

# **Technical specifications for Mandriva Linux 2009 Spring**

## **Technical specifications for Mandriva Linux 2009 Spring**

### Revision History

Revision 0.2 26 Jun 2008 Revised by: FC/AN  
add new specs, revise previous one

# Table of Contents

- Introduction.....iv
- 1. Distribution Core .....1
- 2. Mandriva Tools .....3
- 3. Desktop environments .....5
- 4. Infrastructure.....6

# Introduction

This document describes the ideas of new functionalities or improvements for Mandriva Linux 2009 Spring 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 3 (3 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	Stable ABI for modules	Kernel team	0%
	3	Improve DKMS management	Kernel team, oblin@mandriva.com	0%
	3	Remove old kernel on upgrade	tvignaud@mandriva.com	0%
	5	Improve wireless support	herton@mandriva.com	0%
	5	Add some more tools support	herton@mandriva.com, lcapitulino@mandriva.com	0%
	5	Improve virtualization support	bogdano@mandriva.com, pterjan@mandriva.com	0%
spec109	5	glibc	herton@mandriva.com	0%
spec107	5	Xorg 1.6	ander@mandriva.com.br	0%
spec104	3	IPv6 support	eugeni@mandriva.com.br,blino@mandriva.com	0%
spec101	3	Boot		
	3	Improve boot time	Engineering team	50%
	3	GFXBoot bugs	pixel@mandriva.com	0%
	0	Switch to GRUB2 ?	pixel@mandriva.com	0%
	0	Ghost compliant mode for GRUB	pixel@mandriva.com	0%
	3	initscript improvements	oblin@mandriva.com / fcrozat@mandriva.com	0%
	3	Change failsafe access on gfxboot	pixel@mandriva.com	0%
spec105	5	Security tools redesign	Eugeni Dodonov <eugeni@mandriva.com>	0%
spec103	3	Improve cryptographic data support	pixel@mandriva.com	20%
spec102	3	Packaging System		
	3	RPM 4.6	pixel@mandriva.com	50%
	3	Orphans in urpmi	pixel@mandriva.com	80%
	3	Mirror handling, based on geographical localisation	pixel@mandriva.com	0%
	2	rpm rebuild bot	tvignaud@mandriva.com	0%
	3	Update reason on api query	pixel@mandriva.com	0%
	3	Repositories description	pixel@mandriva.com	0%

spec108	3	Guest account	tvignaud@mandriva.com	0%
---------	---	---------------	-----------------------	----

## Chapter 2. Mandriva Tools

<i>Id</i>	<i>Pri</i>	<i>Title</i>	<i>Implementor</i>	<i>Status</i>
spec206	1	no longer use hdlist inside installer	pixel@mandriva.com	0%
spec210	3	New design for installer	pixel@mandriva.com tvignaud@mandriva.com	90%
spec221	1	Add map to choose geographic position to installer	pixel@mandriva.com	0%
spec212	3	improve installer profiles based on hardware	pixel@mandriva.com	80%
spec234	3	Improve release notes access during installation	Thiery Vignaud	0%
spec216	3	Rewrite autorun Windows code	dlallement@mandriva.com	0%
spec223	3	USB stick ready ISO images / USB dump tool	aginies@mandriva.com,tvignaud@mandriva.com	0%
spec201	3	Tune default partitions size for installer	pixel@mandriva.com	0%
spec200	3	Windows migration tool	oblin@mandriva.com, salem@mandriva.com	0%
spec207	3	Live upgrade	tvignaud@mandriva.com dlallement@mandriva.com pixel@mandriva.com	90%
spec213	3	Drakxtools UI review	anicolas@mandriva.com	0%
spec202	3	drakguard improvements	oblin@mandriva.com	50%
spec203	3	network tools memory footprint reduction	oblin@mandriva.com	50%
spec205	3	3G features request	oblin@mandriva.com	33%
spec230	3	Improve icon for protected network interfaces	Anne, Helene	0%
spec225	3	Easier wifi key setup	tvignaud@mandriva.com	0%
spec211	3	libparted port of diskdrake	pixel@mandriva.com	0%
spec219	3	Help user in partitioning his disks	pixel@mandriva.com	0%
spec229	3	Allow to create ext4 partitions with installer	pixel@mandriva.com	0%
spec226	3	Improve rpmdrake startup speed	tvignaud@mandriva.com	0%

spec217	3	Improve user information in rpmdrake	tvignaud@mandriva.com	0%
spec214	2	Provide popularity attribute for packages	tvignaud@mandriva.com	0%
spec218	3	Urpmi media auto configuration in all products	pixel@mandriva.com	90%
spec215	3	Provide options on updates frequency	tvignaud@mandriva.com	0%
spec220	3	Autodetect local urpmi repositories	pixel@mandriva.com	0%
spec204	3	Draknsnapshot restore tools	fcozat@mandriva.com boiko@mandriva.com tvignaud@mandriva.com	20%
spec228	3	Remove some obsolete drakxtools	tvignaud@mandriva.com	0%
spec222	2	Hardware test live CD	blino@mandriva.com	0%
spec209	3	Mandriva One improvements	oblin@mandriva.com	50%
spec231	3	Improve liste of codecs packages in One and Free	blino@mandriva.com	0%
spec232	3	Improve Printing system management in One	Anne, Helene	0%
spec208	3	PolicyKit integration in Mandriva Tools	tvignaud@mandriva.com	0%
spec226	3	Webkit based UI for drakxtools help	tvignaud@mandriva.com	0%
spec224	3	UI to store my.mandriva.com account credential on local system	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	Background management depending on hours in day	KDE team	0%
	3	Ark improvement	KDE team	0%
	2	Kpanels for Plasma	boiko@mandriva.com	0%
	3	KDE upgrade policy	heliocastro@mandriva.com	10%
	3	krandr improvements	boiko@mandriva.com	0%
	5	Plug Codeina with DragonPlayer	kde@mandriva.com	0%
spec304	3	GNOME		
	3	GNOME 2.26	fcrozat@mandriva.com	0%
	3	Port Ia-Ora to Cairo	fcrozat@mandriva.com	0%
	3	Bluetooth cleanup (GNOME)	fcrozat@mandriva.com	0%
	3	Add theme support to GDM 2.22	fcrozat@mandriva.com	0%
	3	Improve color management in GNOME	fcrozat@mandriva.com	0%
	3	UI improvement in Mandriva GNOME	fcrozat@mandriva.com	0%
spec306	3	Applications		
	3	Make Windows programs emulation easier	anicolas@mandriva.com	0%

## Chapter 4. Infrastructure

<i>Id</i>	<i>Pri</i>	<i>Title</i>	<i>Implementor</i>	<i>Status</i>
spec400	3	Improve mirror management	pixel, fcrozat	0%
spec401	3	SVN migration	Blino, Spuk	0%
spec408	3	Improve general svn management	Spuk	40%
spec402	3	rpmlint improvements	oblin@mandriva.com, spuk@mandriva.com	0%
spec403	3	youri upgrade	Blino, Spuk, Pixel, Guillaume Rouse	0%
spec404	3	Monitoring build system	nvigier@mandriva.com	0%
spec405	3	Improve build dependancies in build system	bogdano@mandriva.com	20%
spec406	3	Reduce nodes number	Blino, Spuk	0%
spec407	3	Automatically clean testing repository	Spuk	0%