

Introduction à SUSE Studio



SUSE Studio

- Présentation
- Utilisations
- Démonstration
 - Création de l'image
 - Test de l'image
- Et après ?
- Questions

Présentation



Présentation

- Outils en ligne utilisable gratuitement mais également disponible à l'achat pour être utilisé en local
- Permet de créer des images préconfigurées pour :
 - Des live-CD/DVD/USB
 - Des installateurs CD/DVD
 - Le virtuel : VMware, Xen, KVM
 - Le cloud : Amazon EC2
- Basé sur des technologies développées par openSUSE :
 - L'Open Build Service (OBS) : <http://openbuildservice.org/>
 - KIWI : <http://en.opensuse.org/Portal:KIWI>

Utilisation



Utilisation

- Cas pratiques d'utilisation :
 - Créer des démos sur CD/DVD, VM, ...
 - Déploiements répétés de VM
 - Créer votre propre système d'exploitation
- Fonctionnalités :
 - Tout configurer une seule fois (utilisateurs, réseau, ...)
 - Intégrer des fichiers spécifiques (scripts, applications, ...)
 - Tester l'image créée directement en ligne dans le Test Drive

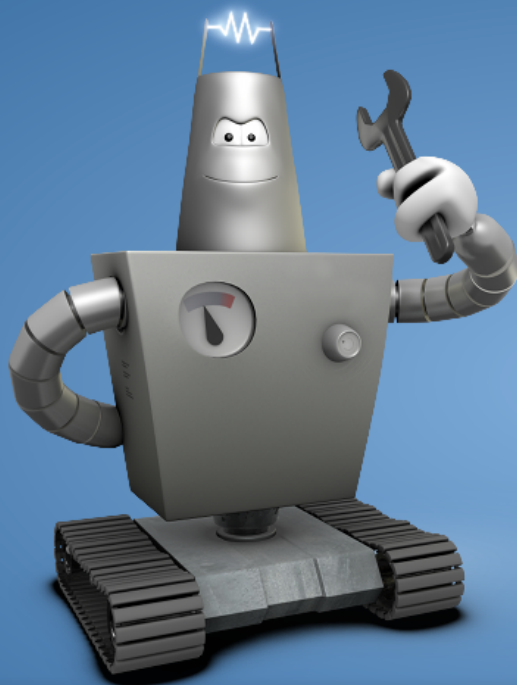
Démonstration



Démo – Création de l'image



suse
studio



Your software, everywhere!

Everywhere? Yes, everywhere. In the cloud, on a server, on a live CD. With SUSE Studio you can build it from your browser in just a few clicks.

[Sign in or create an account](#)

4534 builds this week!

[Interesting, tell me more ...](#)

Home – SUSE Studio - Mozilla Firefox

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Home – SUSE Studio

susestudio.com/home

Google



[Send feedback](#)[Gallery](#)[Home](#)[Guillaume GARDET](#)[Help](#)[Sign out](#)

Actions

[+ Create new appliance...](#)[Manage EC2...](#)

Your appliances

Private appliances

openSUSE 11.4



Guillaume's KDE 4 Reloaded

32-bit x86 – edited Wednesday, 02 November 2011



openSUSE 11.4 Live CD FR

2 builds, 1.07 GB – 32-bit x86 – edited Monday, 25 July 2011



Guillaume GARDET

[Edit account](#) | [View public page](#)

From the blog

[EC2 revisited](#)

We redesigned our user interface for the EC2 management page. Not only does ...

[ACE editor for scripts editing in SUSE Studio](#)

Ajax.org Cloud9 Editor (ACE) is a standalone code editor written in JavaScript...



SUSE gallery

[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!

Get involved!

Participate in the forum , send us some nice [feedback](#) , or communicate with us using "social media".

