with a valid ESSID is selected
  - + fix configuring an AP without ESSID
  - + acx100 firmware support
  - + add group labels to separate settings ( bug\_small.png Bug #23796)
  - + guess encryption according to network flags
  - + bcm43xx firmware support
  - + add zd1211rw module in network/wireless
  - + handle prism2 drivers using thirdparty layer
- o drakgw
  - # test caching-nameserver using /usr/sbin/named
  - o net\_applet
  - # fix signal level ( bug\_small.png Bug #23799)
  - + use network card description in state notification bubble if possible
  - + add wireless access point and link level in state notification bubble
  - + show notification bubble on state change
- + Hardware
  - o Make installation stage 1 able to boot dual arch CDs
  - o Cpufreq: fix crash when modules doesn't exist
  - o greatly increase the swap maxsize (useful for swsuspend)
  - o make isLaptop() return true if Type is "laptop", using dmitable entries for example ( bug\_small.png Bug #23197)
  - o Sound: install the proper firmware for "snd-asihpi" driven sound cards
  - o tag systems with ipw2100/2200/3945 devices as laptops, they are Mini-PCI (Express) adapters
  - o handle new centrino model ( bug\_small.png Bug #22914)
  - o don't fail when preload modules can't be loaded ( bug\_small.png Bug #23674)
  - o configure CPU frequency modules in harddrake and during

install (will replace the cpufreq service)

o Video

# use Modes instead of Virtual by default (it seems we don't need to list the smaller resolutions anymore with Modes, and Modes works better than Virtual. eg: on a laptop here, we end up with only 1400x1050 in xrandr when using Virtual, whereas with Modes, we have 1024x768, 800x600...)

o allow toggling Composite extension (on by default), and RenderAccel? proprietary nvidia option (on by default until this driver works better)

o allow to choose the non-proprietary driver

+ Tools

o drakbug: allow to report drakroam bugs, fix parsing new packages fullnames (tropikhajma@seznam.cz, bug\_small.png Bug #23066)

o drakbackup

+ Authentication

o differentiate local auth and NIS auth (by reading yp.conf)

+ Other bug fixes

o Fix bug\_small.png Bug #23368 - freeze at CD/DVD media selection

o bug\_small.png Bug #18840, bug\_small.png Bug #21361, bug\_small.png Bug #23557, bug\_small.png Bug #21502, bug\_small.png Bug #23514

+ Language

o set up SCIM for indian languages

o Update af, am, ar, az, be, bg, bn, bs, ca, cs, da, de, el, eo, es, eu, fa, fi, fuo, ga, gl, he, hi, hr, hu, id, is, it, ko, ky, lt, ltg, lv, mk, mn, ms, mt, nb, nl, nn, pa\_IN, pl, pt, pt\_BR, ro, ru, sc, sk, sl, sq, sr, sr@Latn, sv, ta, tg, th, tl, tr, uk, uz, uz@Latn, vi, wa, zh\_CN, zh\_TW

\* kernel 2.6.17

+ based on 2.6.17.6

+ Alsa 1.0.12rc1

+ Rsbac 1.2.8(pre1)

+ New Xen snapshot

+ New wireless-2.6 snapshot (adds zd1211rw driver)

+ KGDB drop

+ e100, e1000 update

+ Via VT8251 sata support

+ vt\_ar5k drop. Considered as obsolete by upstream.

+ svgalib\_helper drop.

+ 3rdparty updates : acerhk, drbd, dxr3, ipw3945, ivtv, lirc, mod\_marvel, ndiswrapper

+ re-enable supermount (fix bug bug\_small.png Bug #23217)

+ ct\_sync aka 'howto replicate the firewall'

