SUSE® Studio On-site & IBM System z

Jeff Lindholm
JLindholm@novell.com
Technology Sales Specialist, Detroit
SUSE Linux Products GmbH

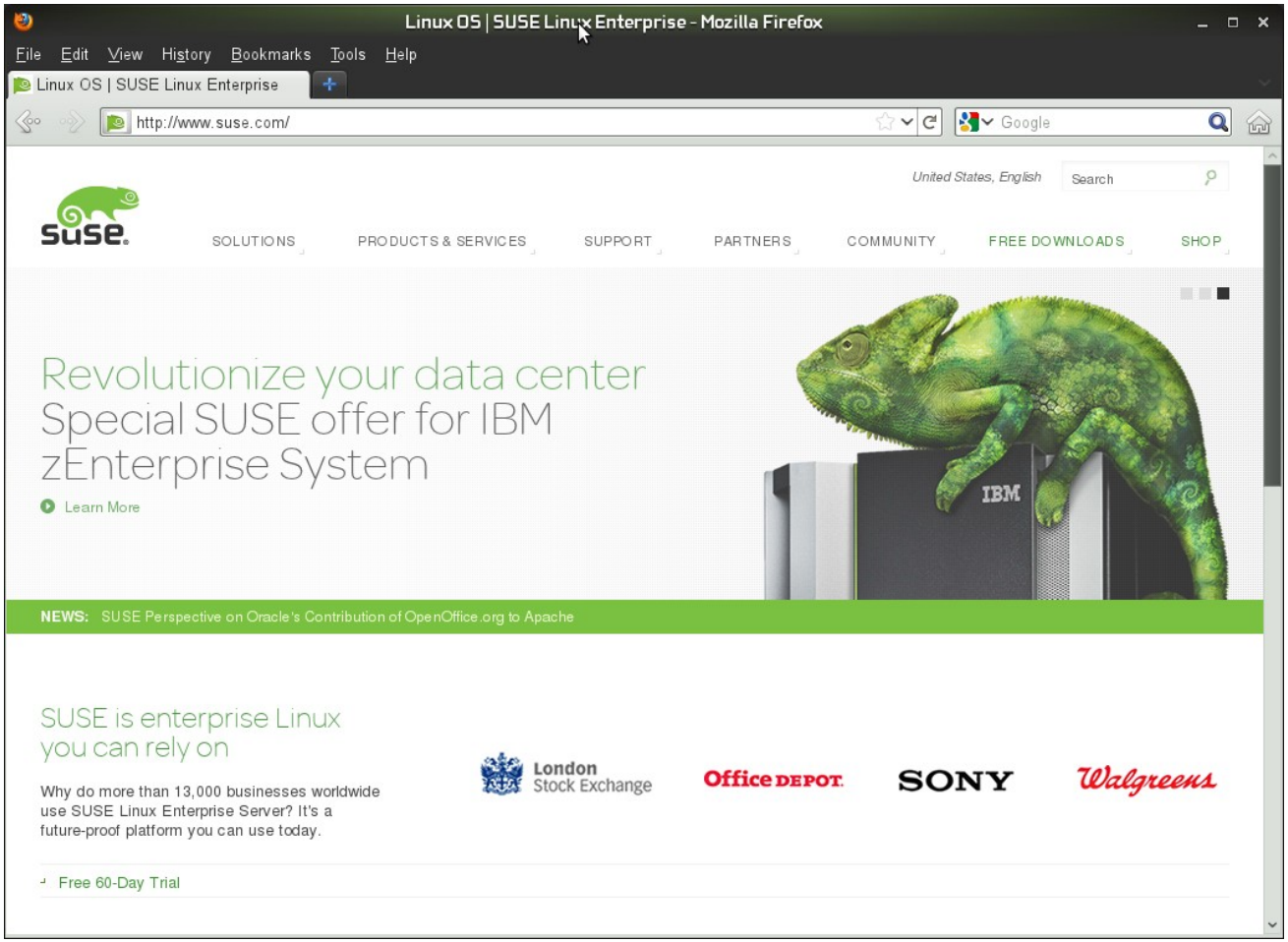
Don Vosburg
DVosburg@novell.com
Technology Sales Specialist, Detroit
SUSE Linux Products GmbH

4 COMPANIES THAT GET **IT**
1 **PURPOSE**

The Attachmate Group, Inc.


suse®

The all new suse.com



Agenda

- **Overview of SUSE Studio**
- **Demo**
  - Configuration and Building
  - Testdrive
- **Questions and Feedback**

SUSE Linux Enterprise

The most interoperable platform for mission-critical computing, both physical and virtual—from the desktop to the data center

SUSE® Linux Enterprise
Product Lines and Products

Server Product Line

- SUSE Linux Enterprise Server
- SUSE Linux Enterprise Server for System z
- SUSE Linux Enterprise High Availability Extension
- SUSE Linux Enterprise Real Time Extension
- SUSE Linux Enterprise Mono Extension
- SUSE Linux Enterprise Point of Service
- SUSE Linux Enterprise Server for SAP Applications

SUSE Manager

Desktop Product Line

- SUSE Linux Enterprise Desktop
- LibreOffice

Virtualization Product Line

- SUSE Linux Enterprise Server

Appliance Product Line

- SUSE Studio Online
- SUSE Studio Advanced Edition

Specialized Support Offers

- SUSE Linux Enterprise Server Subscription with Expanded Support (for Red Hat migrations)
- SUSE Linux Enterprise Server Priority Support for SAP

Appliance Defined

A software application combined with an operating system designed to run on industry-standard hardware, virtual machine, or cloud environment

Appliances Reduce Installation and Support Costs

Appliance

Integrated, complete solution

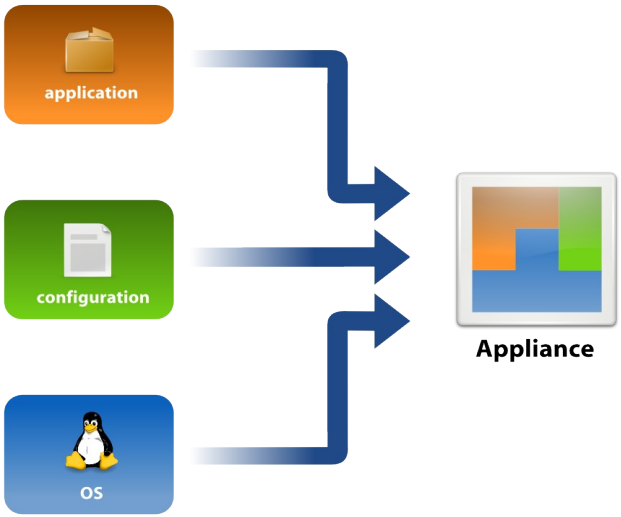
Press play installation

Deployable across platforms

Simpler support and maintenance

SUSE® Linux Enterprise
Ready for Appliances and Cloud Today

Buy packaged appliances from Independent Software Vendors (ISVs):



Or build custom OS images and turnkey appliances yourself:

SUSE Studio

SUSE® Studio Onsite

WebYaST

SUSE Lifecycle Management Server

SUSE® Studio

SUSE Studio Appliance Toolkit

+ Customize the OS
+ Simplify Deployments
+ Simplify Maintenance

Build
Manage
Maintain

The SUSE Studio Toolkit is a collection of tools designed to improve the efficiency of building, managing and maintaining software appliances.

http://www.suse.com/product/susestudio

Target Audiences

Enterprises

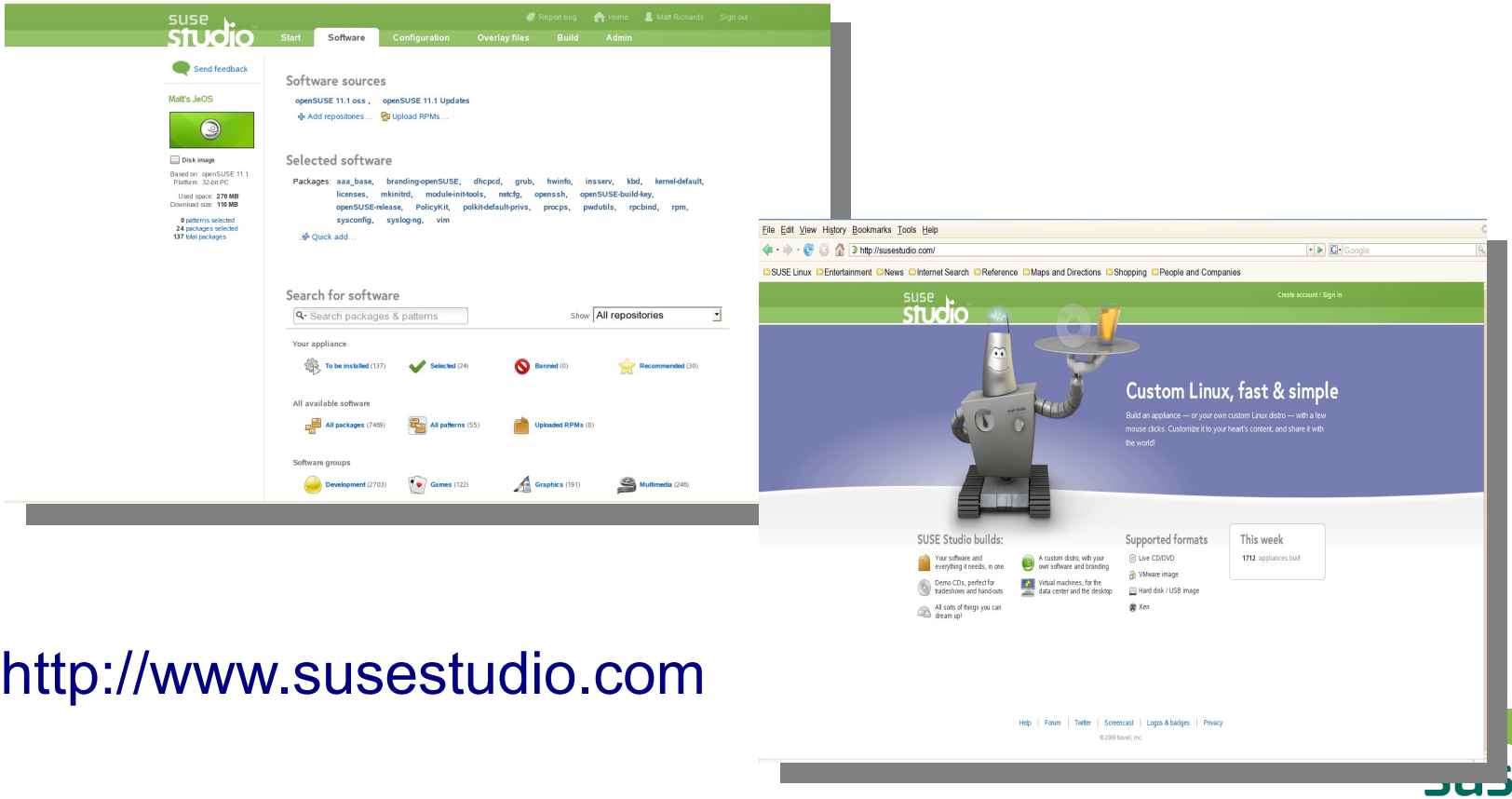
SUSE® Linux Enterprise

ISVs

SUSE Appliance Program

SUSE® Studio Online

Free hosted service that allows fast and easy creation and



http://www.susestudio.com

Keeping the Momentum

SUSE Studio
"a product of the year"
eWeek

SUSE® Studio
"The 10 Coolest Open-Source Products Of 2009" ChannelWeb

SUSE Studio
2010 Codie Award Finalist

125,000 Registered users are using SUSE Studio Online

700,000 Appliances have been built

5,000 Appliances have been published

SUSE® Studio Advanced Edition

SUSE Studio Onsite:

Behind firewall stand-alone version of SUSE Studio

Kiwi Support:

Fully supported, command line scriptable appliance creation behind the firewall, integrates with SUSE Studio

WebYaST:

Provides YaST functionality through a web interface

SUSE Lifecycle Management Server:

Serves updates, includes access control to restrict access to repositories, allows for multiple update streams or channels

SUSE® Studio

Fastest, Easiest Way to Create Appliances

SUSE Studio Online

- Free hosted appliance creation tool
- Builds appliance in just a few minutes and with a few clicks
- Offers SUSE Linux Enterprise (SLE) 11 SP1, SLE 10 SP4, and openSUSE 11.4 as supported base OS
- Minimal version of SUSE Linux Enterprise (JeOS) creates streamlined efficient appliances
- Supports 32-bit (ix86) and 64-bit (x86_64) architectures
- Output formats include Xen, KVM, VMware, VirtualBox, OVF, Live CD/DVD, Preload ISO, disk images for USB sticks and hard disks, Amazon EC2
- Includes SUSE Gallery for showcasing appliances
- Try it out at http://susestudio.com

SUSE Studio Onsite 1.2

- Supported, behind-the-firewall and stand-alone version of SUSE Studio
- Everything available in Studio Online, plus:
  - Support for System z images (zFCP and DASD)
  - Private appliance sharing with specific users
  - Output PXE/Netboot format for easy data-center deployments

SUSE Studio Advanced Edition

- Automating many routine and labor-intensive tasks
- Fast turnaround time in the image or workload creation process
- Single, consistent web-interface to build, manage and deploy workloads across mainframes and x-86 environments as well as physical, virtual and cloud environments
- For novices and experts

Boost Mainframe Deployment

SUSE Studio Advanced Edition

- **System z extension for SUSE Studio**
- **Extending the build and update capabilities of SUSE Studio to IBM System z platform**
  - Provide base System z templates
  - Tailored for System z configuration
  - Easy to use web interface reduces the complexity of creating System z images
- **Ability to test and debug the System z images before deploying**
  - Test Drive allows testing of images, modify and rebuild
  - Saves time in the development cycle

Build with KIWI

Scriptable command line tool that builds software images from a description file.

The core image creation engine integrated into SUSE® Studio.

Automated build tools, as a KIWI script can be called to create new appliances automatically when a new build is available.

KIWI is provided free to the community.