10

Browse published appliances – SUSE Gallery - Mozilla Firefox

Échier Édition Affichage Historique Marque-pages Outils Aide

Browse published appliances – S...

susestudio.com/browse

Google

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suse gallery

POWERED BY
openstack
SUSE CLOUD

SUSE Cloud Powered by OpenStack(tm)
by Christoph Thiel

Popular Newest Staff picks Most Cloned Highest Rated Partners

 **KDE 4 Reloaded**
Studio Team certified

 **LAMP Server (32bit)**
Studio Team certified

 **GNOME Reloaded**
Studio Team certified

 **miniSUSE**
by hgj

 **GNOME 3**
by Frederic Crozat

 **Smeegol**
by Andrew Wafaa

 **Android Developer's Desk...**
by prizm

 **Upstream OS 7**
by Nick

 **ownCloud in a box**
by Cornelius Schumacher

 **BrowserBox**
by Jacob Rask

 **openSUSE-Medical_os113_32...**
openSUSE medical certified

 **OpenMedia**
by Orb

 **PJS VMware Open View 4 - s...**
by P Shoaf

 **GoogleChrome OS X**
by jh12

 **ZoneMinder Appliance**
by SIMH

[View all popular...](#)

 **Run your own SUSE Studio**
Take control of appliance building! Check out [SUSE Studio](#)

suse studio

Create new appliance...

KDE 4 Reloaded - SUSE Gallery - Mozilla Firefox

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KDE 4 Reloaded - SUSE Gallery

susestudio.com/a/zpqr67/kde-4-reloaded

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[Guillaume GARDET](#)

[Help](#)

[Sign out](#)

[Create new appliance...](#)



KDE 4 Reloaded

★★★★☆

Published by [André Duffeck](#) Based on [openSUSE 11.4](#) 32-bit x86

Desktop template with updated KDE packages.

[59 comments](#)

Download

Downloaded 2271 times Cloned 5288 times

 USB & flash

 CD & DVD

 Hard disk

 Virtual

Release notes

Fixed the testdrive login problem

Technical Details

Appliance configuration

Security summary

Accounts

User	Password
root	linux
tux	linux

Studio Team

CERTIFIED APPLIANCE

Version 0.4.1

Updated 3 months ago

[Clone appliance...](#)

Testdrive



Tags

[KDE, desktop](#)

Older releases

[Version 0.4.0](#) - 98 days old

[Version 0.3.0](#) - 228 days old

[Version 0.2.0](#) - 280 days old

[Version 0.1.1](#) - 412 days old

[Version 0.1.0](#) - 430 days old

[Version 0.0.5](#) - 475 days old

Includes the following unofficial sources:
[KDE4:Release 47 11.4](#)

 No custom software packages were uploaded.

Overlay files were uploaded, but none are executable

En attente de msg.susestudio.com...

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KDE 4 Reloaded - SUSE Gallery Guillaume's KDE 4 Reloaded - ...

susestudio.com/appliance/edit/509078#/start

☆ Google

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Start Software Configuration Files Build Share

Guillaume's KDE 4 Reloaded



 **Preload ISO**

Based on: openSUSE 11.4
Platform: 32-bit x86

Used space: **1.2 GB**
Download size: **330 MB**

4 patterns selected
28 packages selected
418 total packages

 Take notes

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 »](#)

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susestudio.com/appliance/edit/509078#/software

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Guillaume's KDE 4 Reloaded



 Preload ISO

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418 total packages

 Take notes

Software sources

[openSUSE 11.4 Updates](#), [openSUSE 11.4 OSS](#), [KDE4:Release 47 11.4](#)

[Add repositories...](#) [Upload RPMs...](#)

Selected software

Patterns: [base](#), [kde4](#), [kde4_basis](#), [x11](#)

Packages: [bootsplash-branding-openSUSE](#), [ConsoleKit-x11](#), [dbus-1-x11](#), [icewm](#), [kdm](#),
[kdm-branding-openSUSE](#), [kernel-default](#), [konsole](#), [less](#), [mdadm](#), [plasma-addons](#),
[sax2-tools](#), [soprano-backend-virtuoso](#), [SuSEfirewall2](#), [sysvinit](#), [vim](#), [x11-tools](#),
[xorg-x11-driver-input](#), [xorg-x11-driver-video](#), [xorg-x11-driver-video-unichrome](#), [xorg-x11-fonts](#),
[xorg-x11-server](#), [xorg-x11-server-extra](#), [yast2](#), [yast2-firstboot](#), [yast2-ncurses](#),
[yast2-ncurses-pkg](#), [zypper](#)

[Quick add...](#)

