

Building a Live-CD for

Tryton / GNU Health

Axel Braun



Introduction
Navigate through SUSE Studio
Basic functionalities
Modify an existing Live system
Testdrive

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Works as Consultant and Project Manager mostly for international companies

Lives in Düsseldorf/Germany

Member of openSUSE project

Package maintainer for (among others) GNU Health and GNU Health Live CD

Supported education project: Favela Education (.org)

Supported medical project: GNU Health

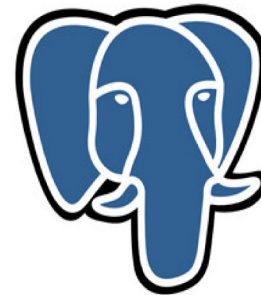
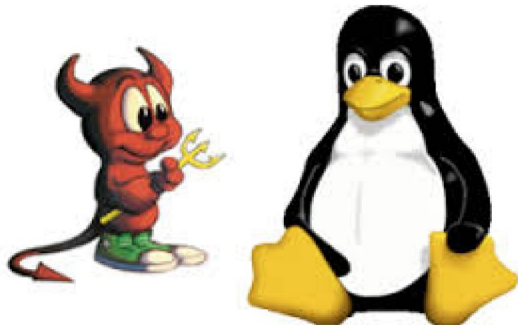
Introduction



GNUHealth

- About GNU Health

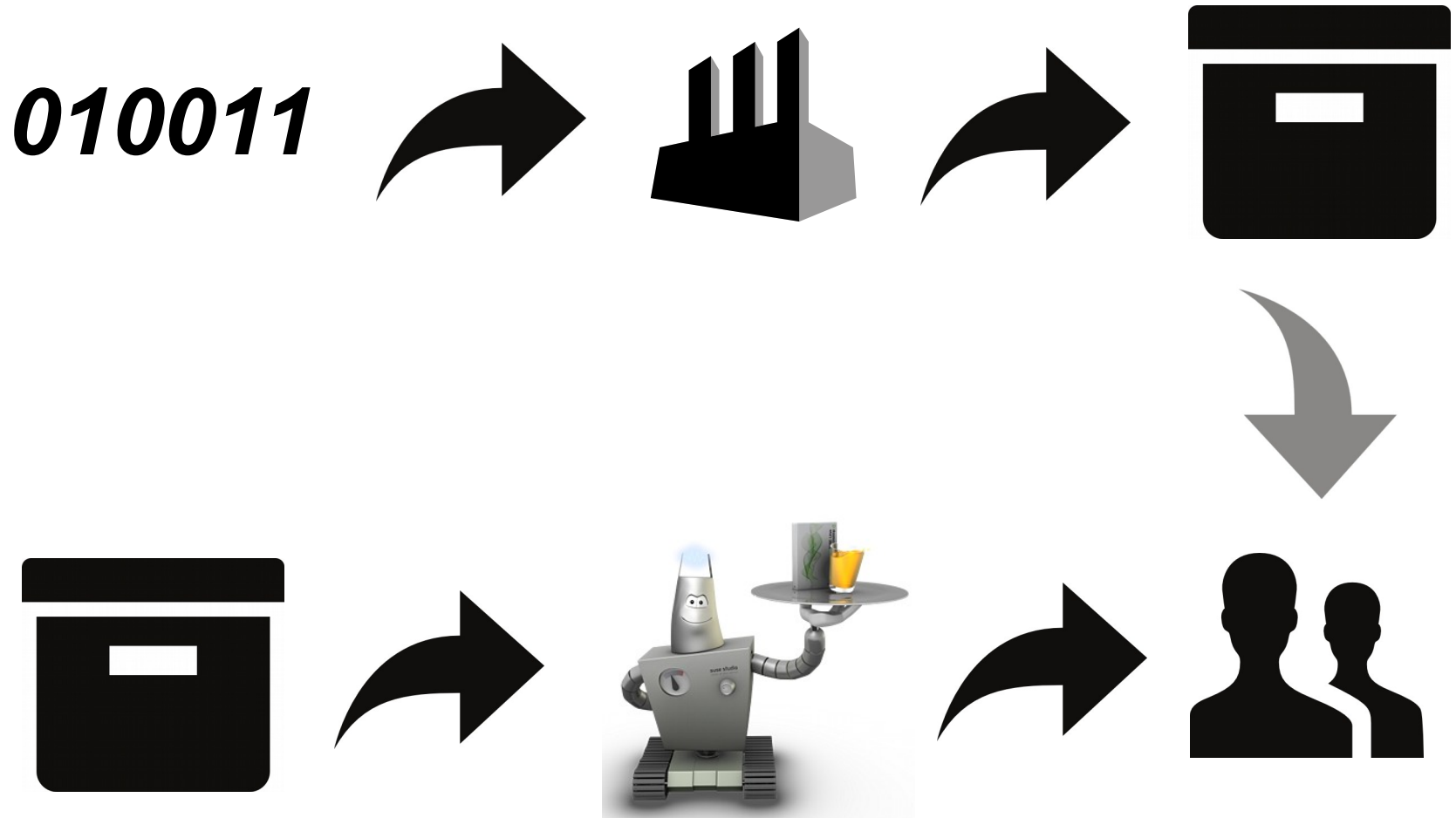
GNU Health is a Free/Libre project for health practitioners, health institutions and governments.



