

RESPIN PROJECT

What is the RESPIN PROJECT? Overview

Where did RESPIN begin? History

What are the GOALS?

Who is involved in this PROJECT?

What RESOURCES?

What PROGRESS?!

What is the RESPIN PROJECT? Overview

Respin is a fork of Remastersys, a tool for spinning your own distro. Remastersys was available for Debian and Ubuntu. This also apparently worked on at least 6 derivs of Ubuntu and Mint according to forums.

The Remastersys project was abandoned by Tony Fragadelic Brijeski. There was a fork by Black Labs that is currently CLI only. They have offered to sell the code for the source on their website for \$50 as of July 2014.

Black Labs states they are having a problem with funding the project. They claim this is also the reason Tony gave up on the project. I don't know that funding was the entire issue.

<http://system-imaging.blogspot.com/2014/09/black-lab-image-creator-15.html>

We contacted Tony. His response – Yes, will assist if you have any ?s.

Black Labs has 0 community involvement.

Respin on the other hand...

In Arizona alone, we have involvement and support of several volunteers from:
PLUG AZLoco MPGLUG

We welcome more! At this point in time, we are ready to test our CLI version.
We do have a couple of different GUI versions.

Where did RESPIN begin? History

Brainchild of Turbid and Adrenaline

What are the GOALS?

Different members have different goals.

1. Create OEM
2. Create Customized Distro
3. Create Backup systems easily
4. Imagine a world where you could share your personalized OS
5. Learning **
6. Moving forward technology by contributing to abandoned project
7. Community

Project GOALS

Release RESPIN – CLI and GUI

Who is involved in this PROJECT?

This project started out as an idea. Two guys talking about a project they could work on. Then, others joined. We are no more than a half a dozen with some members occupied by other priorities. There are 4 strong members of this project at any given time developing, testing and brainstorming.

What RESOURCES?

This project is so fluid. The only element missing is video conferencing which is not even necessary, really. We use the following tools:

IRC
owncloud
ventrilo
git – github
screenshare

The IRC, owncloud and ventrilo are hosted on a virtual machine by adrenaline. Chamuco is instrumental in learning git, teaching us the nuances and caveats of git and getting us there.

Ventrilo is used as our voip

Screenshare was used at the beginning when we needed to work out access to owncloud.

What PROGRESS?!

We started out by meeting. This was simple since we all attended installfests.

Then, we began by defining our roles.

At that point we did contact Tony. We expressed interest in the project. We explained our goals and we let him know we were forking.

In the meantime, members used remastersys to see how stable it was and what we might want to do with it.

This is when our resources went up. Certain members did not want to use resources that were held by people not part of the project. Certain devout free software members did not want to use open source tools.

This is where free software philosophy can sometimes clash with open source philosophy on a project.

I am sure there have been other projects where the philosophies clashed. However, working together was essential in getting this project done. In some projects, the two groups might split and the project may never take form. This did NOT happen.

I am happy to say that free software members and open source members did work together.

The one member adrenaline (mike) went to town on setting up our owncloud and IRC. It was really incredible how fast he set that up after the meeting. We gave him a week. He had it up in a few hours.

The IRC required a password that was available on our owncloud.

The IRC is hosted on a CentOS release 6.5
The owncloud is on Ubuntu 14.04.1 LTS

GITHUB

We knew we wanted to use git.

So, we set up our accounts to work on this project.

Chamuco (sergio) set up the repo and made this available for us.

Learning the caveats of git did take some time.

Github required some interfacing with their online system while we were doing other pulls and pushes through our shells.

We cloned, we pushed, we pulled.

Creating a Deb.

We had some challenges...

There is a document I created to help – once we realized what needed to be done.

Changes – simple

We made a few simple changes to the original source such as the dependencies.

CONTROL

Source: respin

#Section: extra

Priority: optional

Maintainer: adrenaline <adrenaline@azloco.com>

Build-Depends: debhelper (>= 9)

Standards-Version: 3.9.5

Homepage: <http://www.linuxrespin.org>

#Vcs-Git: [git://git.debian.org/collab-maint/remastersys.git](http://git.debian.org/collab-maint/remastersys.git)

#Vcs-Browser: <http://git.debian.org/?p=collab-maint/remastersys.git;a=summary>

Package: respin

Architecture: all

Depends: \${shlibs:Depends}, \${misc:Depends}

Suggests: respin-gui

Description: Backup Your deb based system With Respin

Ubuntu and variant system- creates a livecd of the installed system.

Building the deb was challenging...

Changelog...

Testing

We were fortunate enough to add another member to the team – Rudy to help with testing. Obviously, we could use more volunteers for testing!

To RESPIN your own Distro

Base System

Install Respin

Change theme/Customize your Distro

Create a Backup ISO

All your BASE

Start with your base system. This can be Ubuntu or Debian. Works for Mint too apparently, but need to test this a bit more for respin. Some remastersys instructions.

INSTALL RESPIN once we go Live

(install remastersys until then)

YOUR THEME

Install a new theme

Create your own theme

<http://community.linuxmint.com/tutorial/view/1149>

How to edit Mint

Change the default splash screen:

Open up a terminal window

run the command that lists installed themes

type in selection number to change the default

```
sudo update-alternatives --config default.plymouth
```

Pick one

```
sudo update-initramfs -u (To apply changes)
```

Edit a theme

```
sudo gimp /lib/plymouth/themes/mint-log/logo.png
```

you can copy,paste,replace and resize with gimp!

You can also edit Plymouth background colour:

Check the script file in your theme.

```
Window.SetBackgroundTopColor (0.85, 0.85, 0.85); # Nice colour on top of the screen fading to
```

```
Window.SetBackgroundBottomColor (0.75, 0.75, 0.75); # an equally nice colour on the bottom
```

Choose your color.

Find the RGB using gcolor2 (install this if you don't have it installed) of the desired color and divide the RGB values with 256 to get the values to use.

Save the file and exit.

<http://community.linuxmint.com/tutorial/view/1149>
Gives more information about installing themes and Creating themes.

Change the boot screen

In Ubuntu, you can customize the boot screen
The Ubuntu-Logo-Script in the /lib/plymouth/themes/ubuntu-text
Example: Fixedubuntu.org
With respin/remastersys, you can add a logo for boot up.

More info for ubuntu
<http://askubuntu.com/questions/1413330/how-can-i-customize-the-ubuntu-boot-up-logo>

<http://community.linuxmint.com/tutorial/view/531>
Below

MENU ICON

/usr/lib/linuxmint/mintMenu

replace visualisation-logo.png and mintMenu.png

BOOT UP LOGO

Note:if you want make your own linux live CD/DVD using respin, remastersys,install mac4lin.It will help you to get boot logo on your own distro(optional)

/lib/plymouth/themes/mint-logo

replace all types of png files

it changes logo and loading dot animation

Note:if you want make your own linux live CD/DVD using remastersys,install mac4lin.It will help you to get boot logo on your own distro(optional)

you can change all png file of /lib/plymouth (optional)

Change official name and version of distro(linux mint)

/etc/linuxmint/info change name and version what ever do you like and save it.

7)if you have installed remastersys/respin,to change wall paper of remastersys/respin

/etc/remastersys/isolinux

replace splash.png

(when you boot up by your distro you can see your custom wallpaper there instead of remastersys/respin default wallpaper)

8) if you have installed cairo dock

replace all png files

9) you can replace more png,jpg file on other sub folders too for more attractive distro and install more usefull packages and unstaill useless packages.

10) restart your computer and run remastersys/respin and burn iso file on CD/DVD disc