Appliance creation

Move into the suse_history directory and execute the following command:

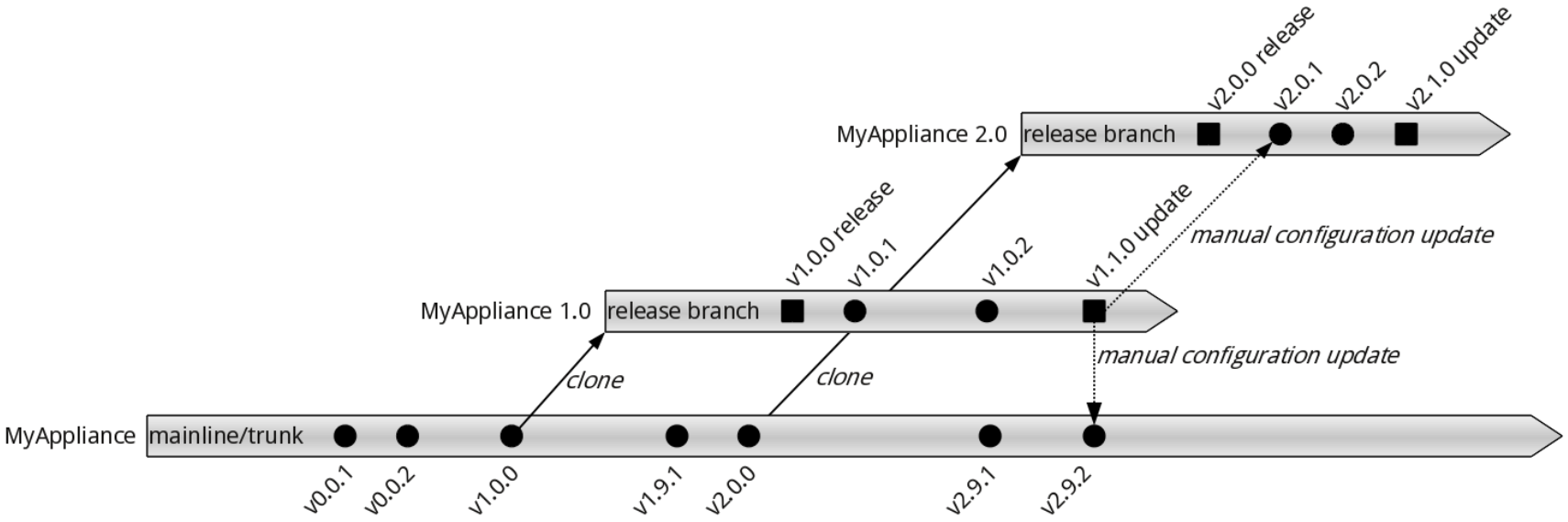
```
01. dister create suse_history
```

```
flavio@roesti ~/suse_history ±master » dister create suse_history
Cloning appliance.........      [DONE]
Adding devel:language:ruby:extensions 11.4 repository.............      [DONE]
Adding devel_C_C++ package...       [DONE]
Adding devel_ruby package...       [DONE]
Adding rubygem-bundler package...       [DONE]
Adding rubygem-passenger-apache2 package..       [DONE]
Adding postgresql-server package...       [DONE]
Adding rubygem-pg package...       [DONE]
Uploading build scripts.......       [DONE]
SUSE Studio appliance successfull created:
  https://susestudio.com/appliance/edit/354202
flavio@roesti ~/suse_history ±master⚡ »
```

Creating a SUSE Studio appliance with dister

Revision Management - Version cloning

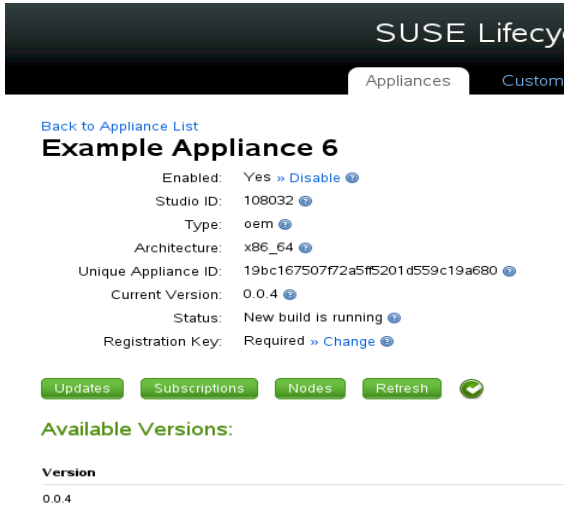
- Branched appliance development

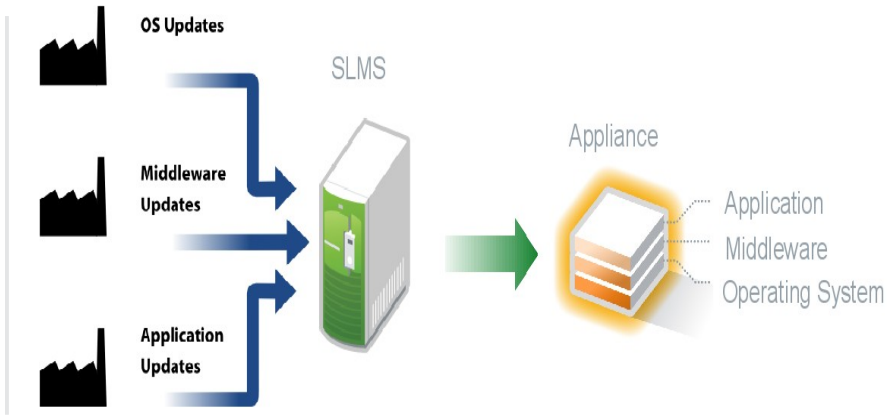


Maintain with
SUSE® Lifecycle Management Server

Streamlines the **update** and **maintenance** of software appliances.

Monitor and maintain software appliances throughout their lifetimes.



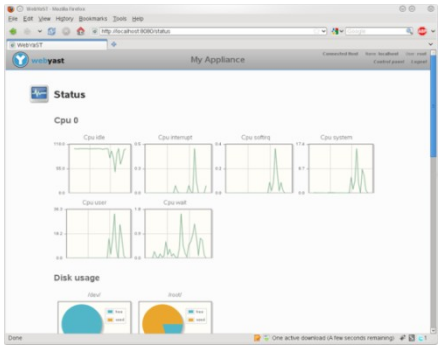


Manage with WebYaST

Web-based management interface for full visibility into the configuration, health and performance of your SUSE® Linux Enterprise

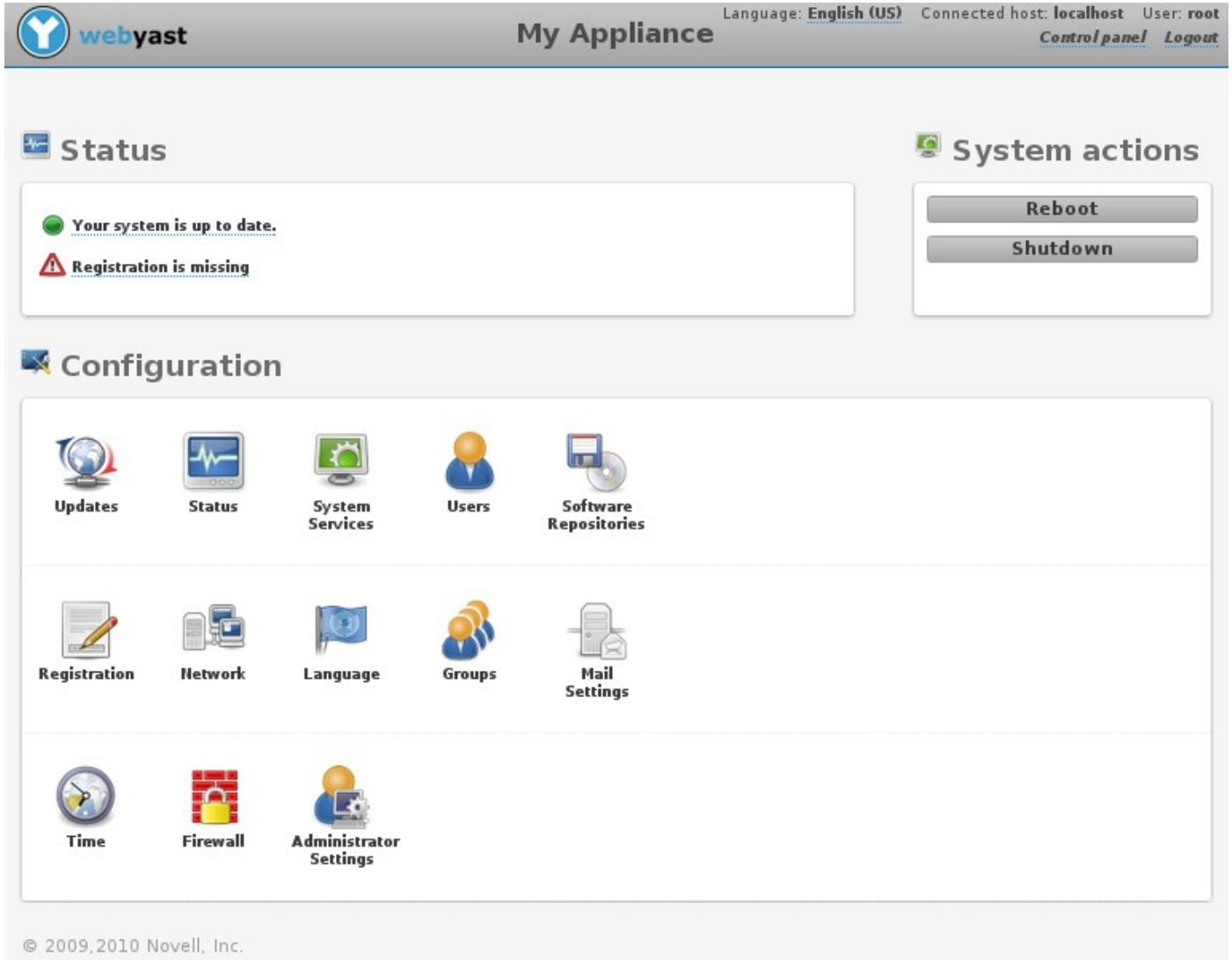
Configuration of software appliances
(Modules include: storage, bootloader, timezone, software appliance management updates, user management, hardware customization)

Administration of installed system
(Modules include: Status, soft-shutdown, reboot, monitoring, license/EULA and registration, service start/stop/status)



