

# **Technical specifications for Mandriva Linux 2010 Spring**

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Revision History

Revision 0.5 11 Jun 2009 Revised by: FC/AN  
2010 initial specs

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# Introduction

This document describes the ideas of new functionalities or improvements for Mandriva Linux 2010 products. Each part has an author which can answer questions if some things are unclear (Author field), a version (Version field), an id (Id field) to identify uniquely the part for external reference, a person and a team responsible for the realisation (Implementor and Team fields), a Priority field between 0 and 5 (5 being the more priority) and a Status field to show the development status.

# Chapter 1. Distribution Core

<i>Id</i>	<i>Pri</i>	<i>Title</i>	<i>Implementor</i>	<i>Status</i>
spec100		Kernel		
	3	Remove old kernel on upgrade	tvignaud@mandriva.com	90%
	5	Improve wireless support	herton@mandriva.com	80%
	5	Switch to new unionfs branch	kernel@mandriva.com	0%
	5	Switch to dracut	fcrozat@mandriva.com	0%
	5	Support drbd	herton@mandriva.com	0%
spec107	5	Xorg 1.7	pzanoni@mandriva.com.br	100%
spec116	4	HAL removal plan	pzanoni@mandriva.com, cfergeau@mandriva.com	0%
spec104	3	IPv6 support	eugeni@mandriva.com.br, blino@mandriva.com	0%
spec101	3	Boot		
	0	Switch to GRUB2 ?	cfergeau@mandriva.com	0%
	3	Create optional ghost compliant mode for GRUB install	cfergeau@mandriva.com	0%
	3	initscript improvements	oblin@mandriva.com / fcrozat@mandriva.com	50%
	3	Change failsafe access on gfxboot	cfergeau@mandriva.com	0%
	4	Complete / reorganize grub menu	cfergeau@mandriva.com	0%
spec105	3	Security tools redesign	Eugeni Dodonov <eugeni@mandriva.com>, Herton <herton@mandriva.com.br>	85%
spec103	5	Improve cryptographic data support		
	4	Obsolete cryptoloop	Pascal Terjan <pterjan@mandriva.com>	0%
	4	Make crypto support more obvious in the interface	Pascal Terjan <pterjan@mandriva.com>	0%
	4	Allow user to have its home encrypted	Pascal Terjan <pterjan@mandriva.com>	0%
spec102	3	Packaging System		
	2	rpm rebuild bot	tvignaud@mandriva.com	0%
	3	Enhance repositories description	cfergeau@mandriva.com tvignaud@mandriva.com	70%

	3	Switch to rpm 4.7 (or 4.8 if available)	cfergeau@mandriva.com	0%
spec108	3	Guest account	tvignaud@mandriva.com	90%
spec235	3	Merge gdiim port in cooker	apatard@mandriva.com	80%
spec112	3	Clean icedtea / openjdk	cfergeau@mandriva.com	0%
spec113	3	JPackage Integration	engineering team	0%
spec114	4	Moblin UI	claudio@mandriva.com, blino@mandriva.com	80%
spec115	2	Installation size	Engineering Team	80%

## Chapter 2. Mandriva Tools

<i>Id</i>	<i>Pri</i>	<i>Title</i>	<i>Implementor</i>	<i>Status</i>
spec210	3	New design for installer	tvignaud@mandriva.com	90%
spec251	5	Installer: better management of advanced options	tvignaud@mandriva.com	0%
spec253	5	Installer: make desktop choice easier	tvignaud@mandriva.com	0%
spec221	1	Add map to choose geographic position to installer	cfergeau@mandriva.com	0%
spec241	2	Allow to create btrfs and NILFS2 partitions with installer	pterjan@mandriva.com	0%
spec200	3	Windows migration tool	oblin@mandriva.com, salem@mandriva.com	0%
spec213	3	Drakxtools UI review	anicolas@mandriva.com, alefevre@mandriva.com	30%
spec202	3	drakguard improvements	eugeni@mandriva.com.br	50%
spec261	5	Simplify network tools	claudio@mandriva.com	0%
spec203	3	network tools memory footprint reduction	eugeni@mandriva.com.br	80%
spec205	3	3G features request	eugeni@mandriva.com.br, tvignaud@mandriva.com, cfergeau@mandriva.com, blino@mandriva.com, kernel@mandriva.com	33%
spec250	5	Better firmware management for wifi	claudio@mandriva.com	0%
spec255	5	Add more signal level	claudio@mandriva.com	0%
spec230	3	Improve icon for protected network interfaces	Anne, Designer	0%
spec211	1	libparted port of diskdrake	pterjan@mandriva.com	90%
spec217	3	Improve user information in rpmdrake	tvignaud@mandriva.com	80%
spec214	2	Provide popularity attribute for packages	tvignaud@mandriva.com	0%
spec218	3	Urpmi media auto configuration in all products	cfergeau@mandriva.com tvignaud@mandriva.com	90%
spec220	3	Autodetect local urpmi repositories	cfergeau@mandriva.com	0%