\* Desktop



- + Gnome 2.16 beta 1
- + KDE 3.5.3
- \* Some of the other new packages available for this beta (some of them are only available via FTP sources for space limitation on the CDs)
- + jakarta 1.3
- + koffice 1.5.2
- + mono 1.1.16.1
- + MySQL? 5.0.23
- + abiword 2.4.5: Lean and fast full-featured word processor
- + aircrack-ng 0.6: Reliable 802.11 (wireless) sniffer and WEP key cracker
- + alacarte 0.9.2: Simple menu editor for Gnome
- + amarok 1.4.1: A powerful media player for Kde
- + amphetamine 0.8.10: Amphetamine is a cool Jump'n Run game
- + audacious 1.1.1: A versatile and handy media player
- + avahi 0.6.12: Avahi service discovery (mDNS/DNS-SD) suite
- + azureus 2.4.0.3: BitTorrent? Client
- + bacula 1.38.11: Bacula - The Network Backup Solution
- + balazar 0.3.1: A 3D adventure and roleplaying game
- + bittorrent 4.20.4: BitTorrent? is a tool for copying files from one machine to another
- + bmpx 0.20.3: Next generation Beep Media Player
- + Borges 0.14.4: Mandriva Linux Documents Management System
- + cairo 1.2.0: Cairo - multi-platform 2D graphics library
- + castpodder 5.1: Graphical podcast catcher and player:
- + circuslinux 1.0.3: Cute breakout-like game
- + cpufreqd 2.1.1: CPU frequency scaling daemon
- + cups 1.2.2: Common Unix Printing System - Server package
- + dasher 4.1.8: Graphical predictive text entry system
- + ecell 3.1.105: A software suite for modeling, simulation, and analysis of biological cells
- + eclipse 3.2.0: An open, extensible IDE
- + egroupware 1.2.104: Web-based groupware suite written in php
- + epiphany 2.15.4: GNOME web browser based on the mozilla rendering engine
- + evince 0.5.4: GNOME Document viewer
- + evolution 2.7.90: Integrated GNOME mail client, calendar and address book
- + gimp 2.3.10: The GNU Image Manipulation Program
- + Gnome 2.16 beta 1 (including totem, nautilus)
- + gncash 2.0.0: GnuCash? is an application to keep track of your finances
- + gsoap 2.7.8c: Development toolkit for SOAP/XML Web services in C/C++
- + perl-Catalyst 5.7000: The Elegant MVC Web Application Framework
- + syslinux 3.11: A bootloader for linux using floppies, CD
- + webmin 1.290: An SSL web-based administration interface for Unix systems

- + wine 0.9.17: WINE Is Not An Emulator - runs MS Windows programs
- + xdtv 2.3.3: TV application with plugin capabilities (new name of xawtv)
- + xfce 4.3.90.2: Lightweight Desktop Environment

2006-06-22 WarLy 2007.0-0.1 Mandriva Linux 2007 Alpha "Frige"

\* First 2007 alpha version composed of four different live installable CDs, one i586 KDE, one x86\_64 KDE, one i586 Gnome and one x86\_64 Gnome

\* See MandrivaLinux2007Frige page for languages and ISO files specific details

\* Mandriva One installation based on DrakX Revision: 37230 of 2006-06-14 18:55:48 +0200 (Wed, 14 Jun 2006)

+ Languages update: af, am, ar, az, be, bg, bn, br, bs, ca, cs, cy, da, de, el, eo, es, et, eu, fa, fi, fr, fur, ga, gl, he, hi, hr, hu, id, is, it, ja, ko, ky, lt, ltg, lv, mk, mn, ms, mt, nb, nl, nn, pa\_IN, pl, pt, pt\_BR, ro, ru, sc, sk, sl, sq, sr, sr@Latn, sv, ta, tg, th, tl, tr, uk, uz, uz@Latn, vi, wa, zh\_CN, zh\_TW

+ Network (OlivierBlin)

o initial bluetooth support

o add draknetprofile

o pass real network::connection object in

configure\_control\_compat step ( bug\_small.png Bug #22756)

o don't overwrite user-provided domainname by the one we guess ( bug\_small.png Bug #22480 fix #2)

o make sure guessed domain names really contain a name,

and not just a TLD ( bug\_small.png Bug #22480 fix #1)

o adapt to new keyring image location in usermode ( bug\_small.png Bug #22813)

o add default metric for wireless

o write BOOTPROTO in ifcfg files for ethernet

o adapt to new keyring image location in usermode ( bug\_small.png Bug #22495)