Search for software

Show: [All repositories](#)

Your appliance

 [To be installed](#) (418)  [Selected](#) (57)  [Banned](#) (0)  [Recommended](#) (777)

All available software

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susestudio.com/appliance/edit/509078#/configuration/general

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Guillaume's KDE 4 Reloaded

Preload ISO
Based on: openSUSE 11.4
Platform: 32-bit x86
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Messages

Error: NetworkManager is required to configure the network at run-time.
[Add NetworkManager](#)

General Personalize Startup Server Desktop Appliance Scripts

Default locale

Language: French
Keyboard Layout: French

Default time zone

Region: Europe
Time Zone: France

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	linux	root	/root	/bin/bash
tux		linux	users	/home/tux	/bin/bash

+ Add new user...

Take notes

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Start Software **Configuration** Files Build Share

General Personalize Startup Server Desktop Appliance Scripts

Guillaume's KDE 4 Reloaded



Preload ISO

Based on: openSUSE 11.4
Platform: 32-bit x86

Used space: **1.2 GB**
Download size: **330 MB**

4 patterns selected
28 packages selected
418 total packages

Messages

Error: NetworkManager is required to configure the network at run-time.
[Add NetworkManager](#)

 Take notes

Appliance logo

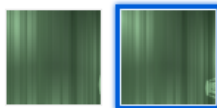




Upload new logo...

Appliance background





Upload new background...

Preview



Boot selection (grub)



Boot

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General Personalize Startup Server Desktop Appliance Scripts

Default runlevel

Start in runlevel: 5: Graphical Login

End user license agreement (EULA)

When your appliance boots for the first time, the user must agree to any and all EULAs listed below.

+ Add a new EULA

Preload ISO

Based on: openSUSE 11.4
Platform: 32-bit x86

Used space: 1.2 GB
Download size: 330 MB

4 patterns selected
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Messages

Error: NetworkManager is required to configure the network at run-time.
[Add NetworkManager](#)

Take notes

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Guillaume's KDE 4 Reloaded



 Preload ISO

Based on: openSUSE 11.4
Platform: 32-bit x86

Used space: **1.2 GB**
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4 patterns selected
28 packages selected
418 total packages

Messages

Error: NetworkManager is required to configure the network at run-time.
[Add NetworkManager](#)

 Take notes

General Personalize Startup **Server** Desktop Appliance Scripts

Database configuration

☐ Set up PostgreSQL

☐ Set up MySQL

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General Personalize Startup Server Desktop Appliance Scripts

Automatic desktop user log in

☐ Automatically log in user **tux** (root is not allowed)

Autostart desktop programs

Command	Start for user	Comment (optional)
	tux	☒ Enabled

+ Add new autostart program...

Preload ISO

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Used space: **1.2 GB**
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4 patterns selected
28 packages selected
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Messages

Error: NetworkManager is required to configure the network at run-time.
[Add NetworkManager](#)

Take notes

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Guillaume's KDE 4 Reloaded

Preload ISO

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[Add NetworkManager](#)

Take notes

General Personalize Startup Server Desktop Appliance Scripts

Disk and memory

OVF, VMware, and Xen

Note: Memory has to be a multiple of 4.

Memory: 512 MB

EC2, OVF, VMware, and Xen

Disk size: 16 GB

Disk image

Note: When first launched, a disk image will expand its filesystem to fill available space.

Swap partition: 512 MB

All formats

☐ Enable [extended memory \(PAE\)](#), to access more than 4GB

Logical Volume Manager

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Guillaume's KDE 4 Reloaded

Preload ISO

Based on: openSUSE 11.4
Platform: 32-bit x86

Used space: 1.2 GB
Download size: 330 MB

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418 total packages

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Error: NetworkManager is required to configure the network at run-time.
[Add NetworkManager](#)

Take notes

General Personalize Startup Server Desktop Appliance Scripts

Custom scripts

Run commands specific to your appliance, at the end of build, or at boot time.

