

Sparks of the Future: Optical disks in flame

Mario Đanić

A phoenix, a mythical bird that is reborn from its own flames, is depicted in the center of the slide. The phoenix is rendered in a glowing, golden-yellow color, with its wings spread wide. The background is a vibrant, fiery red and orange, suggesting a state of intense heat and transformation. The overall image conveys a sense of renewal and the future.

Who am I?

Libburnia project founder

Gnomebaker maintainer

Xfburn co-maintainer

Pkg-libburnia team member

Why are we here?

Familiarize ourselves with the past

Learn about current state of optical disks burning on Linux

Discuss the future

We are bored

For the first time ever, discuss optical disks burning on Linux with community!!!

Windows



Not bad!




Integrated recording is simple, but works!

Third party applications

Nero!

No need for
administration rights
– Nero BurnRights!

About Nero Burning ROM



(C) 2007
 Nero AG and its licensors
 Im Stockackerle 1B
 76307 Karlsbad, Germany
www.nero.com
 All rights reserved
 Version: 8.1.1.0
 Name: Raymond
 Company:

Nero BurnRights

Automatically apply settings to newly installed drives.
 Otherwise an administrator will have to install new drives.

If you experience problems with the burn rights or if an application like Nero or Nero BurnRights wants you to reset the burn rights, then please press button 'Reset burn rights'.

Afterwards the PC has to be restarted and the Windows standard access rights for the CD ROM drives will be used.

Reset burn rights!

Reset burn rights!



MacOS X

Really, really good!



Lots of small 3rd party application

Basic burning support integrated in the OS

Preeeeeeeetty and usable!

Burner Info

Hardware

Drive Vendor: MATSHITA
 Model: DVD-R UJ-835F
 Connection: ATAPI

Buffer: CD/DVD Underrun protection enabled

Media Compatibility

CD-R, CD-RW

DVD-R, DVD-RW, DVD+R, DVD+RW

Discography

0 Discs in Discography

Disco

Disc Complete

Eject Reburn

About



Disco
Public Beta

Austin Sarner • Jasper Hauser
 Jason Harris • Brian Ball

Copyright © 2006 DiscoApp.com

Preferences

General Register Smoke

Sessions

- Use sessions for custom discs
- Add new session to session discs
- Use sessions for copied discs

Burning

- Automatically skip verifying
- Automatically append date
- Enable motion sensor

Discography

- Index created file discs
- Index created disc images

Imaging DMG in ~/Desktop

Disc Type Hybrid

Drive MATSHITA DVD-R UJ-835F

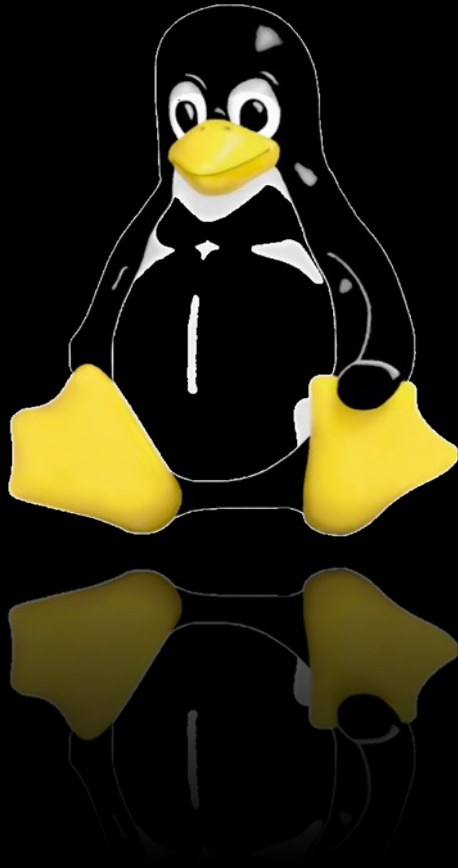


Disco Burning

43%

13:05
10:09

Stop



GNU/Linux

What a mess!!!

Some days ago we
had these backends...

Cdrtools

Cdrkit

Growisofs

A lot more

Cdrdao

And these frontends ...

K3b

Xfburn

Graveman

Gnomebaker

Brasero

X-CD-
Roast

Many, many
others....

They struggled for survival

... In the cruel world of Linux optical
disks burning

Cdrtools

Maintained by Joerg Schilling

The oldest suite for optical disks burning

Cdrecord

Readcd

Mkisofs

cdda2wav

Isovfy

Isodebug

rscsi

Isodump

Isoinfo

Cdrkit

Debian creation

Cdrtools fork

Lack of maintenance

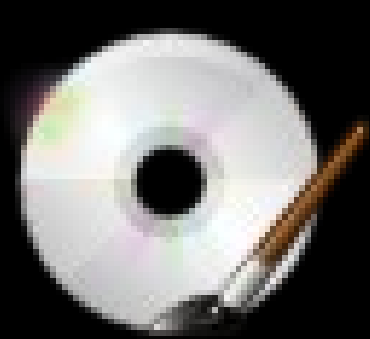
WHYYYYYYYYYYYYYYYYYY??!?!?!??!

And

uuuummmmmmm
uuuummmmmmm
uuuummmmmmm
uuuummmmmmm

I don't know what this "root" thing
they keep talking about is!!!





libburnia

DISCOVER THE ART

MEET LIBBURNIA PROJECT!

About dialog

Reading, mastering and writing writing optical disks

Founded in July 2006

Controversial beginning

Three team members

5 components

It's mission:

To boldly go where no optical
disk has gone before
(no, not really)

Offer umbrella-project for all optical disk-related activities
on Linux

Develop new-generation stack for optical disks burning
for GNU/Linux platform, while staying back-compatible

Be a friendly upstream

On its journey, it is helped by

Thomas Schmitt

Vreixo Formoso Lopes

Contributors

Community

Silly human standing in front of you

Components

libburn

libisofs

libisoburn

cdrskin

xorriso

Libburn

.... is the library by which preformatted data get onto optical media.

Why libburn and not wodim,
cdrecord or growisofs ?

Libisofs

.... is the library to pack up hard disk files and directories into a ISO 9660 disk image.

Why libisofs and not mkisofs or genisoimage?

Libisoburn

... Is an add-on to libburn and libisofs which coordinates both also allows to grow ISO-9660 filesystem images on multi-session.

Why is it important???

Xorriso

... is an application of all three libraries which creates, loads, manipulates and writes ISO 9660 filesystem images with Rock Ridge extensions.

Innovation!

Cdrskin

... is a limited cdrecord compatibility wrapper for libburn..

All the legacy (G)Uis work!

Genisofs :'(

Frontends

Brasero

Xfburn

Burn Composition

Burning device
HL-DT-ST DVD-RAM GSA-T20N

DVD+R
Speed: 4
8

Write mode: TAO

Composition name
Would you like to change the default composition name?
Data composition

Options

- Eject disk
- Dummy write
- BurnEree
- Only create ISO

/tmp/xfburn.iso

Cancel Burn Composition

Brasero

Project Disc Help

Create a new project:
Choose from the following options

- Audio project**
Create a traditional audio CD
- Data project**
Create a data CD/DVD
- Disc copy**
Create 1:1 copy of a CD/DVD
- Burn image**
Burn an existing CD/DVD image to disc

Together, we drive the change

So, while the dragon is asleep

Give your suggestions for cool new features in
burning applications, rant about bugs, and/or
whatever else you want



Thank you for such a warm
reception, you've been a
great audience!

<http://libburnia-project.org>

Irc: irc.freenode.net #libburn

mario@libburnia-project.org