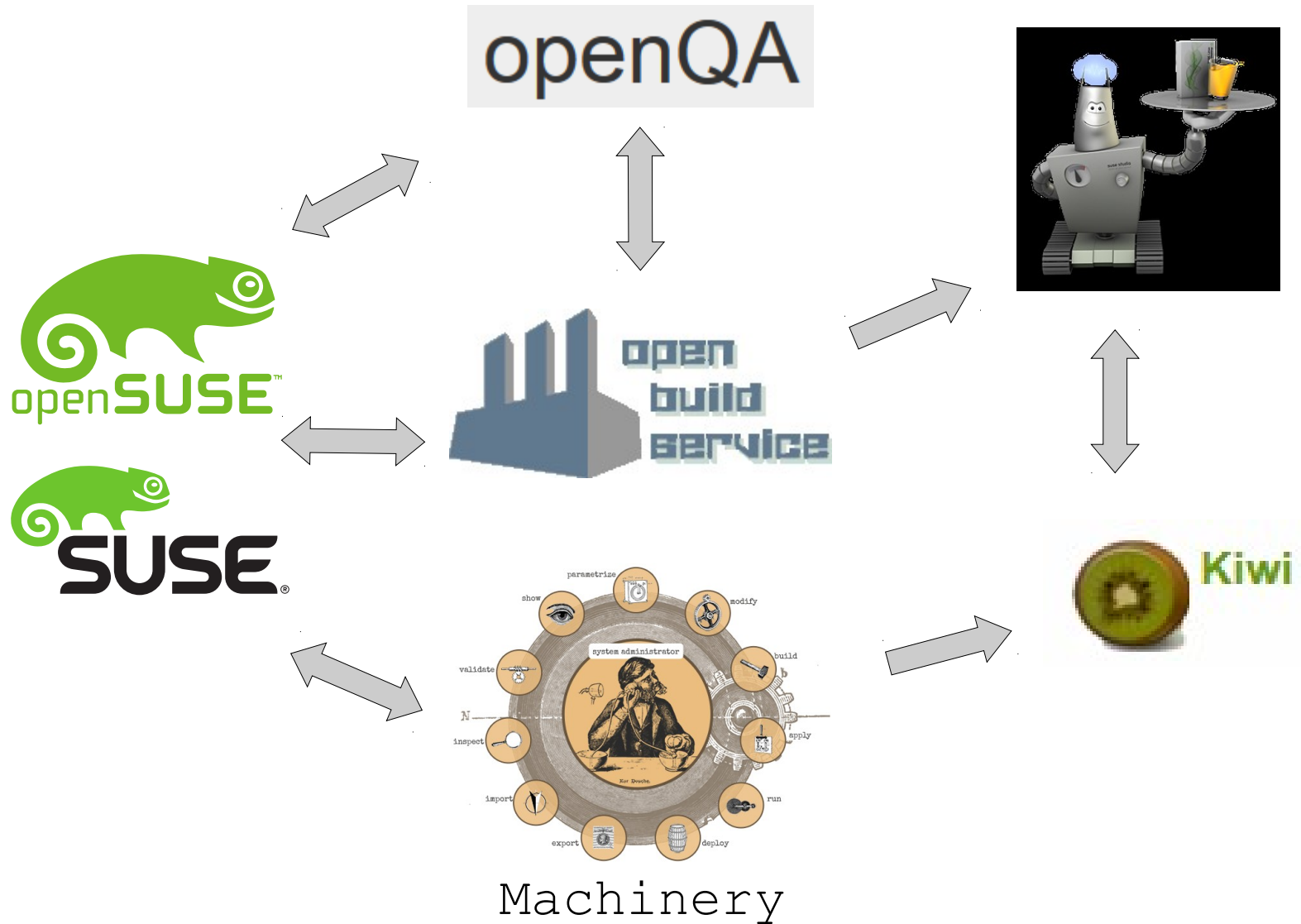
PostgreSQL



Bringing Software to the user...



SUSE Tools



Live-CD – Downloads & Clones

	Downloads	Clones
GNH Health 2.8		
openSUSE 13.2	230	21
openSUSE 13.1	1021	26
SLES	118	20
GNU Health 2.6		
openSUSE 13.1	763	35
GNU Health 2.4		
openSUSE 13.1	461	24
Total (as of 25.09.2015)	2468	125

Navigate through SUSE Studio

SUSE Studio

More than 500.000 users
~1000 builds per day

suse
studio™



Serving SUSE JeOS. Always fresh.

Login

SUSE
studio™



Sign in or create an account



Novell

Google

YAHOO!

twitter

facebook

OpenID

Can't use any of the above? Get an account below to access this site

[Create new Novell account...](#)

[Get an OpenID...](#)

A revolutionary new way to create technology

Navigation

Actions



Create new appliance...



Manage EC2...



Manage Azure Images...

Your appliances

Shared on Gallery

openSUSE 13.2



**GNU Health 2.8 / KDE 4 /
64bit / UEFI**

45 builds, 51.6 GB

64-bit x86

edited Tuesday, 18 August 2015

1 release, 96 downloads, 19 clones, 0 comments, Not rated.

openSUSE 13.1



**GNU Health 2.4.1 / KDE 4 /
32bit**

30 builds, 31.7 GB