o introduce is\_gigabit and use it to guess metric for ethernet

o handle metric in general control settings

o firmware check for ueagle-atm

o install packages before unloading connection

o really apply ONBOOT and USERCTL settings

o write ppp settings for static/dhcp connections

o add VPI/VCI settings for PPPoA?/PPPoE protocols

o don't give providers and protocols choices for CAPI DSL modems

o add xdsl type in devices

o fix signal quality detection

o clamp the TCP MSS to 1412 for PPPoE? connections (useful

- if the connection is to be shared on a LAN)
- o allow to have multiple interfaces in net zone ( bug\_small.png Bug #16917)
- o update shorewall interfaces list when a new interface is detected ( bug\_small.png Bug #21252)
- + Printer (TillKamppeter)
- o Some LaserJets? (e. g. LaserJet? 1022) were not recognized as HPLIP-supported, due to libusb-based HPLIP reporting URI with serial number but "usbip"-kernel-module based IOCTL polling of the device ID string by printerdrake does not return the serial number.
- o Made temporary PPD file also be accessible in sub programs called via "chroot" during installation
- o Better fix for bug bug\_small.png Bug #22935, the old one did not cover all cases
- o Improved/updated the instructions for faxing with HP multi-function devices
- o Let faxing instructions also appear in the help window of fax queues
- o Added welcome screen to fax queue setup wizard, this way one can easily abort the setup of a fax queue if one does not want to have one.
- o Let also the model info output from the "snmp" CUPS backend be straightened, not only the output from "scli",
- o Fixed bug of the network printer setup dialog not distinguishing correctly between an auto-detected printer chosen from the menu and a manually entered printer IP.
- o If the printer has optional hardware add-ons, pop up a dialog/wizard step to configure them when installing via Plug'n'Print or in recommended mode (in expert mode all options will be shown, as before).
- o Fixed problem of having two choices with the same menu entry in a an option in the PPD file (should not be, really bad usability) breaks setting up printers/changing options/changing printer name in printerdrake
- o Use "CUPS + Gutenprint" and not "GhostScript + gutenprint-ijg" PPDs in beginners mode
- o Show all important options of Gutenprint without needing to click "Advanced" button
- o Do not let printerdrake install gutenprint-ijg and gutenprint-foomatic any more
- o SNMP auto-detection in the remote LPD printer dialog - Fixed regexps for LPD and Socket URIs
- o Use auto-detection via CUPS "snmp" backend also for interactive print queue setup.

- o Added support for local and network device auto-detection via CUPS backends
- o Made auto queue setup use the CUPS backends for detecting local and network devices
- o Improved recognizing the correct printer model based on the auto-detection data, especially for network devices
- o Improved recognition whether for an auto-detected device there is already a queue
- o Improved device model recognition for the HPLIP setup
- o Support for on-the-fly PPD generation by CUPS
- o Get all info about supported printer models from CUPS if CUPS is the printing system in use. Foomatic PPDs are built by CUPS on-the-fly
- o Speed optimization for building of the list of supported models
- o Bug fixes for building of the list of supported models
- o Tell user that for his HP MF device two queues will be set up, a print queue and a fax queue
- o Give the possibility to cancel the print queue setup for only having a fax queue also during installation
- o Let auto-queue setup of an HP MF device be done also when there is no print queue but a fax queue already exists
- o Let auto-queue setup not create a second fax queue for an HP MF device if a fax queue already exists
- o Make the fax queue setup for HP MF devices also work when there is no print queue for the device
- o Ask always for the fax queue name when creating a fax queue and there is already one for the device
- o When the user clicks "Cancel" during the print queue setup, the wizard for the fax queue is still started. So a fax-only setup is also possible.
- o Now fax queues can also be added in wizard mode
- o Adding a fax queue to an HP MF device which is already set up can be done by its "Edit Printer" menu
- o Implementation of automatic setup of fax queues for HP multi-function devices. Works for plug'n'print and should also work during installation. Only integration into the printer setup wizard and manual fax queue setup is missing yet.
- o Reload USB printer module before printer auto-detection, this way also USB printers claimed by libusb-based access methods (ex. HPLIP) get detected.
- o Added support for new CUPS 1.2 error policy functionality and use it by default for backend error handling, use "beh" wrapper backend only for advanced configuration
- o Added support for individually (de)activating the sharing of print queues to the network

- o Display Fax queues for HP multi-function devices correctly in the main window and in menus
- o Let printerdrake read /etc/cups/cupsd.conf of CUPS 1.2 correctly
- o Added support for remote LPD URIs without queue name (uses default queue on server, makes setup of ethernet printers very easy as only IP address is needed, one needs queue field in remote LPD setup screen simply blank)
- o Added support for TCP/Socket URIs without port number (defaults to port 9100)
- o Added support for IPP URIs. - Let free URI input interface be pre-selected if user changes connection type of printer with unknown or unsupported URI type
- o Avoid one and the same printer appearing twice in auto-detection results (especially HP printers are detected by both "hp" and "usb" CUPS backends).
- o Fixed Plug'n'Print for HP's MF devices: The devices are detected twice and this let the Plug'n'Print window pop up when the device is already installed.
- o New "Network printer" dialog replacing the old dialogs for TCP/Socket and remote LPD printers. With fast broadcast SBNP network scan and auto-detection of protocol (Socket, LPD, and IPP) via SNMP. - New dialog used in both expert and recommended (bug bug\_small.png Bug #20617) mode.
- o Improvements and fixes on printer model/driver listing in printerdrake
- # Corrected handling of PPD links in Foomatic printer XML files, no the printer list entries have the correct model names of the Foomatic printer XML files and so PPDs linked to multiple printers appear with each linked printer in printerdrake. This also avoids duplicate "(Recommended)" tags for one printer (problem occurred with HP LaserJet? 1200).
- # Avoid duplicate PPD entries for Foomatic-generated PPDs and identical pre-generated Foomatic PPDs in /usr/share/cups/model. This problem occurred when the hplip-hpijs-ppds package is installed.
- + Hardware (OlivierBlin, ThierryVignaud, PascalRigaux)
- o don't try to load PCMCIA controller when none is configured
- o add yet another PPC sound driver (snd-aoa)
- o add support for "laptop" kernels (were known as multimedia or mm kernels)
- o use sysfs to get PCMCIA devices and the modalias module to get matching modules
- o add modalias module, providing a get\_modules() function