☒ Run script at the end of the build

```

1 #!/bin/bash -e
2 #
3 # This script is executed at the end of appliance creation. Here you can do
4 # one-time actions to modify your appliance before it is ever used, like
5 # removing files and directories to make it smaller, creating symlinks,
6 # generating indexes, etc.
7 #
8 # The 'kiwi_type' variable will contain the format of the appliance (oem =
9 # disk image, vmx = VMware, iso = CD/DVD, xen = Xen).
10 #
11
12 # read in some variables
13 . /studio/profile
14
15 # read in KIWI utility functions
16 . /.kconfig
17
18 chown tux:users /home/tux/.kde4 -R
  
```

☐ Run script whenever the appliance boots

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Sign out

Guillaume's KDE 4 Reloaded



Preload ISO

Based on: openSUSE 11.4
Platform: 32-bit x86

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Error: NetworkManager is required to configure the network at run-time.

[Add NetworkManager](#)

Take notes

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
☐ kwinrc	/home/tux/kde4/share/config/		28 Bytes	tux / users	rw-----

Select all / Select none

Upload file...

Add from the Web (URL)...

Disable

Enable

Move / Rename

Edit details

Remove

22

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Start Software Configuration Files **Build** Share

Guillaume's KDE 4 Reloaded



Preload ISO

Based on: openSUSE 11.4
Platform: 32-bit x86

Used space: **1.2 GB**
Download size: **330 MB**

[4 patterns selected](#)
[29 packages selected](#)
[433 total packages](#)

Software changes

Added NetworkManager [Undo](#)

Added 15 package, totaling 11.6 MB
[View details...](#)

[Take notes](#)

Version

Default format:

[Build](#)

Additional formats:

- ☐ Amazon EC2 image
- ☒ USB stick / hard disk image
- ☒ Live CD/DVD (.iso)
- ☐ VMware / VirtualBox / KVM (.vmdk)
- ☐ OVF virtual machine (.ovf)
- ☐ Xen guest

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

[Export your appliance's Kiwi configuration](#), for building your appliance locally. (For advanced users only)

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Google

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Start Software Configuration Files **Build** Share

Guillaume's KDE 4 Reloaded



Preload ISO
Based on: openSUSE 11.4
Platform: 32-bit x86
Used space: **1.2 GB**
Download size: **330 MB**
[4 patterns selected](#)
[29 packages selected](#)
[433 total packages](#)

Software changes
Added NetworkManager [Undo](#)
Added 15 package, totaling 11.6 MB
[View details...](#)

[Take notes](#)

Version **0.0.2**

Default format: **Preload ISO (.iso)**

Build

Additional formats:

- ☐ Amazon EC2 image
- ☒ USB stick / hard disk image
- ☒ Live CD/DVD (.iso)
- ☐ VMware / VirtualBox / KVM (.vmdk)
- ☐ OVF virtual machine (.ovf)
- ☐ Xen guest

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

Version 0.0.1

 Preload ISO	453 MB	Testdrive	Download	View files	✕
---	--------	---------------------------	--------------------------	----------------------------	-------------------

[Build additional](#)

Builds older than seven days may be deleted to free up space on our servers. But don't worry, you can rebuild them at any time.
[View MD5 checksums](#), for verification that your appliance's download was successful.

Export

Build your appliance locally, using [Kiwi](#), a command-line tool. Please consult the README in your download for more details.

Démo – Tests de l'image



Guillaume's KDE 4 Reloaded - SUSE Studio - Mozilla Firefox

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KDE 4 Reloaded - SUSE Gallery Guillaume's KDE 4 Reloaded - ... - SUSE Studio

susestudio.com/appliance/edit/509078#/build

Google

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Start Software Configuration Files **Build** Share

Guillaume's KDE 4 Reloaded



Preload ISO

Based on: openSUSE 11.4
Platform: 32-bit x86

Used space: **1.2 GB**
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4 patterns selected
29 packages selected
433 total packages

Software changes
Added NetworkManager Undo

Added 15 package, totaling 11.6 MB
[View details...](#)

 [Take notes](#)

Version

Default format:  **Build**

Additional formats:

- ☐ Amazon EC2 image
- ☒ USB stick / hard disk image
- ☒ Live CD/DVD (.iso)
- ☐ VMware / VirtualBox / KVM (.vmdk)
- ☐ OVF virtual machine (.ovf)
- ☐ Xen guest