32-bit x86

edited Thursday, 20 August 2015

1 release, 451 downloads, 22 clones, 0 comments, Not rated.



**GNU Health 2.8 / KDE 4 /
32bit**

63 builds, 70.4 GB

32-bit x86

edited Wednesday, 19 August 2015

1 release, 927 downloads, 19 clones, 1 comment, Not rated.



**GNU Health 2.6 / KDE 4 /
32bit**

53 builds, 55.2 GB

32-bit x86

edited Tuesday, 28 July 2015

1 release, 752 downloads, 35 clones, 0 comments

Recent activity

2015-08-16

There were 9 downloads and 1 clone of your published appliances.

[Gigi](#) cloned your [GNU Health 2.8 / KDE 4 / 64bit / UEFI](#)

2015-08-07

There were 6 downloads and 1 clone of your published appliances.

[Wadjie Bogne](#) cloned your [GNU Health 2.8 / KDE 4 / 64bit / UEFI](#)

From the blog

[SUSE Linux Enterprise 11 SP 4 is out](#)
SUSE Linux Enterprise 11 Service Pack 4 was released today. It contains lots ...

Maintenance

We are planning maintenance on our Studio hardware on Thursday 28.05.2015 bet...


[Read more...](#)






[See what others have made in the Gallery!](#)

It's easy to download appliances others have shared in Gallery. You can even clone from shared appliances!


