

KahelOS Desktop Guide

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Copy of this Documentation may also be found at
http://www.kahelos.org/wiki/Kahelos_Desktop_Guide

For more information about this guide,
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I About this Guide

This guide will help you on getting acquainted with KahelOS. Reading through this guide will also give you a glimpse of some of the intricacies about KahelOS and how to get going with it while experiencing the speed, lightness and performance of your now KahelOS Desktop.

This guide will not only share with you how to install KahelOS but also to some extent share to you applications (as of the moment) that we think will be of potential use and eventually aid to your productivity and creativity. This may not still be the perfect Desktop, it may still not be complete, but you'll sure have fun and be more productive at the same time.

Further, learning and being on KahelOS will also give you the benefit of being abreast with Open Source Technologies, which makes you ahead of the pack.

Enjoy and we assure you, it will be fun and cool.

About KahelOS

KahelOS was conceived to be an evolving Linux Distribution that envisions to provide users the best of both worlds for the end -user.

The optimization, the robustness, the speed and lightness, the rolling release model that only the experts and guru's of Linux can develop and use combining the user-friendliness, GUI that newbies and moderate Linux practitioners look for to be readily productive and really take advantage of what Open Source Technologies and Collaboration can bring and can make happen.

As we write this Guide KahelOS is just 50 days “new”, and since it is on rolling release, it utilizes the latest Linux Kernel version on 2.6.31. We also urge you early on to get to know more about the initiative and community project's potential and its potential for you. Visit the Wiki <http://www.kahelos.org/wiki/> for updates from time to time and get free consultation from your friendly KahelOS Forum Members at <http://www.kahelos.org/forum/>

Some Facts About KahelOS:

- KahelOS is based on a really simple distribution called Arch Linux and has already pre-installed GNOME & GNOME Applications among other things. GNOME Office is one of them: <http://live.gnome.org/GnomeOffice>
- Multi-media Apps – Totem Movie Player, Moovida Media Center, Cheese Webcam, Banshee Media Player, Brasero Disc Burner

- Internet - Evolution for Email, Ephemery Web Browser, Ekiga Software
- Utilities - File Roller,rsync
- Graphics and Design – Dia, Gimp & F-Spot Photo Manager
- Games - Gnome Games
- Network Functionality is plug and play. This implies that connecting to your LAN, Wireless, Mobile Phone is ready to use.
- USB Memory Sticks and hard disks even external drives are supported out of the box
- Read/Write support for NTFS partitions
- As you go along, we urge you to learn about the beauty and power of Pacman and Yaourt. When you read and understand Pacman and Yaourt, one will realize that these great tools will help you with learning and use of Open Source Technologies.
- KahelOS is against software piracy. This is a very good replacement for Windows.

II. KahelOS Philosophy

Behind Kahel is a Philosophy

Is there a need to lay down one's Philosophy in this age of Technology?

Is it essential to discuss our own when all we want is just to have our Philosophy reflected in what we do, how we do it and why we did it?

The question then remains, do we have a Philosophy that we can call our own?

This is what we believe: KahelOS is a technological work and a philosophical manifestation.

- Kahel is against the injudicious measure of software monopoly. Kahel recognizes that a software that is available for ALL is not a profit loss but a credibility gained.
- Kahel is against the misguided rationalization of software piracy. The choice between "free and open source" vs "illegal copies" is not about cost. It is about performance, values and utility. You are what you choose to download or use.
- Kahel is against the misplaced labels in the values of information technology. Kahel believes that there is a Linux OS right for you. In the same way that life and living is all about choices and the choices that you make reflects you. Your choice is dependent on your palate and your need. If Kahel fits your taste, style and requirement, then Kahel is the Linux OS for you.
- Kahel is against the complacent and apathetic effort to make an informed decision. KahelOS recognizes and gives high regard to competence, innovation and sharing what one has learned and found out along the way for the greater good. Kahel may

not be the "perfect" fit for you, but you can make it just as perfect as you want it to be..

- KahelOS likes simplicity, lightness and readiness of use for end-users. But it doesn't like spoon feeding.
- KahelOS likes to spark critical thinking and yield towards the needed change.

Because,

KahelOS is Open For Change. One other thing we believe is: We can never escape from change but rather evolve with the changing times.

III. Pacman and Yaourt

Pacman

Pacman, as defined in the Arch Handbook by Dusty Philips, is both a binary and source package manager which is able to download, install, and upgrade packages from both remote and local repositories with full dependency handling, and has easy-to-understand tools for crafting your own packages too.