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

Version 0.0.1

 Preload ISO	453 MB	 Testdrive	 Download	 View files	
---	--------	---	--	--	---

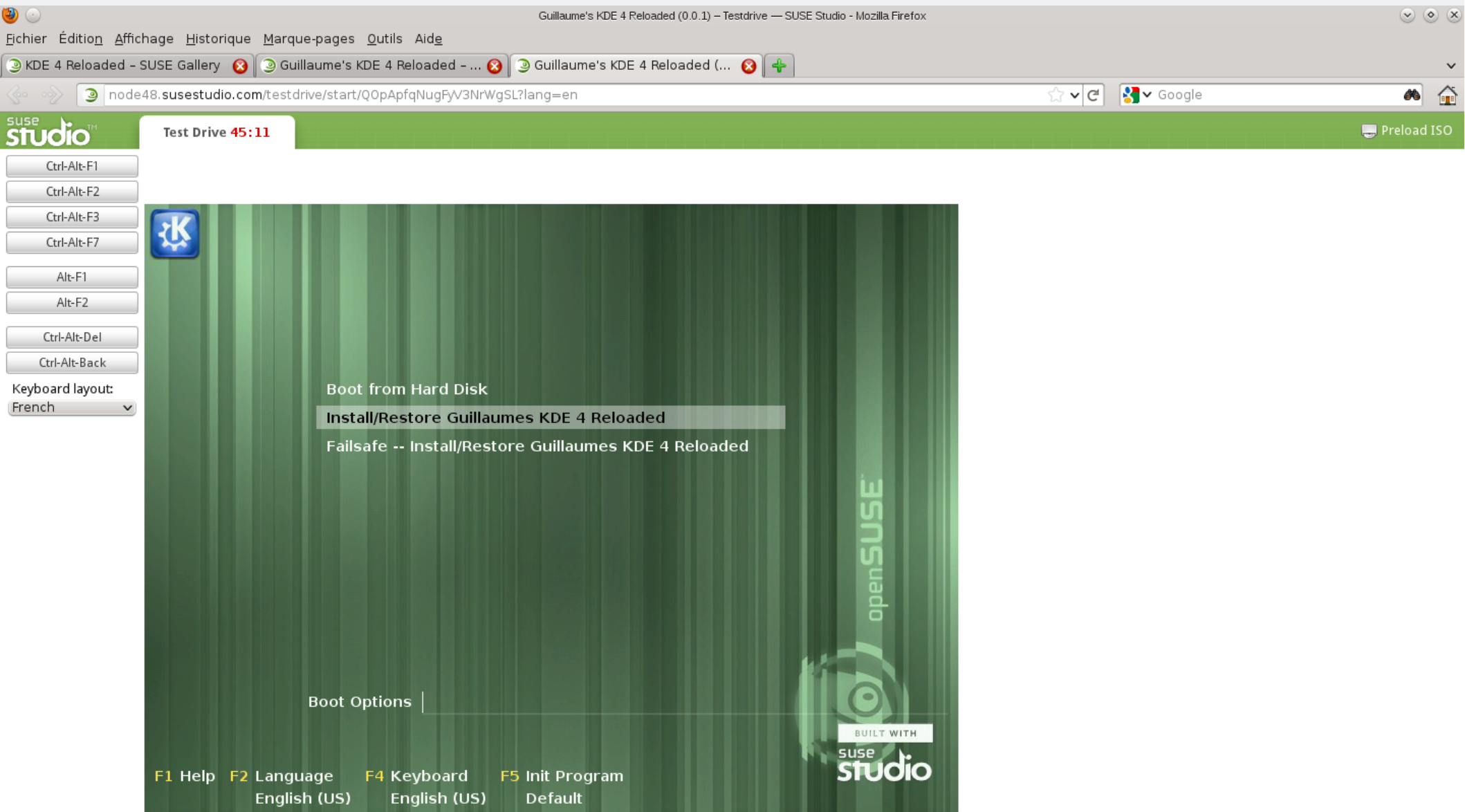
Build additional

Builds older than seven days may be deleted to free up space on our servers. But don't worry, you can rebuild them at any time.