spec204	3	Draksnapshot restore tools	frozat@mandriva.com boiko@mandriva.com tvignaud@mandriva.com	20%
spec242	5	Improve management of non broadcasting printing servers	salem@mandriva.com	0%
spec267	5	Review need of hp packages for non-hp printers	salem@mandriva.com	0%
spec222	2	Hardware test live CD	oblin@mandriva.com, cfergeau@mandriva.com	0%
spec208	3	PolicyKit integration in Mandriva Tools	tvignaud@mandriva.com	0%
spec235	3	Improve hybrid ISO images	cfergeau@mandriva.com, pterjan@mandriva.com	10%
spec237	3	Simplify post-install (One / Flash) steps	cfergeau@mandriva.com	0%
spec247	3	Improve post-install (One / Flash) steps	cfergeau@mandriva.com	0%
spec238	3	Clean-up xorg.conf file (input)	cfergeau@mandriva.com	95%
spec248	3	Clean-up xorg.conf file (video)	cfergeau@mandriva.com	0%
spec239	3	Notification framework rework	Engineering team	0%
spec240	3	Spanish Translations	andre@mandriva.com	60%
spec244	5	Startup tour	anicolas@mandriva.com	0%
spec245	3	GPT support	pterjan@mandriva.com	0%
spec246	3	Rewrite RAID support	pterjan@mandriva.com	0%
spec249	4	Integrate server wizard	anne.nicolas@mandriva.com	0%
spec256	5	Simplify network configuration	claudio@mandriva.com	0%
spec258	5	Start One installation from boot menu	cfergeau@mandriva.com	0%
spec260	5	Add several tools to One gfxboot menu	cfergeau@mandriva.com	0%
spec262	5	Add rescue mode to One gfxboot menu	cfergeau@mandriva.com	0%
spec264	5	Install additional packages after One install	cfergeau@mandriva.com tvignaud@mandriva.com	0%
spec257	5	Review One installer UI	cfergeau@mandriva.com	0%
spec259	5	Improve rpmdrake search	tvignaud@mandriva.com	0%
spec266	5	Allow to configure download directory in rpmdrake	tvignaud@mandriva.com cfergeau@mandriva.com	0%
spec263	5	Add fsck option in rescue	cfergeau@mandriva.com	0%
spec265	5	Move MBR install screen to summary	tvignaud@mandriva.com	0%



## Chapter 3. Desktop environments

<i>Id</i>	<i>Pri</i>	<i>Title</i>	<i>Implementor</i>	<i>Status</i>
spec300	3	Icons theme choice	KDE and GNOME teams	0%
spec301	3	Reduce dictionaries proliferation	fcrozat@mandriva.com, KDE team	0%
spec303	3	KDE		
	3	krandr improvements	boiko@mandriva.com	70%
	4	Add fingerprint support in KDM	kde@mandriva.com	0%
	5	Switch to XFdrake from KDM if needed	kde@mandriva.com	0%
	5	Smart desktop	kde@mandriva.com	0%
	5	Improve Firefox integration in KDE	kde@mandriva.com	0%
	3	Add multitouch support	kde@mandriva.com	0%
	4	Plasma netbook interface	nlecureuil@mandriva.com	0%
	5	Ia_Ora cleanup	kde@mandriva.com	0%
spec304	3	GNOME		
	3	Port Ia-Ora to Cairo	fcrozat@mandriva.com	0%
	3	Add theme support to GDM 2.28	fcrozat@mandriva.com	0%
	3	Improve color management in GNOME	fcrozat@mandriva.com	0%
	3	UI improvement in Mandriva GNOME	fcrozat@mandriva.com	50%
	3	tooltips improvement in GTK+	fcrozat@mandriva.com	0%
	3	Integrate GNOME-Shell	fcrozat@mandriva.com	0%
spec306	3	Applications		
	3	Make Windows programs emulation easier	anicolas@mandriva.com	0%
	5	Package CoGrOO	cabral@mandriva.com	0%
	5	OpenOffice.Org KDE 4 FilePicker	cabral@mandriva.com, KDE team	40%
	4	Amazon plugin for popular multimedia applications	KDE team, GNOME team	0%
	5	Improve firefox updates management	claudio@mandriva.com	0%

spec252	5	Enable compositing manager by default	kde@mandriva.com, fcrozat@mandriva.com, cfergeau@mandriva.com	0%
spec254	5	Clean rpmsrate	anicolas@mandriva.com, fcrozat@mandriva.com	0%

# Chapter 4. Infrastructure

<i>Id</i>	<i>Pri</i>	<i>Title</i>	<i>Implementor</i>	<i>Status</i>
spec401	3	SVN migration	Blino, Bogdano	80%
spec408	3	Improve general svn management	Bogdano	40%
spec402	3	rpmlint improvements	oblin@mandriva.com, bogdano@mandriva.com	0%
spec403	3	youri upgrade	Blino, Guillaume Rouse	0%
spec404	3	Monitoring build system	nvigier@mandriva.com	0%
spec405	3	Improve build dependencies in build system	bogdano@mandriva.com	20%
spec406	3	Reduce nodes number	Blino	0%
spec407	3	Automatically clean testing repository	Bogdano	0%
spec409	3	Automate kernel dependant package rebuild/upload	Bogdano	0%
spec410	3	Improve DKMS package management	Blino	0%
spec411	3	Auto build One ISO	cfergeau@mandriva.com	0%
spec412	3	Clean GPG repository keys	cfergeau@mandriva.com	10%
spec413	3	Lazy archs in build system		0%
spec414	3	Add MIPS port in build system		0%
spec415	3	Add ARM port in build system		0%
spec416	3	Improve mirror list management	fcrozat@mandriva.com	0%