Note: When you have installed your KahelOS type the command below at your console to know more information about it as well.

```
#man pacman
```

If in some cases, you encounter this error message below, type the command stated in the box at your console.

error: failed to init transaction (unable to lock database) if you're sure a package manager is not already running, you can remove /var/lib/pacman/db.lck

```
#rm /var/lib/pacman/db.lck
```

Yaourt

Yaourt is the acronym for **Yet AnOther User Repository Tool**. Yaourt is a community-contributed wrapper for pacman. With this tool and command, you are able to install applications from sources.

Note: When you have installed your KahelOS type the command below at your console to know more information about it as well.

```
#man yaourt
```

IV. Getting Ready with KahelOS

1. Download Installer /ISO

<http://www.kahelos.org/downloads.php>

2. KahelOS Installation

- Installation guide <http://www.kahelos.org/downloads.php> at Documentation Section
- or simply download
- http://www.kahelos.org/docs/manual_kahelOS_Desktop_installationguide_v1.pdf

3. Upgrading KahelOS Packages

Since KahelOS is on a rolling release model, you can easily get the latest updates without waiting for “new” releases or version by simply typing the command below at your console. Voila! Your system is completely updated. So everytime you want to be updated, just type `pacman -Syu` and you don't need to reinstall or perform complicated system rebuilding.

```
#pacman -Syu
```

Reboot if a kernel upgrade has occurred.

The pacman output is saved in `/var/log/pacman.log`.

a. Sound and Video

<http://www.kahelos.org/forum/topic.php?id=48>

<http://www.kahelos.org/forum/topic.php?id=28#post-57>

Saving the Sound Settings

<http://www.kahelos.org/forum/topic.php?id=51#post-132>

Run `/usr/sbin/alsactl` as root.

At your console, the command below will create the file `'/etc/asound.state'`, saving the alsamixer settings.

```
# alsactl store
```

```
# vim /etc/rc.conf
```

Then add the alsa daemon to your DAEMONS section in /etc/rc.conf to automatically restore the mixer settings on boot-up.

```
DAEMONS=(.....alsa)
```

Save then Reboot your desktop.

b. Themes and Fonts

By default, GNOME does not come with many themes and icons. To add to the existing ni gtk (gui widget) theme engine (includes themes), do this:

```
# pacman -S gtk-engine-murrine murrine-themes-collection gtk-engines gtk-aurora-engine  
gtk-candido- engine gtk-rezlooks-engine
```

Once the themes has been installed, select System -> Preferences -> Appearance -> Theme tab to view the added themes.

To add more fonts and enable you to have core Msfonts, Chinese, Korean, Japan Fonts Support, do this at your command line:

```
# pacman -S ttf-ms-fonts artwiz-fonts ttf-arphic-uming ttf-arphic-ukai ttf-fireflysung ttf-dejavu  
ttf-bitstream-vera
```

For more themes, icons, and wallpapers go to GNOME-Look. [Http://www.gnome-look.org](http://www.gnome-look.org)

c. Adding Users/Groups – helps you add users to use your system.

- System->Administration-> Users and Groups

d. Some Useful Applications

1. Office application and productivity tools

- go-openoffice-enhanced version of SUN's office suite
- foxitreader-foxitreader
- for more info check go-oo website.
- <http://www.go-oo.org/>

```
# pacman -S go-openoffice  
# yaourt --noconfirm -S foxitreader
```

2. Internet Application (Web,Email,Chat, & File Sharing)

- Firefox-Standalone web browser from mozilla.org
- Thunderbird-Standalone Mail/News reader
- FileZilla-Fast and reliable FTP, FTPS and SFTP client
- jre-Sun's java runtime environment
- Skype-P2P software for high-quality voice communication
- Transmission-gtk-Fast, easy, and free BitTorrent client (GTK+ GUI)
- google-earth-A 3D interface to the planet Earth
- empathy - A GNOME instant messaging client using the Telepathy framework.

```
# pacman -S thunderbird firefox filezilla flashplugin mplayer-plugin jre empathy  
# yaourt --noconfirm -S skype-oss  
# yaourt --noconfirm -S google-earth
```

Firefox plugins & add-ons:

<https://addons.mozilla.org/en-US/firefox/>

- Socialite
- Echofon
- Firebug
- TwitterBar

- Screengrab
- Delicious Bookmarks

Thunderbird Add-ons

<https://addons.mozilla.org/en-US/thunderbird/>

- [Enigmail](#)
- lightning → this can also be install via yaourt ie. # yaourt -S lightning
- Remove Duplicate Messages
- Attachment Extractor

Gecko Media Player

<http://kdekorte.googlepages.com/gecko-mediaplayer>

Browser plug-in that uses gnome-mplayer to play media in your web browser

```
# pacman -S gecko-mediaplayer
```

3. Multi-media and Design

- sound converter - A simple sound converter application for GNOME
- miro - The free and open source internet TV platform
- gphoto2 - A digital camera download and access program
- inkscape - A vector-based drawing program - svg compliant
- xine - DVD Player, free video player for Unix
- libdvdcss - The libdvdcss library provides DVD decoding for encrypted DVDs
- phatch - simple to use cross-platform GUI Photo Batch Processor
- shutter - A featureful screenshot tool (formerly gscrot)
- codecs - Non-linux native codec pack.
- gtkPod - software similar to Apple's iTunes, supports iPod, iPod nano, iPod shuffle, iPod photo, and iPod mini
- Scribus - open source desktop publishing (DTP) application

```
# pacman -Sy soundconverter miro inkscape xine-ui libdvdcss gphoto2 scribus
# yaourt --noconfirm -S phatch shutter codecs gtkpod
```

4. Utility and Network Tools

- nautilus-open-terminal -A nautilus plug-in for opening terminals in arbitrary local paths
- vim - Vi Improved, a highly configurable and improved version of the vi text editor
- unrar – is a RAR uncompression program
- gnome-cups-manager - A CUPS manager for the Gnome Desktop Environment
- grsync - GTK GUI for rsync
- nmap - A network exploration tool and security/port scanner
- wireshark - A free network protocol analyzer for Unix/Linux and Windows
- gparted - A Partition Magic clone, frontend to GNU Parted
- unetbootin - UNetbootin allows for the installation of various Linux/BSD livecd distributions to a partition or USB drive.
- Compiz-fusion - check <http://www.compiz-fusion.org/>
- virtualbox - Powerful x86 virtualization for enterprise as well as home use. check <http://www.kahelos.org/forum/topic.php?id=35#post-73>

```
# rm /usr/bin/{view,rview}
# pacman -S nautilus-open-terminal vim unrar gnome-cups-manager grsync nmap gparted
wireshark
# yaourt --noconfirm -S unetbootin
# pacman -S compiz-fusion
# pacman -Sy qt sdl virtualbox_bin
```

5. Programming

- quantaplus - Quanta Plus is a highly stable and feature rich web development environment
- Apache/mysql and PHPmyadmin
check forum <http://www.kahelos.org/forum/topic.php?id=30#post-61>

```
# yaourt --noconfirm -S quanta
```

6. Console-Based Applications

- lynx - A text browser for the World Wide Web
- mp3blaster - A console based mp3 and OGG player.
- Alpine - The Apache-licensed PINE (a tool for reading, sending, and managing electronic messages)
- minicom - A serial communication program
- wvdial - A dialer program to connect to the Internet
- finch - A ncurses-based messaging client

```
# pacman -Sy lynx mp3blaster alpine minicom wvdial
```

```
# yaourt --noconfirm -S finch
```

V. References

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<http://www.archlinux.org/>
<http://www.go-oo.org/>
<https://addons.mozilla.org/en-US/firefox/>
<https://addons.mozilla.org/en-US/thunderbird/>
www.compiz-fusion.org/
<http://www.gnome-look.org/>
<http://www.foxitsoftware.com/pdf/desklinux/>
<http://www.mozilla.com/en-US/>
<http://filezilla-project.org/>
<http://java.sun.com/>
<http://www.skype.com/>
<http://earth.google.com/>
<http://kdekorte.googlepages.com/gecko-mediaplayer>
<http://www.getmiro.com/>
<http://www.inkscape.org/>
<http://www.xine-project.org/home>
<http://photobatch.stani.be/>
<http://www.shutter-project.org>
<http://www.gtkpod.org/>
<http://www.opbyte.it/grsync/>
<http://www.transmissionbt.com/>
<http://nmap.org/>
<http://www.wireshark.org/>
<http://gparted.sourceforge.net/>
<http://unetbootin.sourceforge.net/>
<http://www.virtualbox.org/>
<http://quanta.kdewebdev.org/>
<http://lynx.isc.org/>

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