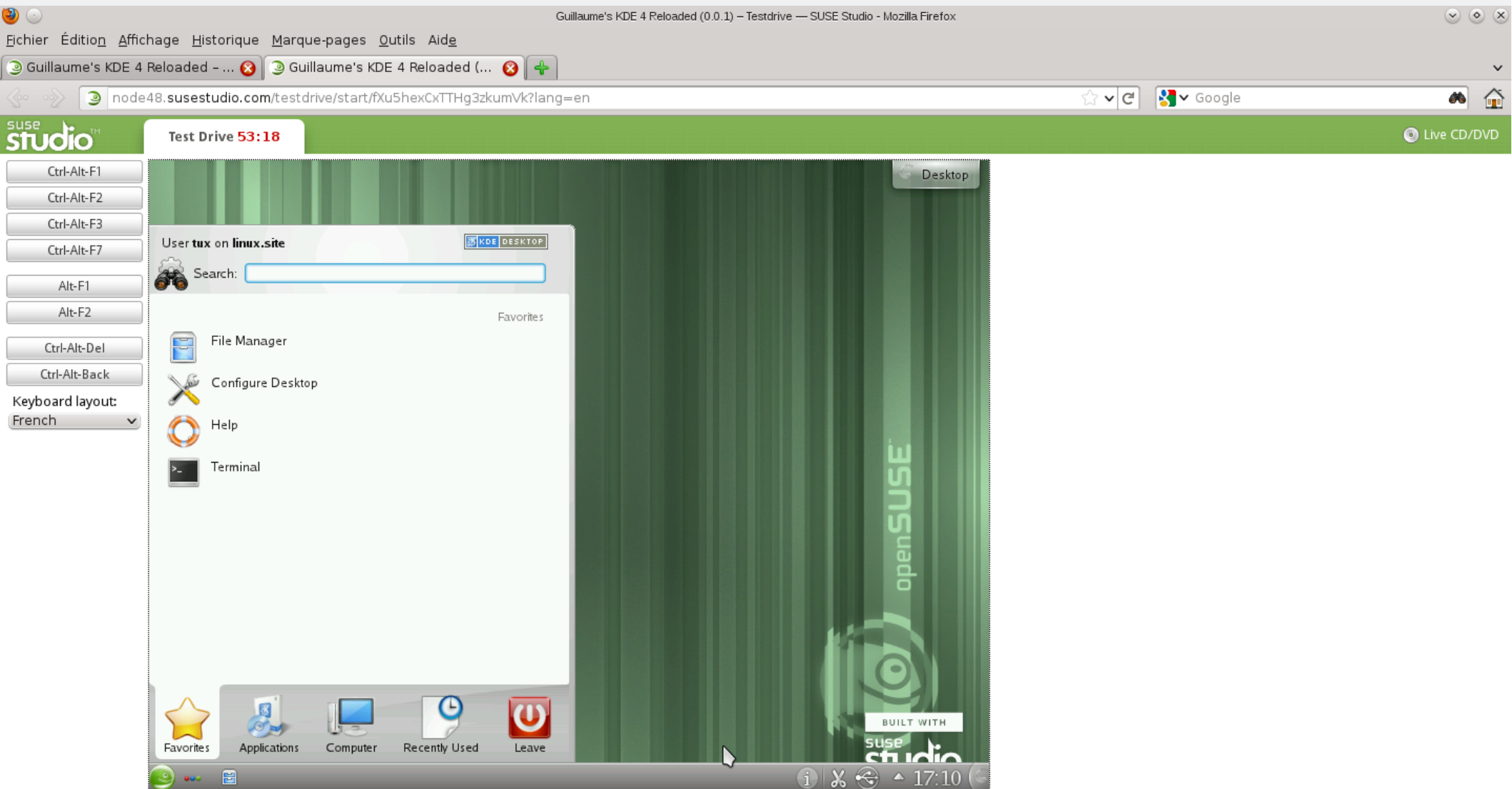
[View MD5 checksums](#), for verification that your appliance's download was successful.

Export

Build your appliance locally, using [Kiwi](#), a command-line tool. Please consult the README in your download for more details.







Et après ?



Et après ?

- Venez à l'atelier sur SUSE Studio pour créer pas à pas votre propre image et la tester
- Testez par vous même sur <http://susestudio.com>

Questions ?



