

THE RELEASE PROCESS.

Testing: ISO Installs

Installation

The distribution should boot from the DVD iso

The distribution should boot from a basic memory stick created using:--

```
dd if="openmandriva iso" of="dev/sd*" bs=4M
```

The distribution should boot from the mini-iso on the DVD and provide the options for a network install.

The graphical and text installs should function as specified.

The install process must work in different languages i.e. No missing translations.

Alternative keyboard layouts must work.

Graphical Install.

The graphical install should occur at the most suitable resolution and color resolution available from the system a minimum resolution of 1024 x 768 should be supported.

Administration and Artwork.

The name of the release should be the current one.

The license agreement should display and be correct in its wording. (sign off docs reqd)

The release notes should be current for the release in question and should be labeled as such. (sign off docs reqd)

All artwork must be approved for the current release. (sign off docs reqd)

General Properties

No installation action requiring user intervention should appear off-screen for the resolution chosen (OK buttons; APPLY buttons, etc).

Where possible the user should be able to return to the previous step in the installation process.

Where this is not possible the user should be warned that there is no reversion or possibility of revision from the next step (i.e. partition formatting).

Boot Manager

The boot manager must work for other OS installs

The boot manager must properly update should an alternative kernel be installed.

Hardware

The release must install on designated hardware platforms.

Network

Both wired and wireless configuration should be achievable with minimal user interaction

Repos

If the network is available the install process should successfully add them to the package manager

X-Server

The automatic set-up of the X-server should function where drivers are not functional for the installed card the X-server should default to the VESA driver to provide a fail-safe option.

Window Manager

The chosen window should install without error if this fails an alternative basic window manager should be offered. An automatic start-up of the window manager should be offered during the install.

Printing

The Cups server should be installed during the install process.

Sound

The Sound server should install automatically audible confirmation for the user should confirm this. If there is no sound card or if the sound installation fails an appropriate message should be displayed.

User Setup

The installer should call for the provision of a root password.
The installer should force the creation of at least one user.

Start-Up

Initial Boot

The boot flash should display properly on the monitor there should be no displacement of the image.

The boot manager should show the proper options for boot as a minimum:

- Open-Mandriva Linux
- Failsafe boot (boot to single user root terminal)
- Rescue system
- SuperGrub Iso?

Graphical Login

The graphical login manager should display all users (excluding system users).

The chosen user should be the one that last logged in. In the case of a new installation it should be the first entry when users are sorted alphabetically (a to z)

The keyboard cursor should start in the password text entry box.

If a shutdown/general-purpose menu is included all functions must operate correctly.

The login manager must not allow access to the window manager without a password.

It should be possible to start a CLI interface login from the graphical login manager.

Window Manager

After login, the chosen window manager should startup without error.

A visible indication of USB plugged devices should be easily seen. (including wireless and wired network devices)

In the case of USB disk/cdrom/memory drives these should all mount cleanly for the following filesystems ext2, ext3, ext4, xfs, btrfs fat32, ntfs3g, and any encrypted file system drivers that may be included with the operating system

Servers

As a minimum Cups, Ssh and ftp servers must function correctly
Optionally Samba and Nfs.

Software Maintenance

The auto-update system must function correctly when internet access is available.

Configuration

The OpenMandriva Welcome application should be fully operational.

Graphical Core Applications

The following list of applications should start without error and have a minimum of bugs.

KDE

System

- Plasma Desktop

- LXQt Desktop?

- KDE configuration apps

- Sound server (network sound should be functional)

- Akonadi server

- File indexing (should be OFF by default but working if enabled)

- Konsole

Office

- Libre Office

- Gimp

- Okular

Internet

- Firefox

- Chromium

- Konqueror

- Browser Plugins

- PDF support

- Java

- Kmail

- Mozilla Thunderbird

File Management

- Dolphin (built-in network access must also function)

System/program File Editors

- Kwrite

- Kate

Development

- Kdevelop

- Eclipse (?)

Graphics

- Gwenview

- Gimp

- Digicam

Sound & Video

Tools

Utilities

CLI Core Applications

mc
vim
ed
vi
dd
nano
man
less
grep
awk
sed
rpm
dnf

Criteria for release approval:

All the programs listed above must be functional and able to open, process, close and save a file where appropriate. There must be no outstanding security issues.

There must be no bugs that seriously compromise the functionality of the system as far as the user is concerned for the core packages listed above. Bugs in supplementary packages and contrib that do not adversely affect the running for the os may be tolerated. Bugs that will not be tolerated are excessive disk usage, high system resource consumption, memory leaks, window manager lockup and any form of a system freeze.

It must be possible to install a different kernel from the OM repository without problems. The kernel installation script must properly update the boot manager and show the availability of the new kernel in the boot-up screen. The original kernel must be renamed in such a manner as to make it clear that this was the original default kernel. The symbolic links which point to the default kernel must be properly updated.

It must be possible to use the dkms system to update the drivers available in the default distribution this should include the available proprietary graphics drivers

It must be possible to achieve network connectivity and where available be able to access the Internet. This should be possible for both wireless and wired connections.

No commonly used server must fail to start.

The system must be able to print from all applications that provide this service

The packaging system and repos must be operational including "OpenMandriva auto-update.

Isos submitted for release must be properly named and dated