to resolve modaliases the way modprobe does it

- o remove unneeded PCMCIA "type" device setting, but keep crappy PCMCIA devices check for modems
- o fix detecting some webcams ( bug\_small.png Bug #22452)
- o drop support for kernel 2.4
- o Use the short\_ext even for the short label, for xen kernels, use xen.gz to load the kernel as grub "module", set dom0\_mem to 128M or half the memory on low memory boxes
- o fix again cooker/x86\_64; on this architecture, we definitely need TLS in order to have a working rpm
- o Since the BOOT kernel in cooker can't be used (too big) for some time, handle in the code the getting of 10.1 BOOT kernel (i was replacing by hand the cooker kernel-BOOT with the one from 10.1, hoping one day the cooker kernel-BOOT could be used again, but nowadays kernel-BOOT is seldom used to let it die)
- o sync bttv, cx88 and saa7134 driver model lists with kernel-2.6.16-rc1-mm2
- o add support for gigabit sky2 driver (appeared in 2.6.16-rc1)
- o Better (and fix) SMP detection, aka. also check for populated & enabled CPU socket.
- o use BLKGETSIZE64 to allow detecting partitions bigger than 2TB, and use "double" instead of "unsigned int" (nb: it means we will use doubles instead of ints for computing things, this works quite nicely up to 100\_000TB)

+ Graphical Configuration (PascalRigaux)

- o remove DRI\_GLX\_EXPERIMENTAL support (not much such cards nowadays), remove xorg\_version() since we only have one Xorg version (and for a long time now)
- o defaulting to 1024x768 instead of 800x600 when the monitor size is unknown (since a lot of people expect this, and that's what fedora is doing, cf bug\_small.png Bug #20304)

+ Packages choice (PascalRigaux)

- o install x11-font-wqy-bitmapfont too for chinese locale

+ Look&Feel (ThierryVignaud)

- o do not put titles in size groups which add extra left spacing to other widgets when adding new titles
- o use spacing to separate groups like specified in GNOME's HIG
- o fix layout when translated by using single verbs or words when possible (fix some hidden steps btw in order to prepare the day when the may be showed again) ( bug\_small.png Bug #8985)
- o handle LSB description tags ( bug\_small.png Bug #20998)

\* New release extension 'mdv2007.0'

- \* kernel 2.6.16-2mdk
- + 2.6.16.20
- + RS02/RS11 cleanup
- + Removed bcm4400. We have the b44 module in the kernel
- + Fix usage of acpi\_clear\_event() in CE06
- + Enable cpufreq on SMP, disable USB\_BANDWIDTH
- + Switch to GENERIC\_ARCH on x86 to suppress the false warning about the number of cpus when using cpu hotplug
- + Fix freeze when using the 'live' mode of gi (instead of using the clp files)
- + Activate RSBAC\_INIT\_DELAY to get rsbac working with all kind of initrd/initramfs
- + Wireless update (Adds the bcm43xx driver)
- + mmc layer update (Adds the sdhci driver)
- + e1000 update
- + Xbox support outdated, so (temporary ?) removed
- + Alsa 1.0.11
- + RSBAC 1.2.6
- + New Xen snapshot
- + ipw3945
- + Avoid automatic update of kernel-source without updating the kernel:
  - o Put package version on package name for kernel-source and kernel-source-stripped (%BUGS{21345}%)
- + update ipt\_IFWLOG (interactive firewall)
- + Fix bad update of RS11
- + Drbd 0.7.15
- + Dropped the now merged ipw2100, ipw2200, ieee80211, fuse, hostap 3rdparty tarballs.
- + Changed the eagle-usb driver in favour of the to-be-merged version
- + Use now the acx driver from akpm's tree.
- + Update 3rdparty drivers : lirc, ndiswrapper, rt2400, rt2500
- + Added rt2570 usb driver.
- + netfilter update (DN30\_netfilter\_svn6470.patch)
- + unionfs 1.1.3
- \* Xorg 7.1
- \* Glibc 2.4
- \* KDE 3.5.3
- \* Gnome 2.15
- \* OpenOffice.org 2.0.2
- \* rpm 4.4.6
- \* Mozilla Firefox 1.5.0.4
- \* Amarok 1.4.1
- \* xmoto 0.1.16