WebYast

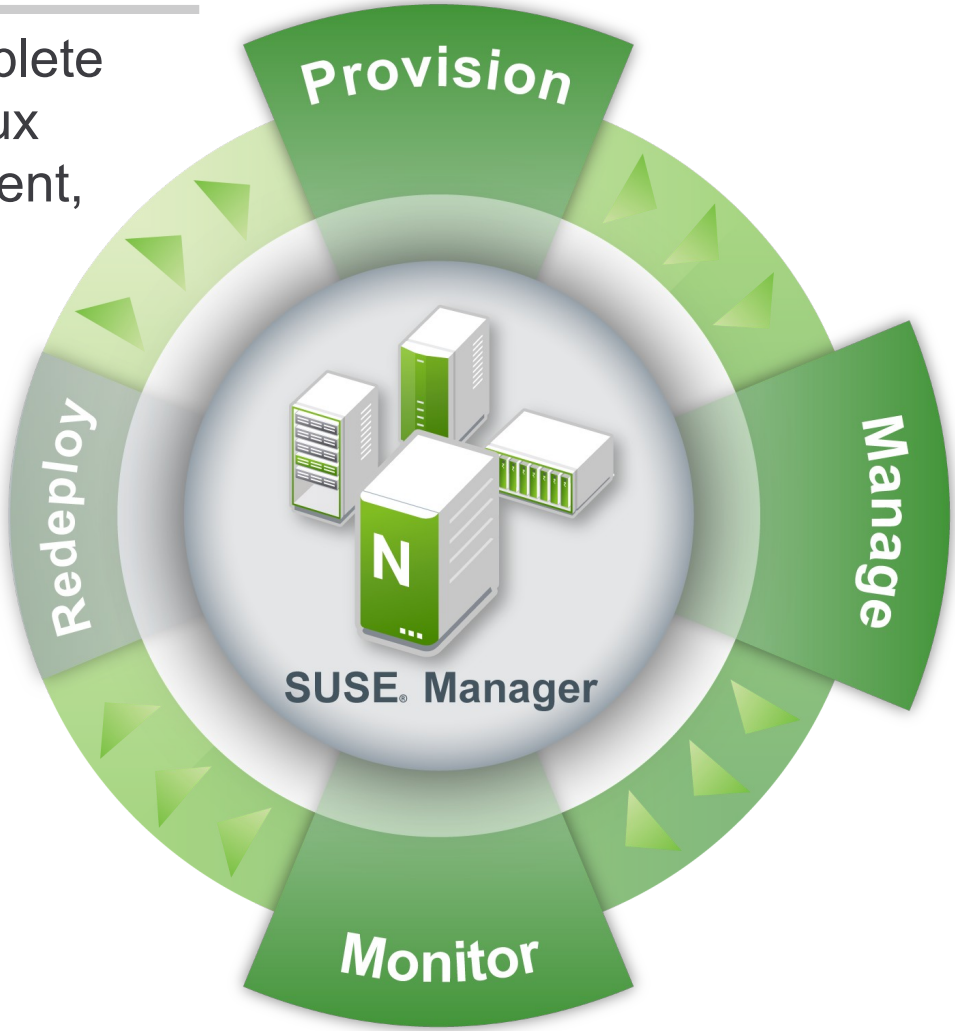
Web based System Management Interface



SUSE® Manager

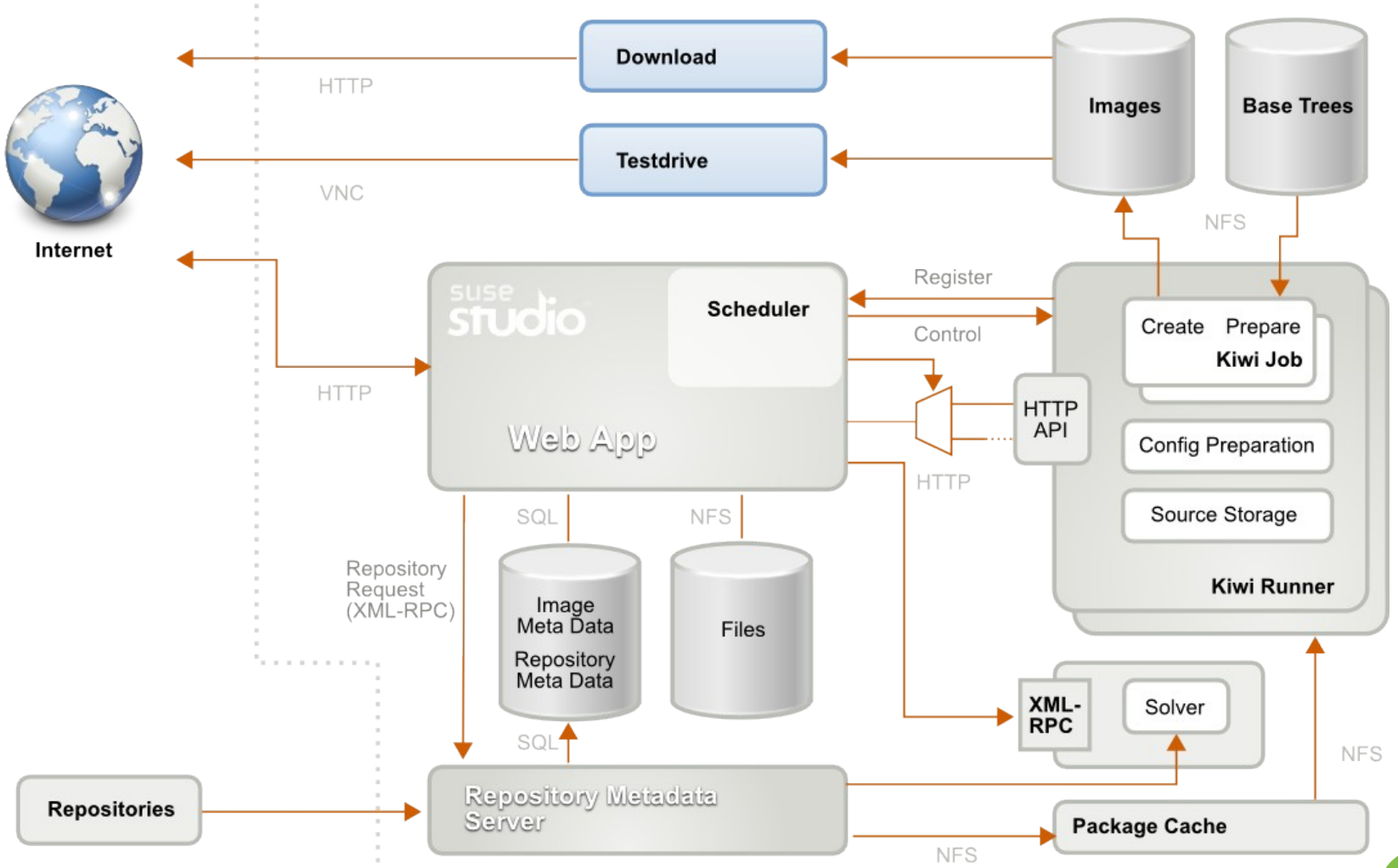
Modular Approach

SUSE Manager delivers complete lifecycle management for Linux servers through its management, provisioning, and monitoring modules



Demo

Architecture



Questions & Feedback


suse®

Appendix

Maintain with
SUSE® Lifecycle Management Server

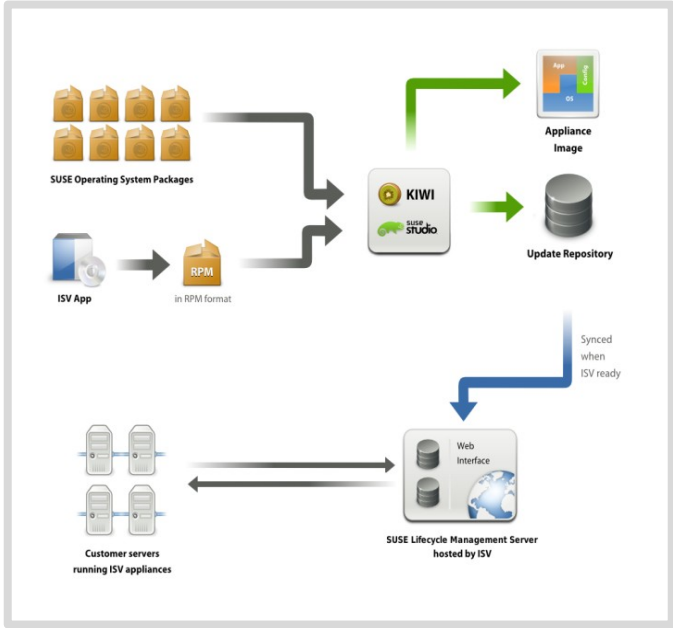
Update and maintenance of deployed software appliances.

Unified update mechanism, federating updates for all components of the appliance.

Repository management, staging repositories support for quality assurance

Authentication, entitlement and access control required to distribute updates.

Management of essential customer data, interface to CRM systems



Screenshots - Building

Home – SUSE Studio

susestudio.com/home

suse studio

Report bug | Gallery | Home | Cornelius Schumacher | Help | Sign out

Send feedback

Create new appliance...

Your appliances

openSUSE 11.3

WebYaST Demo
1 build, 274 MB – 32-bit x86 – edited 2 months ago

openSUSE 11.2

Cornelius' LAMP Server Clone
32-bit x86 – edited 13 days ago

openSUSE 11.1

Cornelius' JeOS
32-bit x86 – edited 2 years ago

KDE 4.2
1 build, 379 MB – 32-bit x86 – edited 4 months ago

openSUSE 11.0

Mediawiki Demo
2 builds, 926 MB – 32-bit x86 – edited one year ago

Cornelius Schumacher
Change account settings...

EC2 BY AMAZON

Manage your Amazon EC2 appliances...

suse gallery

See what others have made in the Gallery!

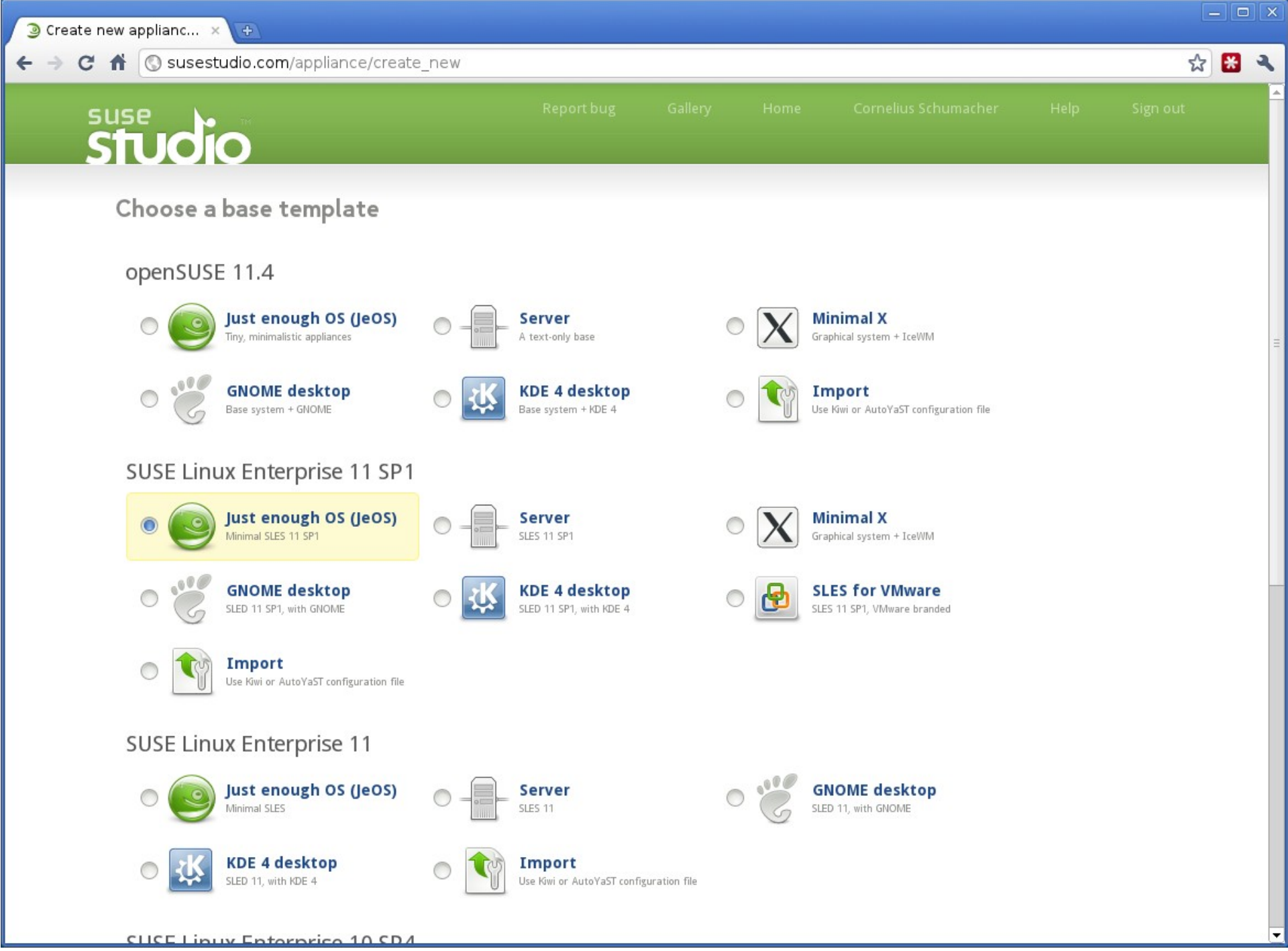
It's easy to download appliances others have shared in Gallery. You can even clone from shared appliances!

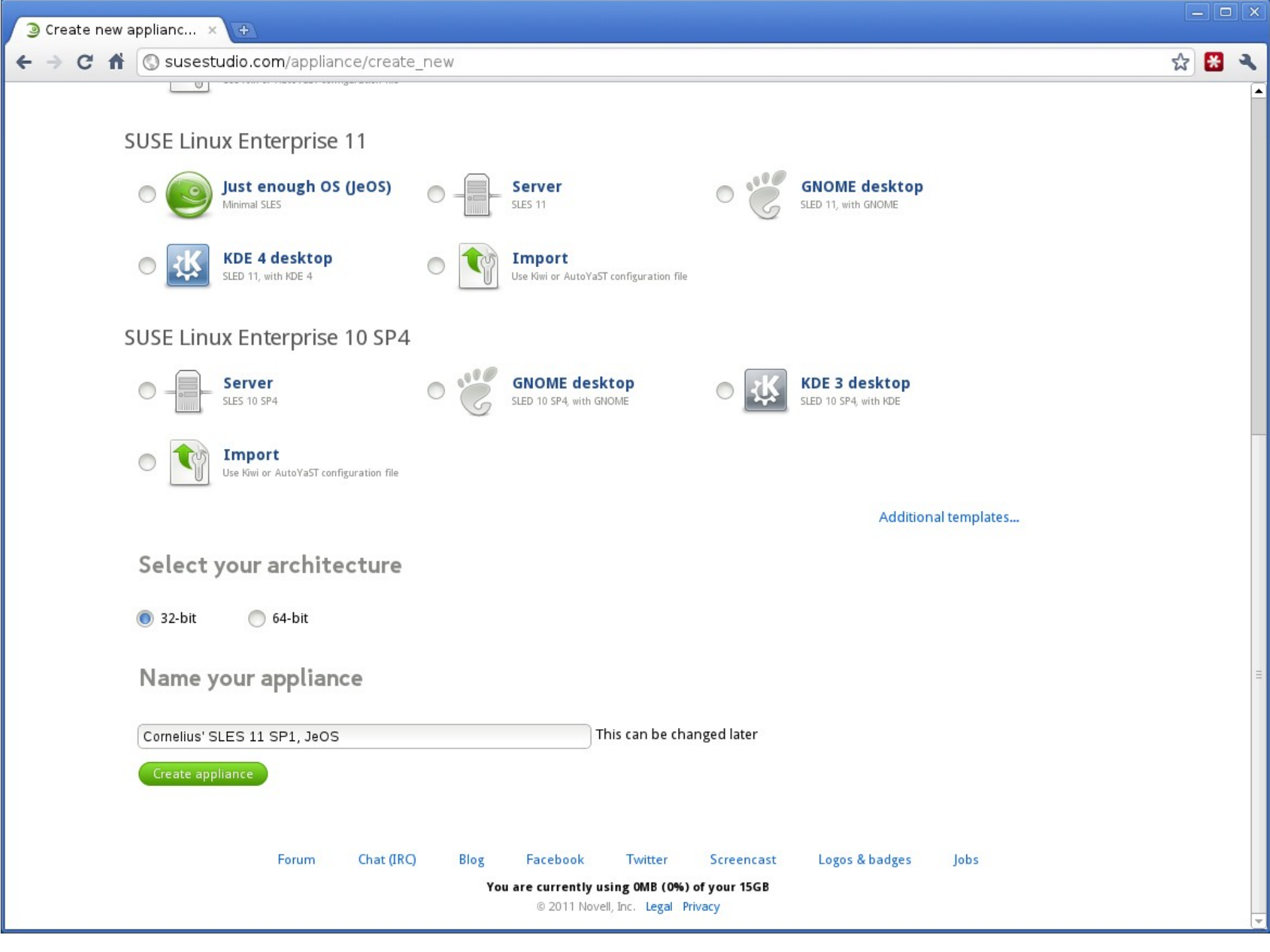
SUSE Studio blog

SUSE Linux Enterprise 10 SP4 support

Yesterday, Novell announced the release of the SUSE Linux Enterprise 10 SP4, ...

The forecast is cloudy: show it on your desktop


Create new applianc...
susestudio.com/appliance/create_new
suse studio
Report bug
Gallery
Home
Cornelius Schumacher
Help
Sign out
Choose a base template
openSUSE 11.4
Just enough OS (JeOS)
Tiny, minimalistic appliances
Server
A text-only base
Minimal X
Graphical system + IceWM
GNOME desktop
Base system + GNOME
KDE 4 desktop
Base system + KDE 4
Import
Use Kiwi or AutoYaST configuration file
SUSE Linux Enterprise 11 SP1
Just enough OS (JeOS)
Minimal SLES 11 SP1
Server
SLES 11 SP1
Minimal X
Graphical system + IceWM
GNOME desktop
SLED 11 SP1, with GNOME
KDE 4 desktop
SLED 11 SP1, with KDE 4
SLES for VMware
SLES 11 SP1, VMware branded
Import
Use Kiwi or AutoYaST configuration file
SUSE Linux Enterprise 11
Just enough OS (JeOS)
Minimal SLES
Server
SLES 11
GNOME desktop
SLED 11, with GNOME
KDE 4 desktop
SLED 11, with KDE 4
Import
Use Kiwi or AutoYaST configuration file


Create new applianc...
susestudio.com/appliance/create_new
SUSE Linux Enterprise 11
Just enough OS (JeOS)
Minimal SLES
Server
SLES 11
GNOME desktop
SLED 11, with GNOME
KDE 4 desktop
SLED 11, with KDE 4
Import
Use Kiwi or AutoYaST configuration file
SUSE Linux Enterprise 10 SP4
Server
SLES 10 SP4
GNOME desktop
SLED 10 SP4, with GNOME
KDE 3 desktop
SLED 10 SP4, with KDE
Import
Use Kiwi or AutoYaST configuration file
Additional templates...
Select your architecture
32-bit
64-bit
Name your appliance
Cornelius' SLES 11 SP1, JeOS
This can be changed later
Create appliance
Forum
Chat (IRC)
Blog
Facebook
Twitter
Screencast
Logos & badges
Jobs
You are currently using 0MB (0%) of your 15GB
© 2011 Novell, Inc. Legal Privacy

Web Server – SUSE S...

susestudio.com/appliance/edit/382487#/start

suse studio

Report bug | Gallery | Home | Cornelius Schumacher | Help | Sign out

Start | Software | Configuration | Files | Build | Share

Send feedback

Web Server

Disk Image

Based on: SLES 11 SP1
Platform: 32-bit x86

Used space: **390 MB**
Download size: **140 MB**

0 patterns selected
49 packages selected
172 total packages

Welcome to SUSE Studio!