Navigation - Gallery


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**SUSE OpenStack Cloud 4 Admin**
by SUSE


[Popular](#) [Newest](#) [Staff picks](#) [Most Cloned](#) [Highest Rated](#) [Partners](#)


**ownCloud in a box**
by Cornelius Schumacher


**Cr OS Linux**
by Chrome Linux


**Microsoft® Windows 9 Bubble**
by Dejan


**KDE 4 Reloaded**
by André Duffeck


**miniSUSE**
by hgj


**Android Developer's Desktop**
by prizm


**LAMP Server (32bit)**
by James Tan


**Windows 8 Lite**
by Andrew


**Excellent Samba4 Appliance**
by Masim Vavai Sugianto


**GNOME Reloaded**
by André Duffeck

**Upstream Cinnamon**
by Nick

**Smeegol**
by Andrew Wafaa

**LM-OS**
by Lokesh Mure

**GNOME 3.0**
by Frederic Crozat


**BrowserBox**
by Jacob Rask

[View all popular...](#)


SUSE Studio

Basic Functionality

Navigation - Tabs



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GNU Health 2.4.1 / KDE 4 / 32bit
32-bit x86, based on openSUSE 13.1
850 MB download, 2.5 GB uncompressed

Start

Software

Configuration

Files

Build

Share

Software information

3 patterns selected

71 packages selected

777 total packages

openSUSE 13.2 is now available

Upgrade


Welcome to SUSE Studio!

Configure your appliance using the tabs above.


When you're finally done making everything the way you want, [visit the Build tab](#) to generate your appliance.

But first, give your appliance a name! It will be used in the boot screen, and in several other places.

Appliance name:



[Switch to the Software tab to continue »](#)

 [Take notes](#)

Navigation - Software

Software information

3 patterns selected
71 packages selected
777 total packages

Software sources

[openSUSE 13.1 Updates](#), [openSUSE 13.1 OSS](#), [devel:languages:python 13.1](#), [Application:ERP:Tryton:3.0 13.1](#)

[+ Add repositories...](#) [📁 Upload and manage RPMs...](#)

Selected software

Patterns: [base](#), [kde4](#), [x11](#)

Packages: [bundle-lang-kde-en](#), [crda](#), [dbus-1-x11](#), [gdk-pixbuf-loader-rsvg](#), [glibc-locale](#), [glibc-locale](#), [gnuhealth](#), [grub2](#), [icewm](#), [iputils](#), [ipw-firmware](#), [iw](#), [kde4-kgreeter-plugins](#), [kdebase4-openSUSE](#), [kdebase4-workspace-branding-openSUSE](#), [kdebase4-workspace-ksysguardd](#), [kdm](#), [kdm-branding-openSUSE](#), [kernel-default](#), [kernel-firmware](#), [konsole](#), [less](#), [libiw30](#), [libreoffice-pyuno](#), [man](#), [nano](#), [netcfg](#), [net-tools](#), [NetworkManager](#), [okular](#), [openSUSE-release](#), [patterns-openSUSE-kde4_yast](#), [patterns-openSUSE-yast2_basis](#), [plasmoid-networkmanagement](#), [plymouth](#), [plymouth-branding-basedonopensuse](#), [postgresql92](#), [postgresql92-server](#), [postgresql-init](#), [python-gtk](#), [python-kde4](#), [python-qt4](#), [python-xdg](#), [soprano-backend-virtuoso](#), [SuSEfirewall2](#), [sysconfig](#), [sysconfig-netconfig](#), [sysconfig-network](#), [syslog-ng](#), [tryton](#), [unoconv](#), [vim](#), [wireless-regdb](#), [wireless-tools](#), [x11-tools](#), [xf86-video-modesetting](#), [xorg-x11](#), [xorg-x11-driver-input](#), [xorg-x11-driver-video](#), [xorg-x11-fonts](#), [xorg-x11-server](#) ✖ [yast2](#), [yast2-branding-openSUSE](#), [yast2-control-center-qt](#), [yast2-firstboot](#), [yast2-live-installer](#), [yast2-network](#), [yast2-online-update-frontend](#), [yast2-sysconfig](#), [yast2-theme-openSUSE](#), [yast2-x11](#), [zypper](#)

[⚙️ Quick add...](#)

Search for software

Show: [All repositories](#)

Your appliance



To be installed (777)



Selected (74)





Banned (0)



Recommended (868)








Navigation - Configuration

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**GNU Health 2.4.1 / KDE 4 / 32bit**
32-bit x86, based on openSUSE 13.1
850 MB download, 2.5 GB uncompressed

[Start](#) [Software](#) [Configuration](#) [Files](#) [Build](#) [Share](#)

Software information
3 patterns selected
71 packages selected
777 total packages

 **General**  Personalize  Startup  Server  Desktop  Appliance  Scripts

Default locale

Language:

Keyboard Layout:

Default time zone

Region:

Time Zone:

Network

☐ Do not configure network

☐ Configure network during first boot

☒ Use NetworkManager to configure the network at run-time

☐ Discover network settings automatically (DHCP)

☐ Manually configure network

Note: Your appliance will always run DHCP in Testdrive.