Configure your appliance using the tabs above.

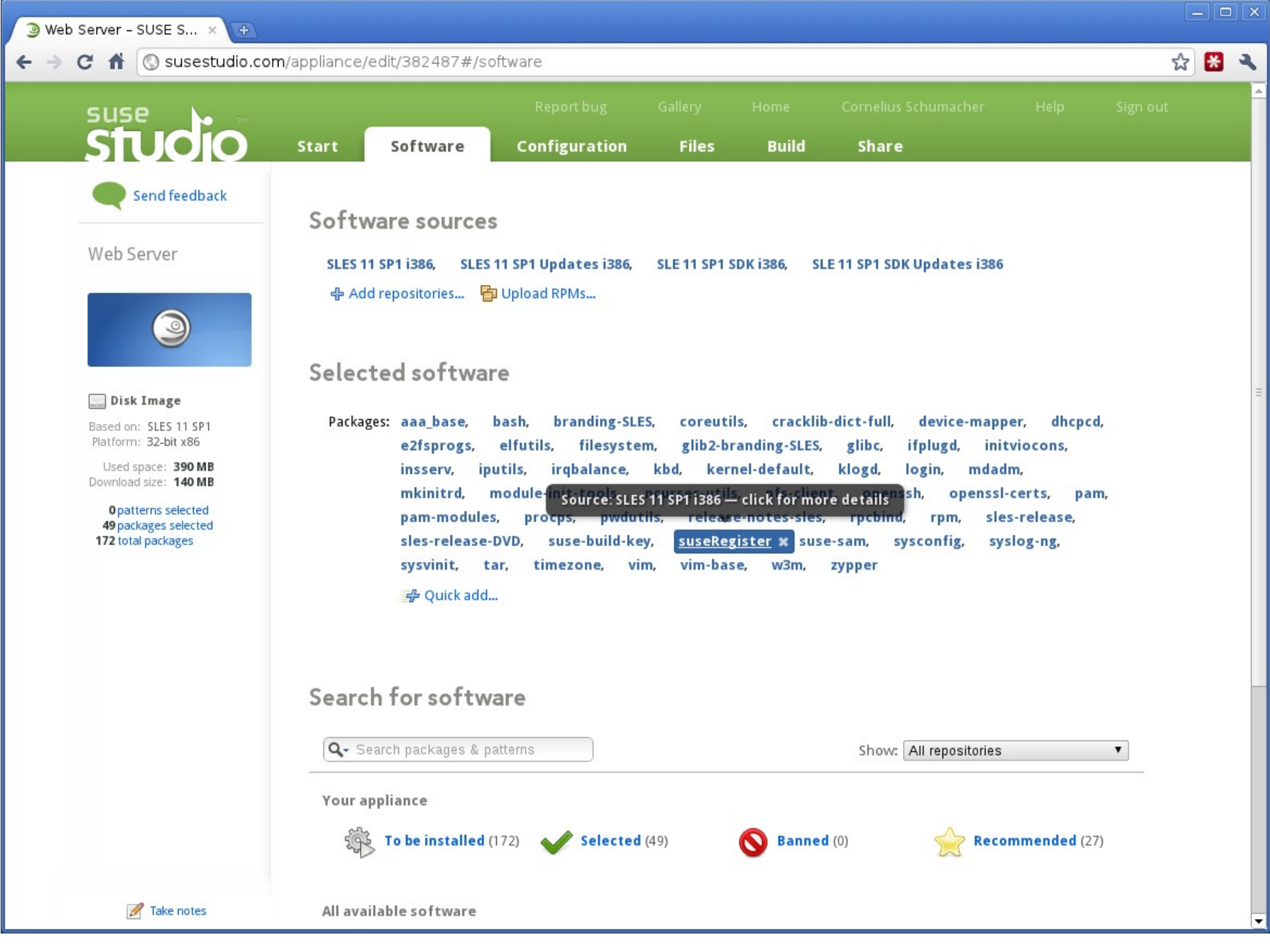
When you're finally done making everything the way you want, visit the Build tab to generate your appliance.

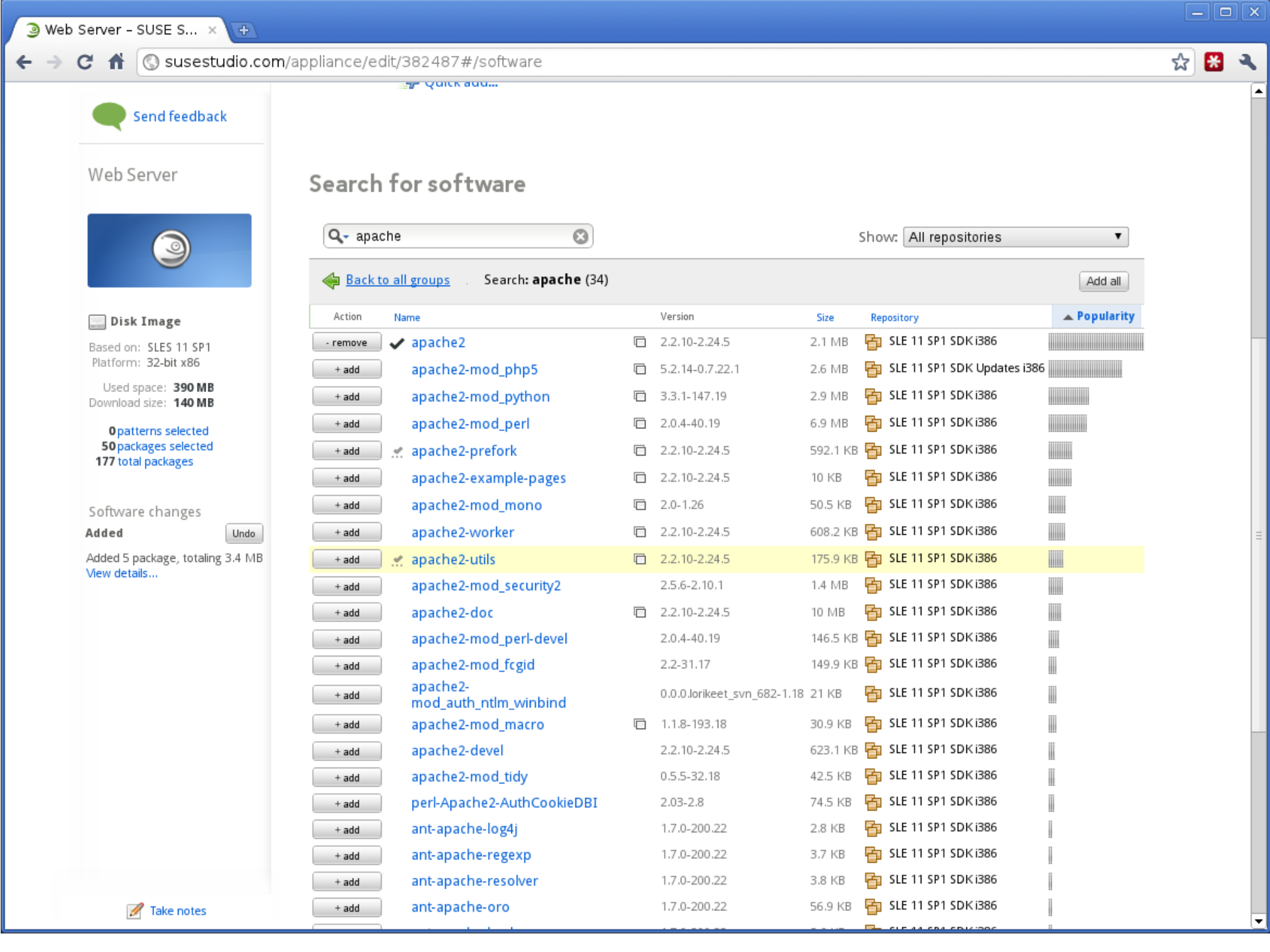
But first, give your appliance a name! It will be used in the boot screen, and in several other places.

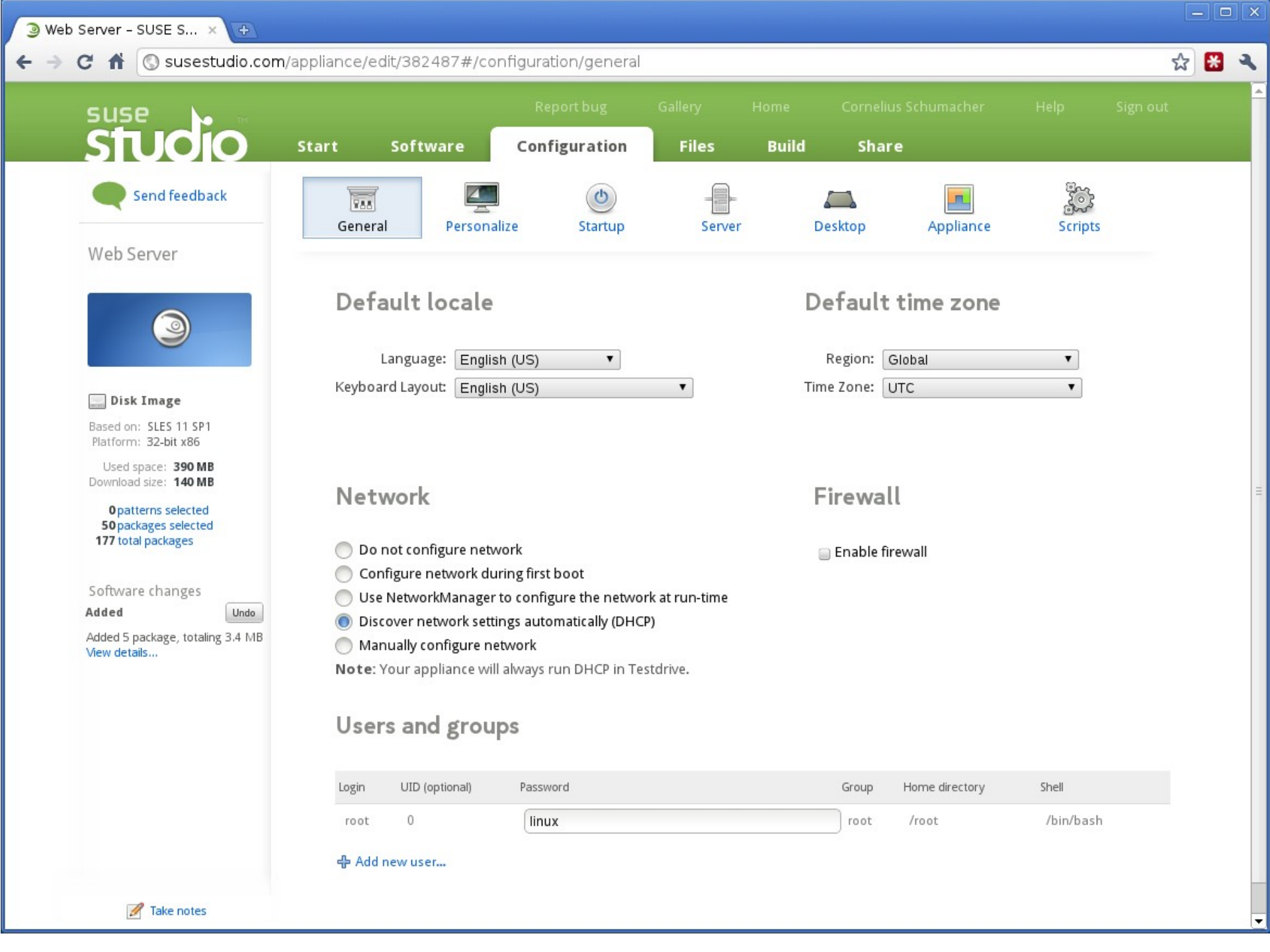
Appliance name: Web Server

Switch to the **Software tab** to continue »

Take notes


Web Server – SUSE S...
susestudio.com/appliance/edit/382487#/software
suse studio
Report bug
Gallery
Home
Cornelius Schumacher
Help
Sign out
Start
Software
Configuration
Files
Build
Share
Send feedback
Web Server
Disk Image
Based on: SLES 11 SP1
Platform: 32-bit x86
Used space: 390 MB
Download size: 140 MB
0 patterns selected
49 packages selected
172 total packages
Take notes
Software sources
SLES 11 SP1 i386, SLES 11 SP1 Updates i386, SLE 11 SP1 SDK i386, SLE 11 SP1 SDK Updates i386
Add repositories...
Upload RPMs...
Selected software
Packages: aaa_base, bash, branding-SLES, coreutils, cracklib-dict-full, device-mapper, dhcpcd, e2fsprogs, elfutils, filesystem, glib2-branding-SLES, glibc, ifplugd, initviocons, insserv, iputils, irqbalance, kbd, kernel-default, klogd, login, mdadm, mkinitrd, module-init-tools, openssh, openssl-certs, pam, pam-modules, procps, pwdutils, rpcbind, rpm, sles-release, sles-release-DVD, suse-build-key, suseRegister, suse-sam, sysconfig, syslog-ng, sysvinit, tar, timezone, vim, vim-base, w3m, zypper
Source: SLES 11 SP1 i386 — click for more details
Quick add...
Search for software
Search packages & patterns
Show: All repositories
Your appliance
To be installed (172)
Selected (49)
Banned (0)
Recommended (27)
All available software


Web Server – SUSE S...
susestudio.com/appliance/edit/382487#/software
Send feedback
Web Server
Disk Image
Based on: SLES 11 SP1
Platform: 32-bit x86
Used space: 390 MB
Download size: 140 MB
0 patterns selected
50 packages selected
177 total packages
Software changes
Added
Undo
Added 5 package, totaling 3.4 MB
View details...
Take notes
Search for software
apache
Show: All repositories
Back to all groups
Search: apache (34)
Add all
Action
Name
Version
Size
Repository
Popularity
- remove apache2 2.2.10-2.24.5 2.1 MB SLE 11 SP1 SDK i386
+ add apache2-mod_php5 5.2.14-0.7.22.1 2.6 MB SLE 11 SP1 SDK Updates i386
+ add apache2-mod_python 3.3.1-147.19 2.9 MB SLE 11 SP1 SDK i386
+ add apache2-mod_perl 2.0.4-40.19 6.9 MB SLE 11 SP1 SDK i386
+ add apache2-prefork 2.2.10-2.24.5 592.1 KB SLE 11 SP1 SDK i386
+ add apache2-example-pages 2.2.10-2.24.5 10 KB SLE 11 SP1 SDK i386
+ add apache2-mod_mono 2.0-1.26 50.5 KB SLE 11 SP1 SDK i386
+ add apache2-worker 2.2.10-2.24.5 608.2 KB SLE 11 SP1 SDK i386
+ add apache2-utils 2.2.10-2.24.5 175.9 KB SLE 11 SP1 SDK i386
+ add apache2-mod_security2 2.5.6-2.10.1 1.4 MB SLE 11 SP1 SDK i386
+ add apache2-doc 2.2.10-2.24.5 10 MB SLE 11 SP1 SDK i386
+ add apache2-mod_perl-devel 2.0.4-40.19 146.5 KB SLE 11 SP1 SDK i386
+ add apache2-mod_fcgid 2.2-31.17 149.9 KB SLE 11 SP1 SDK i386
+ add apache2-mod_auth_ntlm_winbind 0.0.0.lorikeet_svn_682-1.18 21 KB SLE 11 SP1 SDK i386
+ add apache2-mod_macro 1.1.8-193.18 30.9 KB SLE 11 SP1 SDK i386
+ add apache2-devel 2.2.10-2.24.5 623.1 KB SLE 11 SP1 SDK i386
+ add apache2-mod_tidy 0.5.5-32.18 42.5 KB SLE 11 SP1 SDK i386
+ add perl-Apache2-AuthCookieDBI 2.03-2.8 74.5 KB SLE 11 SP1 SDK i386
+ add ant-apache-log4j 1.7.0-200.22 2.8 KB SLE 11 SP1 SDK i386
+ add ant-apache-regexp 1.7.0-200.22 3.7 KB SLE 11 SP1 SDK i386
+ add ant-apache-resolver 1.7.0-200.22 3.8 KB SLE 11 SP1 SDK i386
+ add ant-apache-oro 1.7.0-200.22 56.9 KB SLE 11 SP1 SDK i386


Web Server - SUSE S...
susestudio.com/appliance/edit/382487#/configuration/general
suse studio
Report bug
Gallery
Home
Cornelius Schumacher
Help
Sign out
Start
Software
Configuration
Files
Build
Share
Send feedback
General
Personalize
Startup
Server
Desktop
Appliance
Scripts
Web Server
Disk Image
Based on: SLES 11 SP1
Platform: 32-bit x86
Used space: 390 MB
Download size: 140 MB
0 patterns selected
50 packages selected
177 total packages
Software changes
Added
Undo
Added 5 package, totaling 3.4 MB
View details...
Default locale
Language: English (US)
Keyboard Layout: English (US)
Default time zone
Region: Global
Time Zone: UTC
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
Users and groups
Login
UID (optional)
Password
Group
Home directory
Shell
root
0
linux
root
/root
/bin/bash
Add new user...
Take notes

Web Server – SUSE S...

susestudio.com/appliance/edit/382487#/configuration/personalize

suse studio

Report bug | Gallery | Home | Cornelius Schumacher | Help | Sign out

Start | Software | Configuration | Files | Build | Share

Send feedback

Web Server

Disk Image

Based on: SLES 11 SP1
Platform: 32-bit x86

Used space: **390 MB**
Download size: **140 MB**

0 patterns selected
50 packages selected
177 total packages

Software changes

Added Undo

Added 5 package, totaling 3.4 MB
View details...

Take notes

General | Personalize | Startup | Server | Desktop | Appliance | Scripts

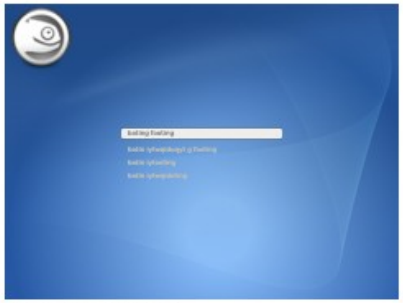
Appliance logo

Upload new logo...

Appliance background

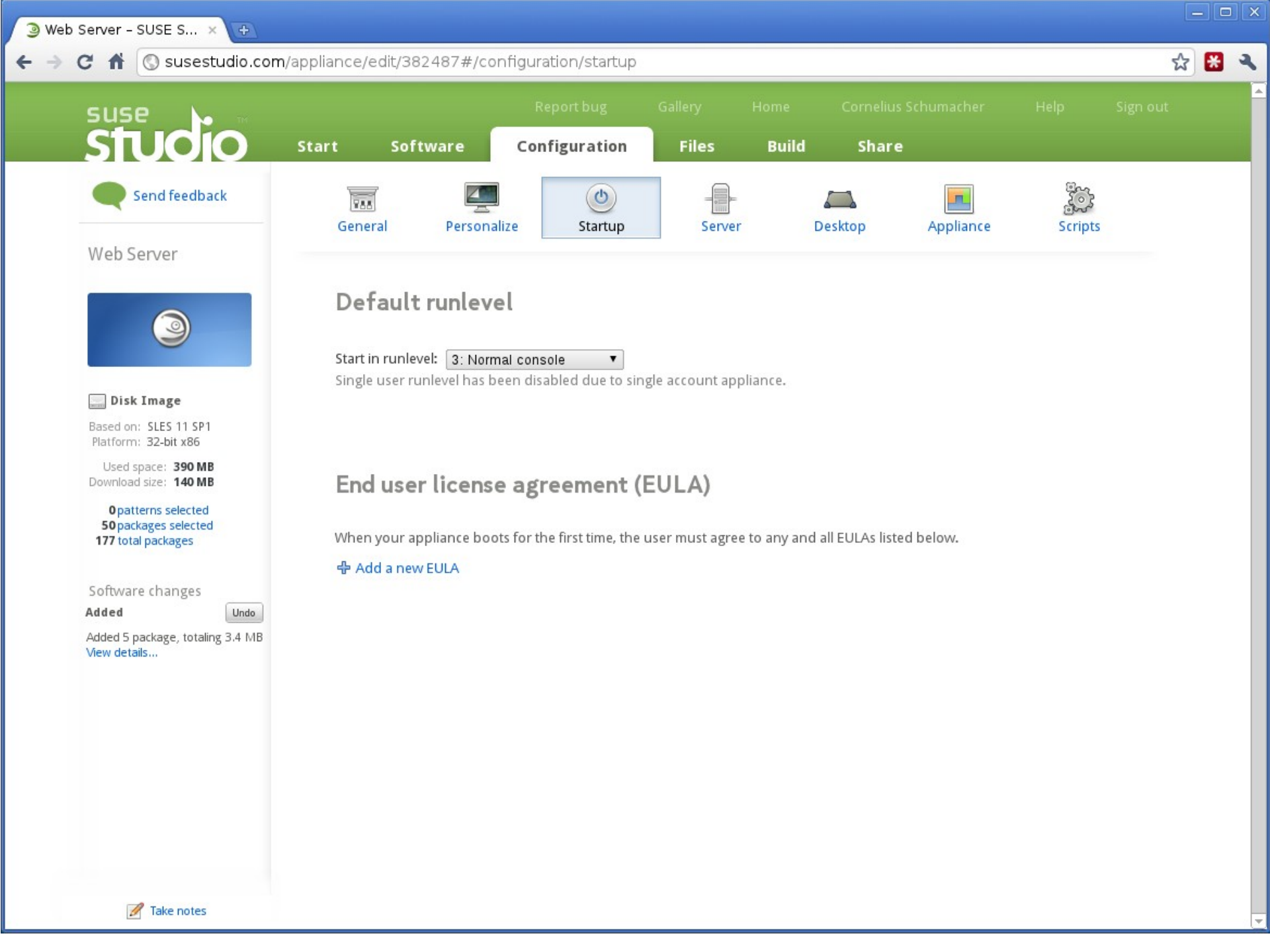
Upload new background...