Firewall


☒ Enable firewall

☒ Open SSH port (22)

☒ Open HTTP ports (80, 443)

Users and groups

Login	UID (optional)	Password	Group	Home directory	Shell
root	0	<input type="text" value="tryton"/>	root	/root	/bin/bash

 [Take notes](#)

Navigation – Overlay files

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Overlay files


Files added here will be copied into the appliance after packages are installed. Adding files is optional.

- **Single files** will be copied to the specified directory.
- **Archives** (.tar, .tar.gz, .tar.bz2, .tgz, or .zip) will be extracted into the directory specified. Permissions and hierarchy will be preserved. Using archives is a great way to add many files at one time.


Name	Directory	Extract	Size	Owner/Group	Permissions
gnuhealth24.sql.bz2	/home/gnuhealth/	<input checked="" type="checkbox"/>	1.6 MB	gnuhealth / users	rw-rw-rw-
gnuhealth_mar23.tar.bz2	/	<input checked="" type="checkbox"/>	28.4 MB	postgres / users	rw-r--r--
libreoffice.tar.bz2	/home/gnuhealth/	<input checked="" type="checkbox"/>	200.1 KB	gnuhealth / users	rw-r--r--
Tryton.tar.gz	/home/gnuhealth/	<input checked="" type="checkbox"/>	1.2 KB	gnuhealth / users	rw-r--r--
boot.local	/etc/init.d/		419 Bytes	root / root	rxwxr-xr-x
dolphinrc	/etc/skel/kde4/share/config/		821 Bytes	gnuhealth / users	rw-----
GNUHealth.desktop	/home/gnuhealth/Desktop/		1.1 KB	gnuhealth / users	rxwxr-xr-x
kickoffrc	/etc/skel/kde4/share/config/		418 Bytes	gnuhealth / users	rw-----
plymouthd.conf	/etc/plymouth/		103 Bytes	root / root	rw-r--r--
SuSEfirewall2	/etc/sysconfig/		34 KB	root / root	rw-r--r--
SUSEgreeter	/usr/bin/		30.1 KB	root / root	rxwxr-xr-x
trytond.conf	/etc/		2.1 KB	root / users	rw-r--r--

[Take notes](#)

Navigation – Build



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[Start](#)[Software](#)[Configuration](#)[Files](#)[Build](#)[Share](#)

Software information

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Version

Default format:

Build

Additional formats:

- ☒ Preload USB Image
- ☒ Live CD / DVD (.iso)
- ☒ Preload ISO (.iso)
- ☒ VMware Workstation / VirtualBox (.vmdk)
- ☒ OVF Virtual Machine / ESXi (.ovf)
- ☒ Xen guest (.img)
- ☒ Hyper-V Virtual Hard Disk (.vhd)
- ☒ SUSE Cloud / OpenStack / KVM (.qcow2)

[Read more about formats...](#)

[Changelog...](#)[Configuration...](#)

Version 0.0.72

	SUSE Cloud / OpenStack / KVM (.qcow2)	890 MB	Testdrive Download View files
	Hyper-V Virtual Hard Disk (.vhd)	830 MB	Testdrive Download View files
	Xen guest (.img)	826 MB	Testdrive Download View files
	OVF Virtual Machine / ESXi (.ovf)	885 MB	Testdrive Download View files

 [Take notes](#)

SUSE Studio

Modify an existing system

Clone a system



Create new appliance...



GNU Health 2.4.1 / KDE 4 / 32bit



Published by [Axel Braun](#) Based on [openSUSE 13.1](#) 32-bit x86 Homepage at <http://health.gnu.org/>

GNU Health is a free Health and Hospital Information System with the following functionality:

- Electronic Medical Record (EMR)
- Hospital Information System (HIS)
- Health Information System

This installable live-CD offers a ready-to-run version of GNU Health.