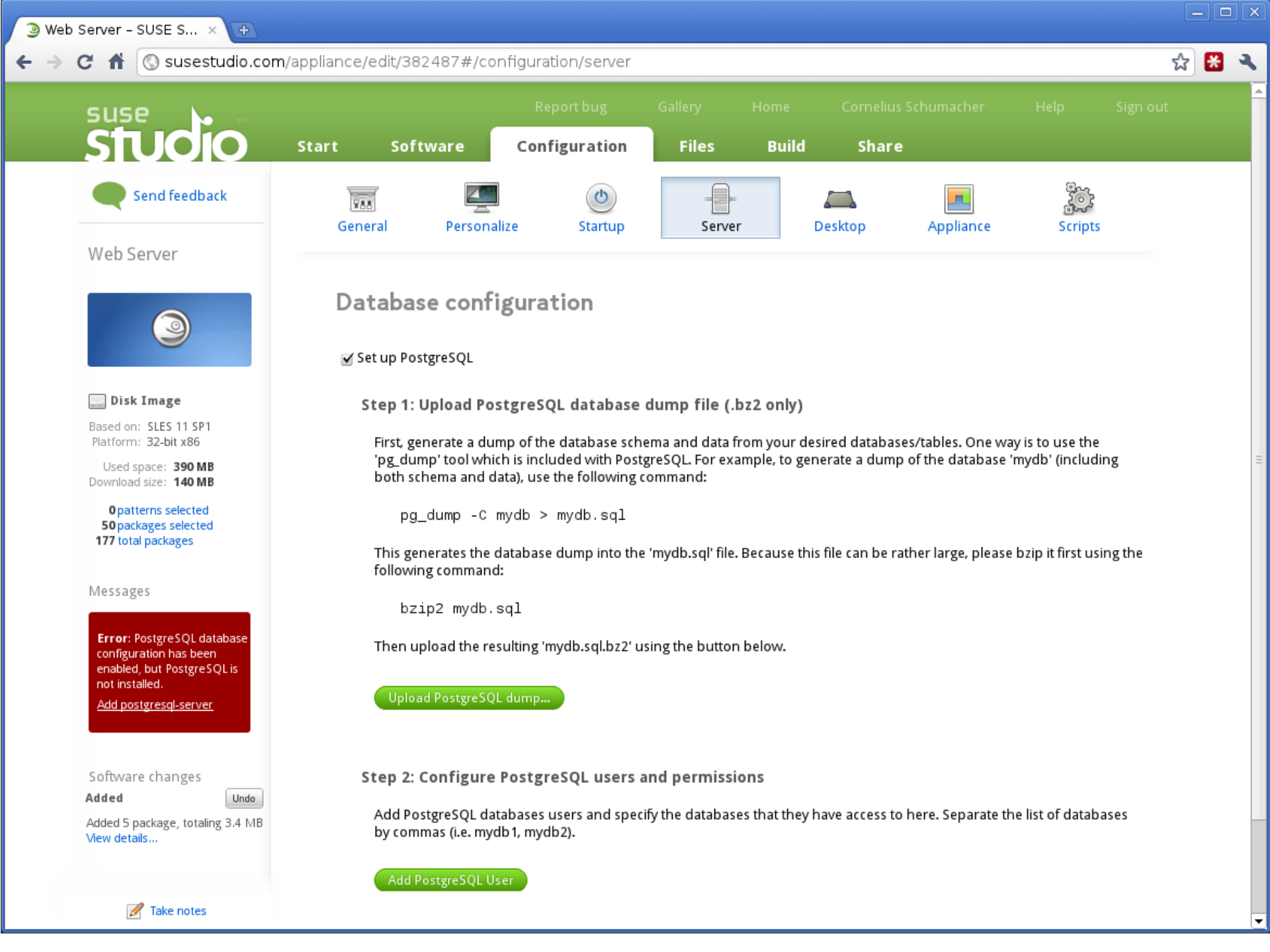
Preview

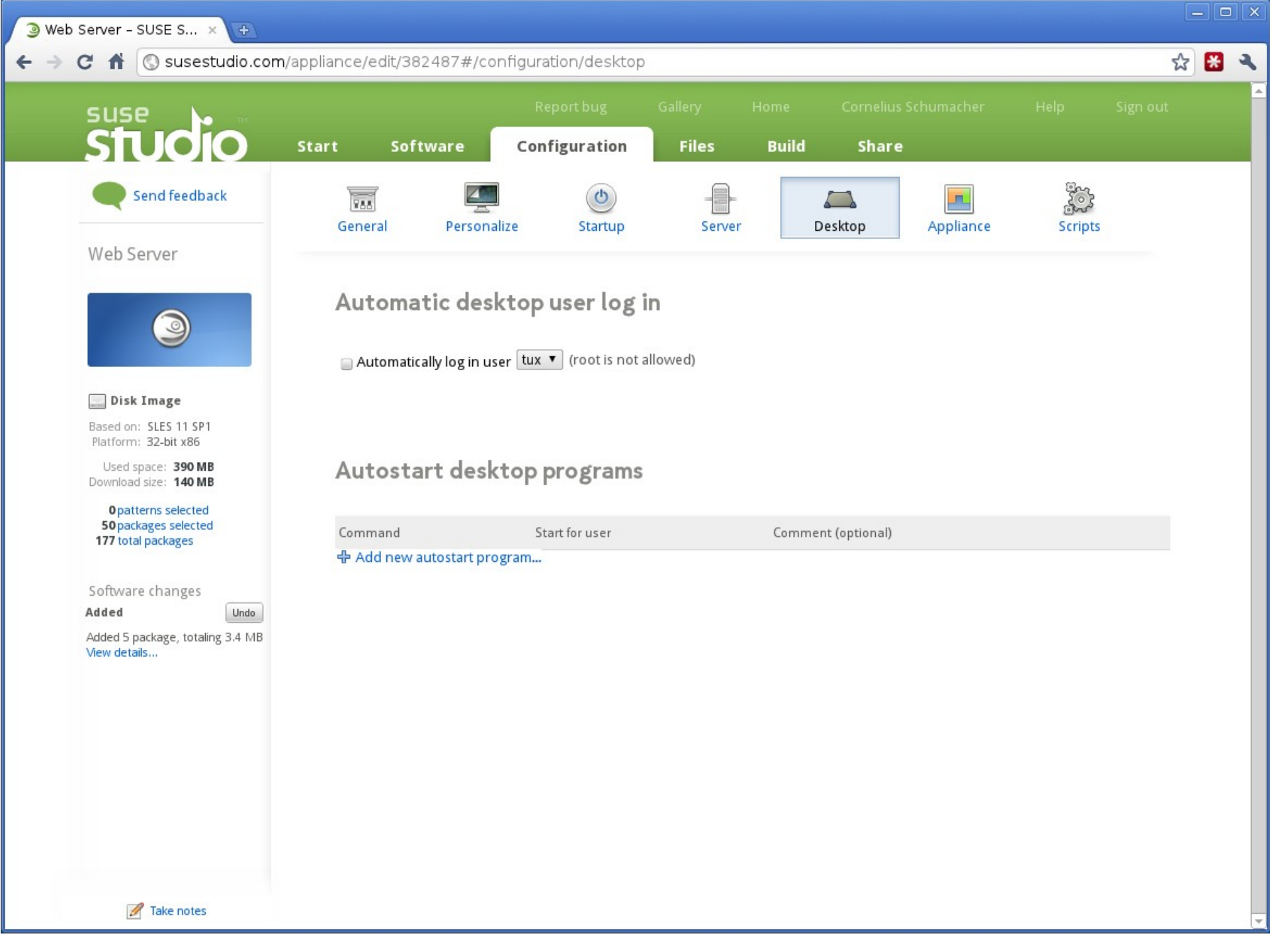


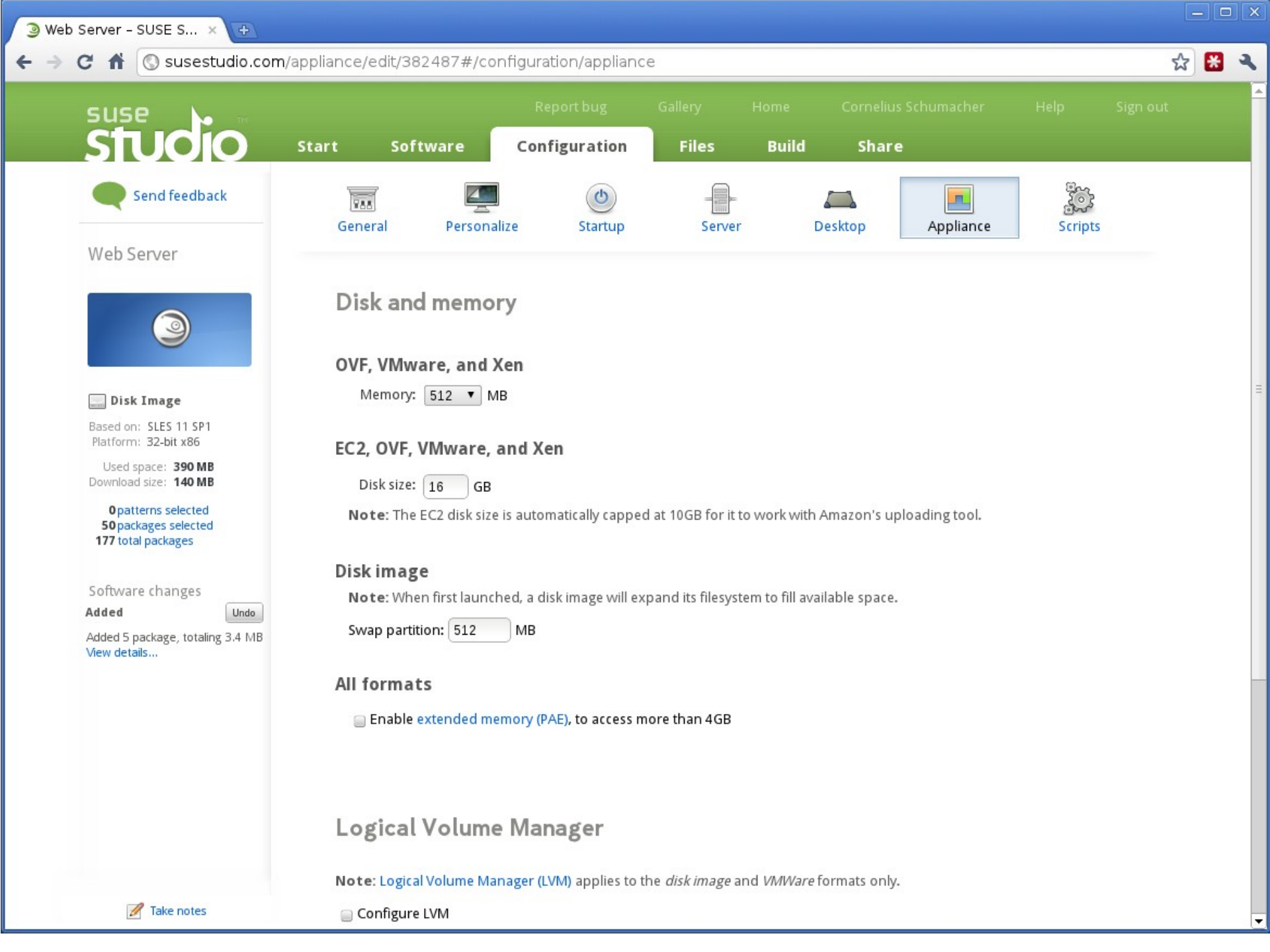
Boot selection (grub)

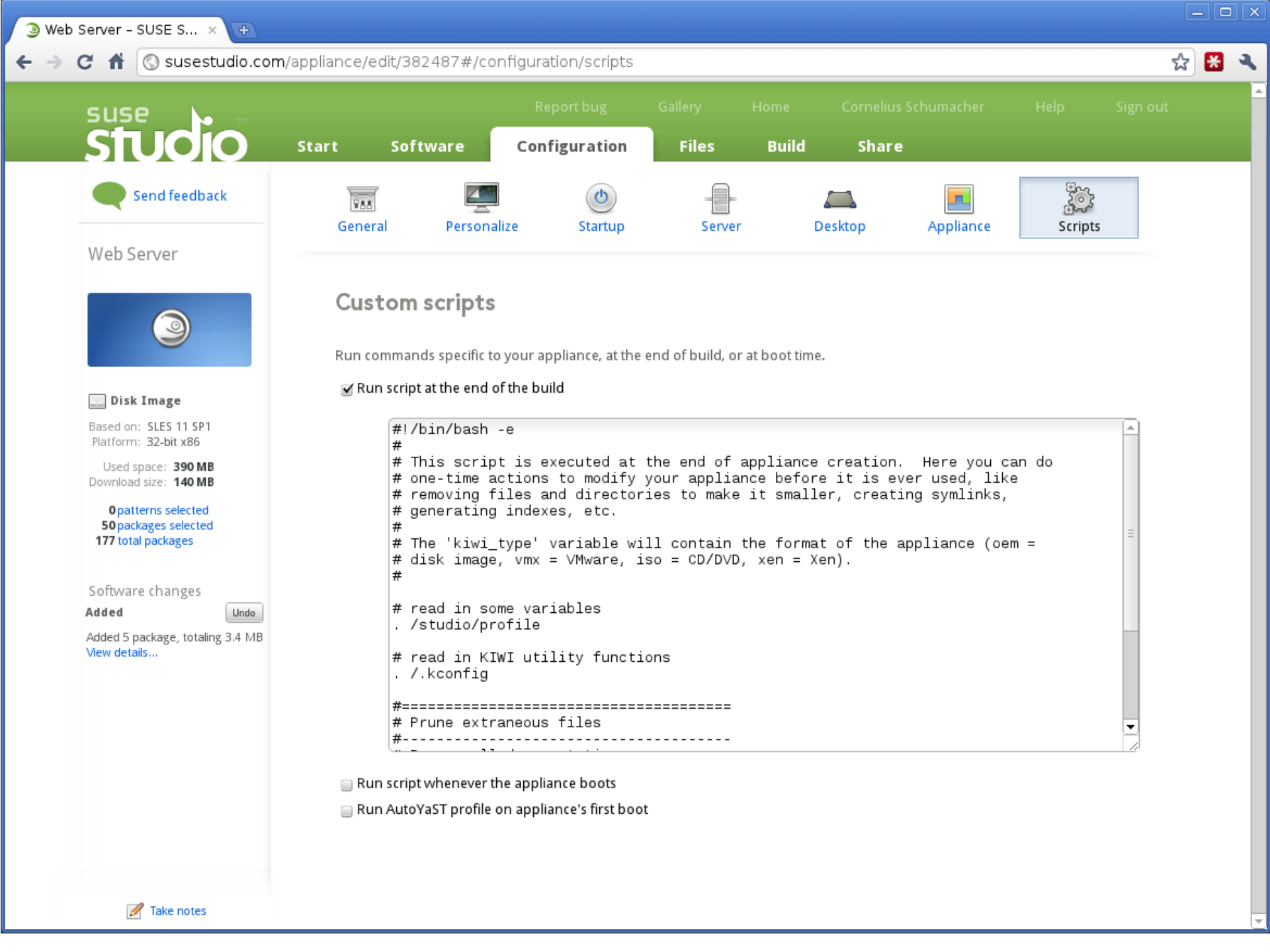
Boot

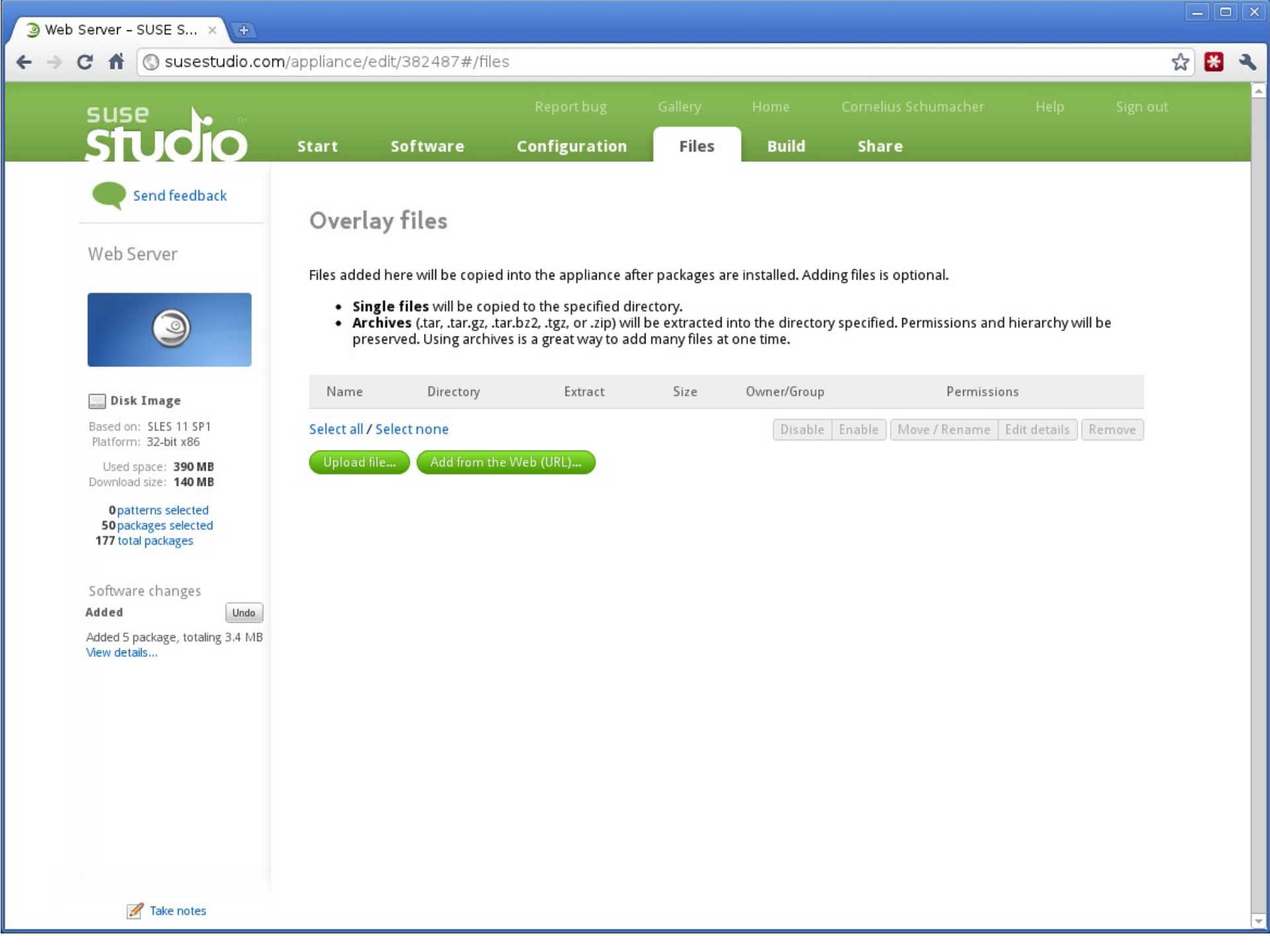

Web Server - SUSE S...
susestudio.com/appliance/edit/382487#/configuration/startup
suse studio
Report bug
Gallery
Home
Cornelius Schumacher
Help
Sign out
Start
Software
Configuration
Files
Build
Share
Send feedback
General
Personalize
Startup
Server
Desktop
Appliance
Scripts
Web Server
Disk Image
Based on: SLES 11 SP1
Platform: 32-bit x86
Used space: 390 MB
Download size: 140 MB
0 patterns selected
50 packages selected
177 total packages
Software changes
Added
Undo
Added 5 package, totaling 3.4 MB
View details...
Default runlevel
Start in runlevel: 3: Normal console
Single user runlevel has been disabled due to single account appliance.
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
Take notes

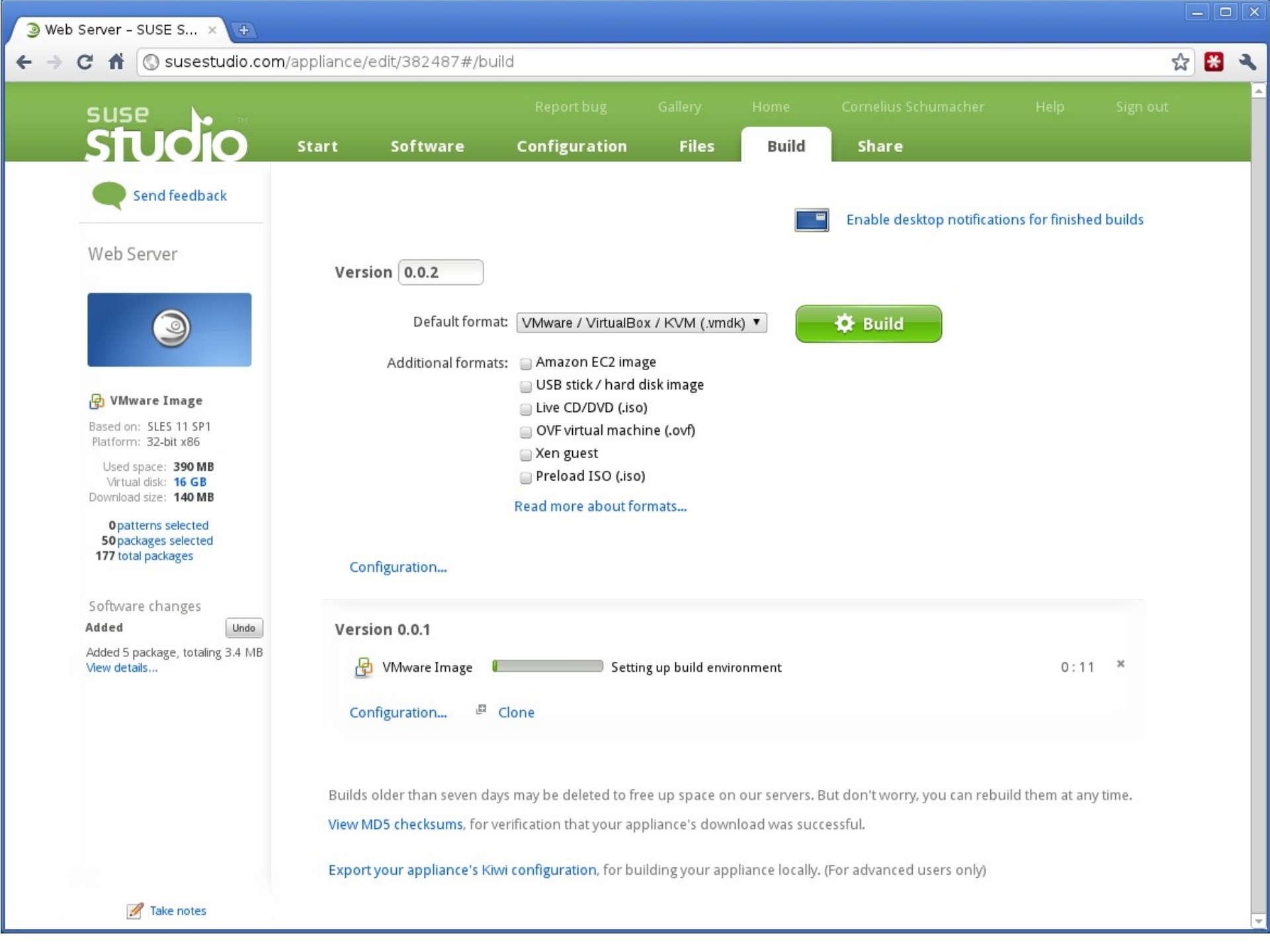

Web Server - SUSE S...
susestudio.com/appliance/edit/382487#/configuration/server
suse studio
Report bug
Gallery
Home
Cornelius Schumacher
Help
Sign out
Start
Software
Configuration
Files
Build
Share
Send feedback
General
Personalize
Startup
Server
Desktop
Appliance
Scripts
Web Server
Disk Image
Based on: SLES 11 SP1
Platform: 32-bit x86
Used space: 390 MB
Download size: 140 MB
0 patterns selected
50 packages selected
177 total packages
Messages
Error: PostgreSQL database configuration has been enabled, but PostgreSQL is not installed.
Add postgresql-server
Software changes
Added
Undo
Added 5 package, totaling 3.4 MB
View details...
Take notes
Database configuration
Set up PostgreSQL
Step 1: Upload PostgreSQL database dump file (.bz2 only)
First, generate a dump of the database schema and data from your desired databases/tables. One way is to use the 'pg_dump' tool which is included with PostgreSQL. For example, to generate a dump of the database 'mydb' (including both schema and data), use the following command:
pg_dump -C mydb > mydb.sql
This generates the database dump into the 'mydb.sql' file. Because this file can be rather large, please bzip it first using the following command:
bzip2 mydb.sql
Then upload the resulting 'mydb.sql.bz2' using the button below.
Upload PostgreSQL dump...
Step 2: Configure PostgreSQL users and permissions
Add PostgreSQL databases users and specify the databases that they have access to here. Separate the list of databases by commas (i.e. mydb1, mydb2).
Add PostgreSQL User

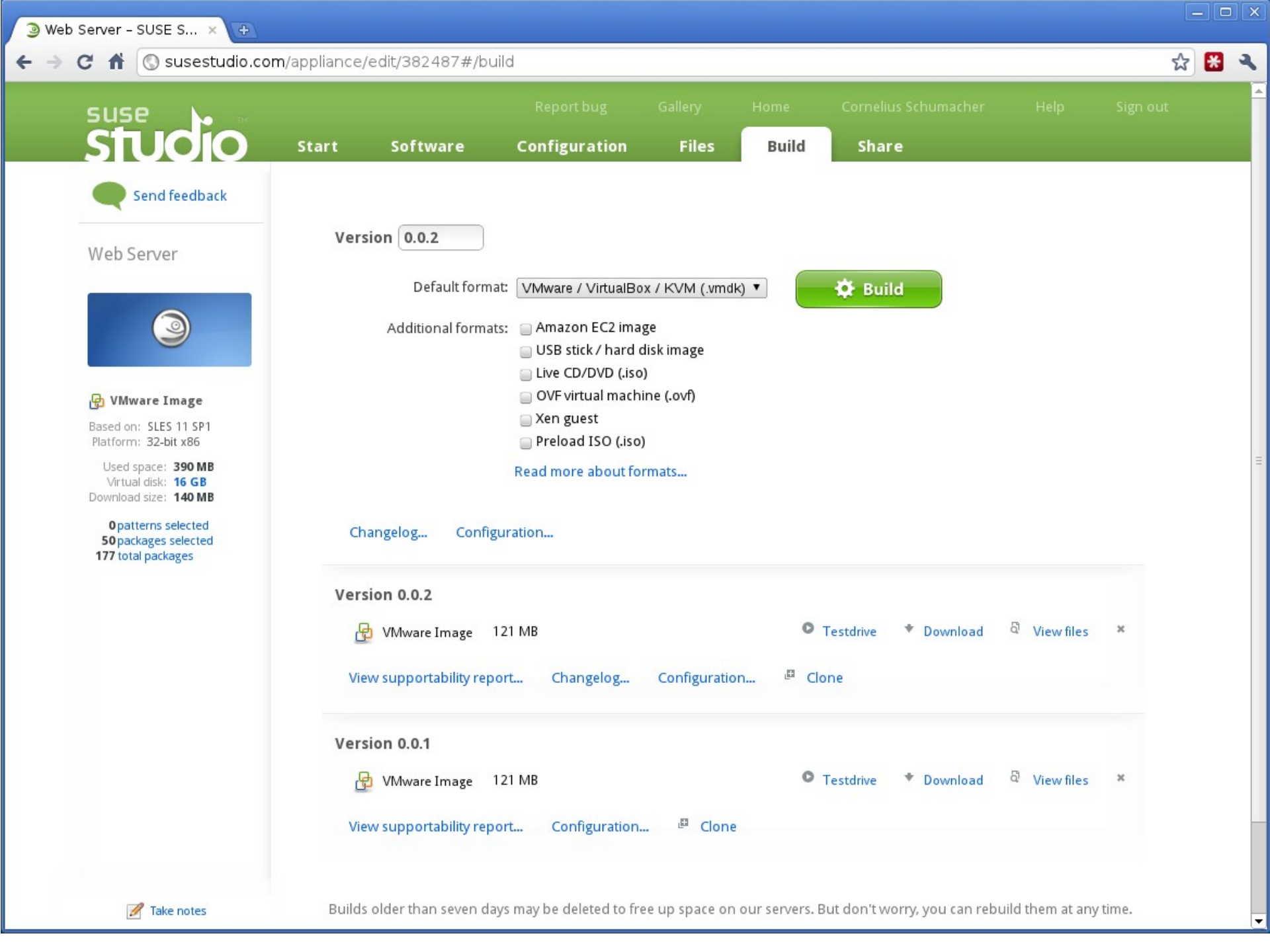

Web Server – SUSE S...
susestudio.com/appliance/edit/382487#/configuration/desktop
suse studio
Report bug
Gallery
Home
Cornelius Schumacher
Help
Sign out
Start
Software
Configuration
Files
Build
Share
Send feedback
Web Server
Disk Image
Based on: SLES 11 SP1
Platform: 32-bit x86
Used space: 390 MB
Download size: 140 MB
0 patterns selected
50 packages selected
177 total packages
Software changes
Added
Undo
Added 5 package, totaling 3.4 MB
View details...
Take notes
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)
Add new autostart program...


Web Server - SUSE S...
susestudio.com/appliance/edit/382487#/configuration/appliance
suse studio
Report bug
Gallery
Home
Cornelius Schumacher
Help
Sign out
Start
Software
Configuration
Files
Build
Share
Send feedback
General
Personalize
Startup
Server
Desktop
Appliance
Scripts
Web Server
Disk Image
Based on: SLES 11 SP1
Platform: 32-bit x86
Used space: 390 MB
Download size: 140 MB
0 patterns selected
50 packages selected
177 total packages
Software changes
Added
Undo
Added 5 package, totaling 3.4 MB
View details...
Disk and memory
OVF, VMware, and Xen
Memory: 512 MB
EC2, OVF, VMware, and Xen
Disk size: 16 GB
Note: The EC2 disk size is automatically capped at 10GB for it to work with Amazon's uploading tool.
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
Note: Logical Volume Manager (LVM) applies to the disk image and VMWare formats only.
Configure LVM
Take notes

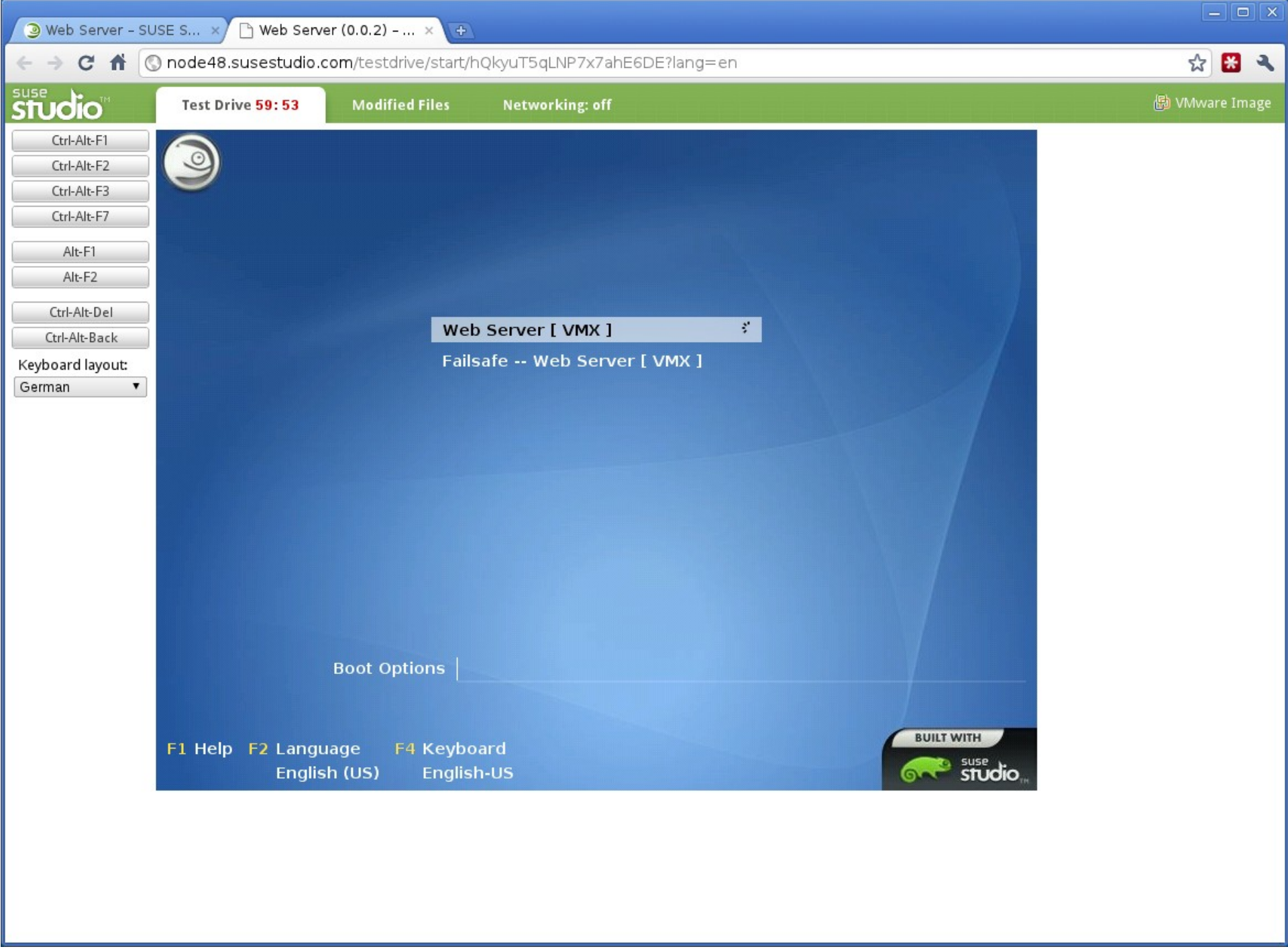

Web Server - SUSE S...
susestudio.com/appliance/edit/382487#/configuration/scripts
suse studio
Report bug
Gallery
Home
Cornelius Schumacher
Help
Sign out
Start
Software
Configuration
Files
Build
Share
Send feedback
General
Personalize
Startup
Server
Desktop
Appliance
Scripts
Web Server
Disk Image
Based on: SLES 11 SP1
Platform: 32-bit x86
Used space: 390 MB
Download size: 140 MB
0 patterns selected
50 packages selected
177 total packages
Software changes
Added
Undo
Added 5 package, totaling 3.4 MB
View details...
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
#!/bin/bash -e
#
This script is executed at the end of appliance creation. Here you can do
one-time actions to modify your appliance before it is ever used, like
removing files and directories to make it smaller, creating symlinks,
generating indexes, etc.
#
The 'kiwi_type' variable will contain the format of the appliance (oem =
disk image, vmx = VMware, iso = CD/DVD, xen = Xen).
#
read in some variables
. /studio/profile
read in KIWI utility functions
. /.kconfig
#===
Prune extraneous files
#---
Run script whenever the appliance boots
Run AutoYaST profile on appliance's first boot
Take notes