Passwords: User gnuhealth: gnuhealth ; Demo-database: admin:gnusolidario

Note: First boot from USB-Stick is slow, as some setup on the stick is made. Second boot and working is much faster, and WLAN works then as well!

For installation instructions, see https://en.wikibooks.org/wiki/GNU_Health/The_Live-CD

0 comments

Download

Downloaded 461 times Cloned 24 times



Physical



Virtual



Cloud

Release notes

Security update to Tryton Server 3.0.7

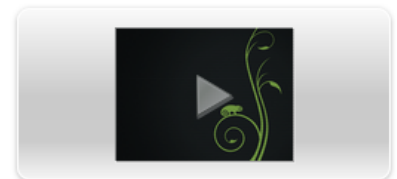
Version 0.0.72

Updated 11 months ago

Edit appliance...

Clone appliance...

Testdrive



Tags

Hospital Information System, GNUHealth, Tryton, ERP



View all appliances published by
[Axel Braun](#)

SUSE Studio

Testdrive

Testdrive

SUSE
studio

Test Drive 59:44

Modified Files

Networking: off

USB Stick / Hard Disk Image

Information shown on the testdrive console and keystrokes sent to testdrive are not encrypted. For secure access to your testdrive, we suggest using SSH.

Ctrl-Alt-F1

Ctrl-Alt-F2

Ctrl-Alt-F3

Ctrl-Alt-F7

Alt-F1

Alt-F2

Ctrl-Alt-Del

Ctrl-Alt-Back

Keyboard layout:

German

Booting `GNU Health 2.4.1 / KDE 4 / 32bit [OEM]`

Loading linux.vmx...

Loading initrd.vmx...

The highlighted entry will be executed automatically in 0s.

BUILT WITH
suse
studio

Testdrive – Modified files



Test Drive 55:47

Modified Files

Networking: off

USB Stick / Hard Disk Image

Exclude paths containing: (leave empty to exclude nothing)

Include paths containing: (leave empty to include everything)

Include change types: ☒ Add ☒ Modify ☒ Chmod ☒ Chown ☒ Remove

[Refresh Changes](#)

Note: You may need to run **sync** in your testdrive for filesystem changes to appear here.

Changed files: 87, ordered by: time

Page: 1 2 (items per page: 60 100)

Type	Path	Last changed	Size	Actions
<input type="checkbox"/> modify	/home/gnuhealth/.config/tryton/3.0/tryton.conf	25 seconds ago	346 Bytes	View , Diff , Download
<input type="checkbox"/> add	/home/gnuhealth/.xsession-errors-:0	29 seconds ago	30.9 KB	View , Download
<input type="checkbox"/> modify	/home/gnuhealth/.config/tryton/3.0/known_hosts	30 seconds ago	100 Bytes	View , Diff , Download
<input type="checkbox"/> add	/home/gnuhealth/.config/Trolltech.conf	109 seconds ago	14.4 KB	View , Download
<input type="checkbox"/> add	/home/gnuhealth/.kde4/share/config/SUSEgreeterrc	115 seconds ago	30 Bytes	View , Download
<input type="checkbox"/> add	/home/gnuhealth/.kde4/share/config/plasma-desktoprc	115 seconds ago	562 Bytes	View , Download
<input type="checkbox"/> add	/home/gnuhealth/.kde4/share/config/khotkeysrc	115 seconds ago	32.1 KB	View , Download
<input type="checkbox"/> add	/home/gnuhealth/.kde4/share/config/gtkrc	118 seconds ago	1.4 KB	View , Download
<input type="checkbox"/> add	/home/gnuhealth/.kde4/share/config/gtkrc-2.0	118 seconds ago	1.5 KB	View , Download
<input type="checkbox"/> add	/home/gnuhealth/.kde4/share/config/kio_desktoprc	119 seconds ago	25 Bytes	View , Download

Testdrive – feed back into build

- Update your modified files
- Rebuild appliance
- Iterative process
- Result: Your own appliance!

GNU Health @ SUSE Studio

suse
studio

Testdrive your appliance without any downloading.



Thank you!