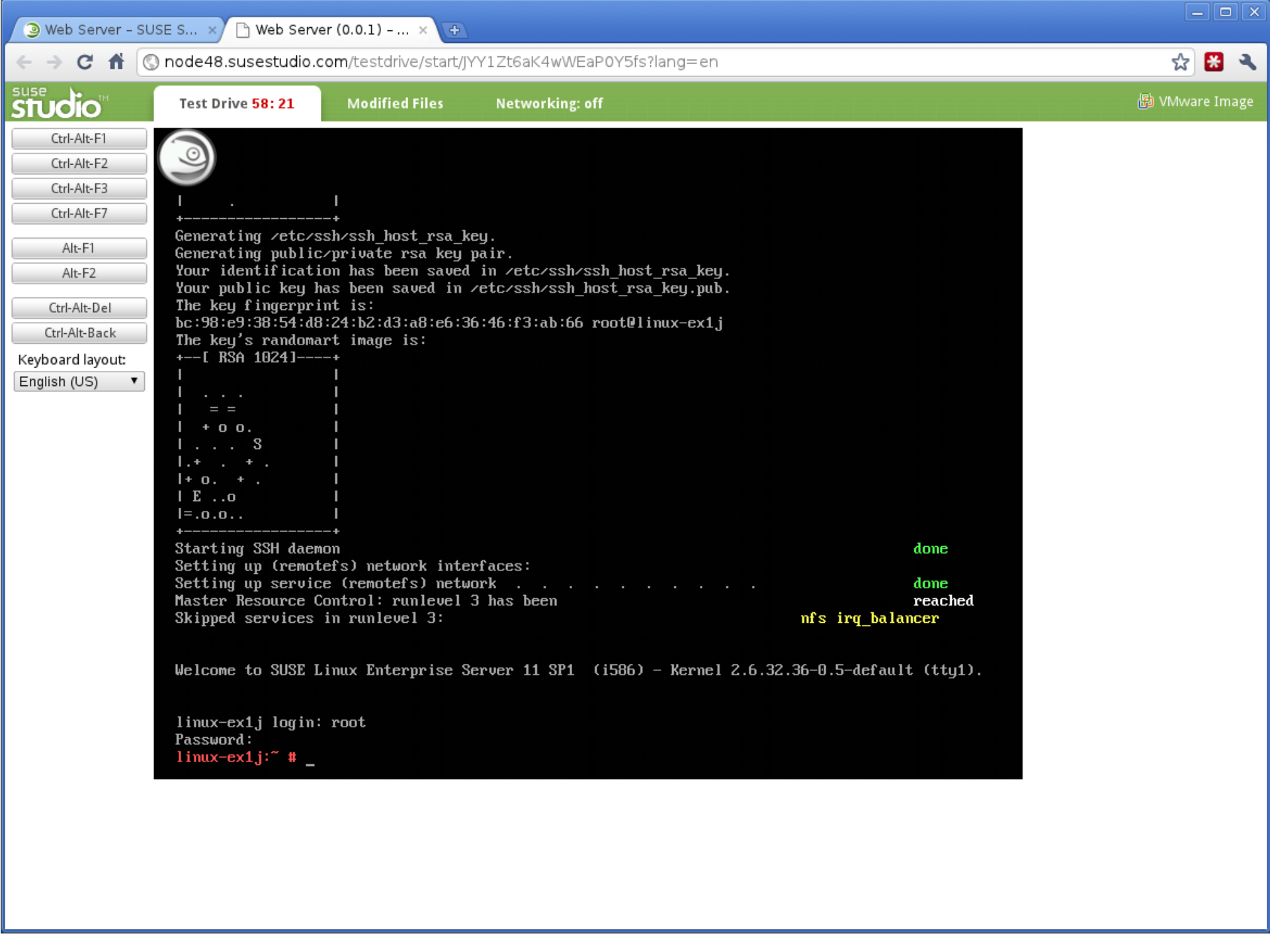

Web Server – SUSE S...
susestudio.com/appliance/edit/382487#/files
suse studio
Report bug
Gallery
Home
Cornelius Schumacher
Help
Sign out
Start
Software
Configuration
Files
Build
Share
Send feedback
Web Server
Disk Image
Based on: SLES 11 SP1
Platform: 32-bit x86
Used space: 390 MB
Download size: 140 MB
0 patterns selected
50 packages selected
177 total packages
Software changes
Added
Undo
Added 5 package, totaling 3.4 MB
View details...
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
Select all / Select none
Disable
Enable
Move / Rename
Edit details
Remove
Upload file...
Add from the Web (URL)...


Web Server – SUSE S...
susestudio.com/appliance/edit/382487#/build
suse studio
Report bug
Gallery
Home
Cornelius Schumacher
Help
Sign out
Start
Software
Configuration
Files
Build
Share
Send feedback
Web Server
VMware Image
Based on: SLES 11 SP1
Platform: 32-bit x86
Used space: 390 MB
Virtual disk: 16 GB
Download size: 140 MB
0 patterns selected
50 packages selected
177 total packages
Software changes
Added
Undo
Added 5 package, totaling 3.4 MB
View details...
Take notes
Enable desktop notifications for finished builds
Version 0.0.2
Default format: VMware / VirtualBox / KVM (.vmdk)
Build
Additional formats:
Amazon EC2 image
USB stick / hard disk image
Live CD/DVD (.iso)
OVF virtual machine (.ovf)
Xen guest
Preload ISO (.iso)
Read more about formats...
Configuration...
Version 0.0.1
VMware Image
Setting up build environment
0 : 11
Configuration...
Clone
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 your appliance's Kiwi configuration, for building your appliance locally. (For advanced users only)


Web Server – SUSE S...
susestudio.com/appliance/edit/382487#/build
suse studio
Report bug
Gallery
Home
Cornelius Schumacher
Help
Sign out
Start
Software
Configuration
Files
Build
Share
Send feedback
Web Server
VMware Image
Based on: SLES 11 SP1
Platform: 32-bit x86
Used space: 390 MB
Virtual disk: 16 GB
Download size: 140 MB
0 patterns selected
50 packages selected
177 total packages
Version 0.0.2
Default format: VMware / VirtualBox / KVM (.vmdk)
Build
Additional formats:
Amazon EC2 image
USB stick / hard disk image
Live CD/DVD (.iso)
OVF virtual machine (.ovf)
Xen guest
Preload ISO (.iso)
Read more about formats...
Changelog...
Configuration...
Version 0.0.2
VMware Image 121 MB
Testdrive
Download
View files
View supportability report...
Changelog...
Configuration...
Clone
Version 0.0.1
VMware Image 121 MB
Testdrive
Download
View files
View supportability report...
Configuration...
Clone
Take notes
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.

Screenshots - Testdrive


Web Server - SUSE S...
Web Server (0.0.2) - ...
node48.susestudio.com/testdrive/start/hQkyuT5qLNP7x7ahE6DE?lang=en
suse studio
Test Drive 59: 53
Modified Files
Networking: off
VMware Image
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
Web Server [VMX]
Failsafe -- Web Server [VMX]
Boot Options
F1 Help F2 Language English (US) F4 Keyboard English-US
BUILT WITH
suse studio


Web Server – SUSE S...
Web Server (0.0.1) – ...
node48.susestudio.com/testdrive/start/JYY1Zt6aK4wWEaP0Y5fs?lang=en
suse studio
Test Drive 58: 21
Modified Files
Networking: off
VMware Image
Ctrl-Alt-F1
Ctrl-Alt-F2
Ctrl-Alt-F3
Ctrl-Alt-F7
Alt-F1
Alt-F2
Ctrl-Alt-Del
Ctrl-Alt-Back
Keyboard layout:
English (US)
Generating /etc/ssh/ssh_host_rsa_key.
Generating public/private rsa key pair.
Your identification has been saved in /etc/ssh/ssh_host_rsa_key.
Your public key has been saved in /etc/ssh/ssh_host_rsa_key.pub.
The key fingerprint is:
bc:98:e9:38:54:d8:24:b2:d3:a8:e6:36:46:f3:ab:66 root@linux-ex1j
The key's randomart image is:
+--[RSA 1024]----+
Starting SSH daemon done
Setting up (remotefs) network interfaces:
Setting up service (remotefs) network . . . . . done
Master Resource Control: runlevel 3 has been reached
Skipped services in runlevel 3: nfs irq_balancer
Welcome to SUSE Linux Enterprise Server 11 SP1 (i586) - Kernel 2.6.32.36-0.5-default (tty1).
linux-ex1j login: root
Password:
linux-ex1j:~ # _

Exclude paths containing: /var/, /tmp/, /image/, cache (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: 38, ordered by: time

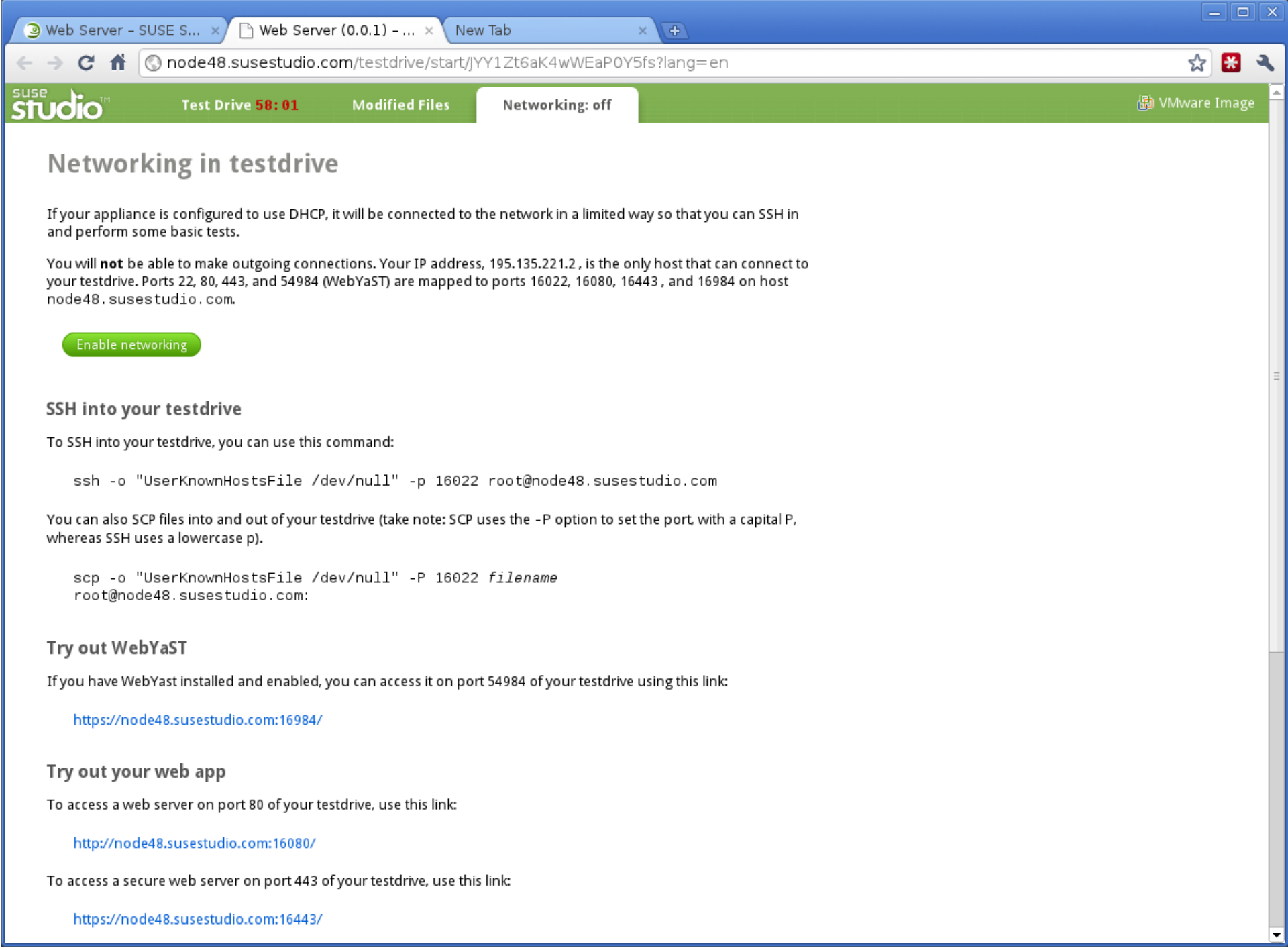
	Type	Path	Last changed	Size	Actions
☐	add	/srv/www/htdocs/.index.html.swp	33 seconds ago	12 KB	Download
☑	add	/srv/www/htdocs/index.html	43 seconds ago	41 Bytes	View, Download
☐	add	/root/.viminfo	43 seconds ago	693 Bytes	View, Download
☐	modify	/etc/apache2/sysconfig.d/global.conf	3 minutes ago	255 Bytes	View, Diff, Download
☐	modify	/etc/apache2/sysconfig.d/loadmodule.conf	3 minutes ago	1.9 KB	View, Diff, Download
☐	add	/etc/apache2/sysconfig.d/include.conf	3 minutes ago	150 Bytes	View, Download
☐	add	/etc/ssh/ssh_host_dsa_key.pub	4 minutes ago	605 Bytes	Download
☐	add	/etc/ssh/ssh_host_rsa_key.pub	4 minutes ago	225 Bytes	View, Download
☐	add	/etc/ssh/ssh_host_dsa_key	4 minutes ago	668 Bytes	View, Download
☐	add	/etc/ssh/ssh_host_rsa_key	4 minutes ago	887 Bytes	View, Download
☐	add	/etc/defkeymap.name	4 minutes ago	45 Bytes	View, Download
☐	add	/etc/ssh/ssh_host_key.pub	4 minutes ago	334 Bytes	View, Download
☐	add	/etc/defkeymap.map	4 minutes ago	28.4 KB	View, Download
☐	add	/etc/ssh/ssh_host_key	4 minutes ago	530 Bytes	Download
☐	add	/etc/resolv.conf	4 minutes ago	815 Bytes	View, Download
☐	modify	/etc/sysconfig/clock	4 minutes ago	979 Bytes	View, Diff, Download
☐	modify	/etc/sysconfig/network/ifcfg-eth0	4 minutes ago	27 KB	View, Diff, Download
☐	add	/etc/X11/xorg.conf	4 minutes ago	3.0 KB	View, Download

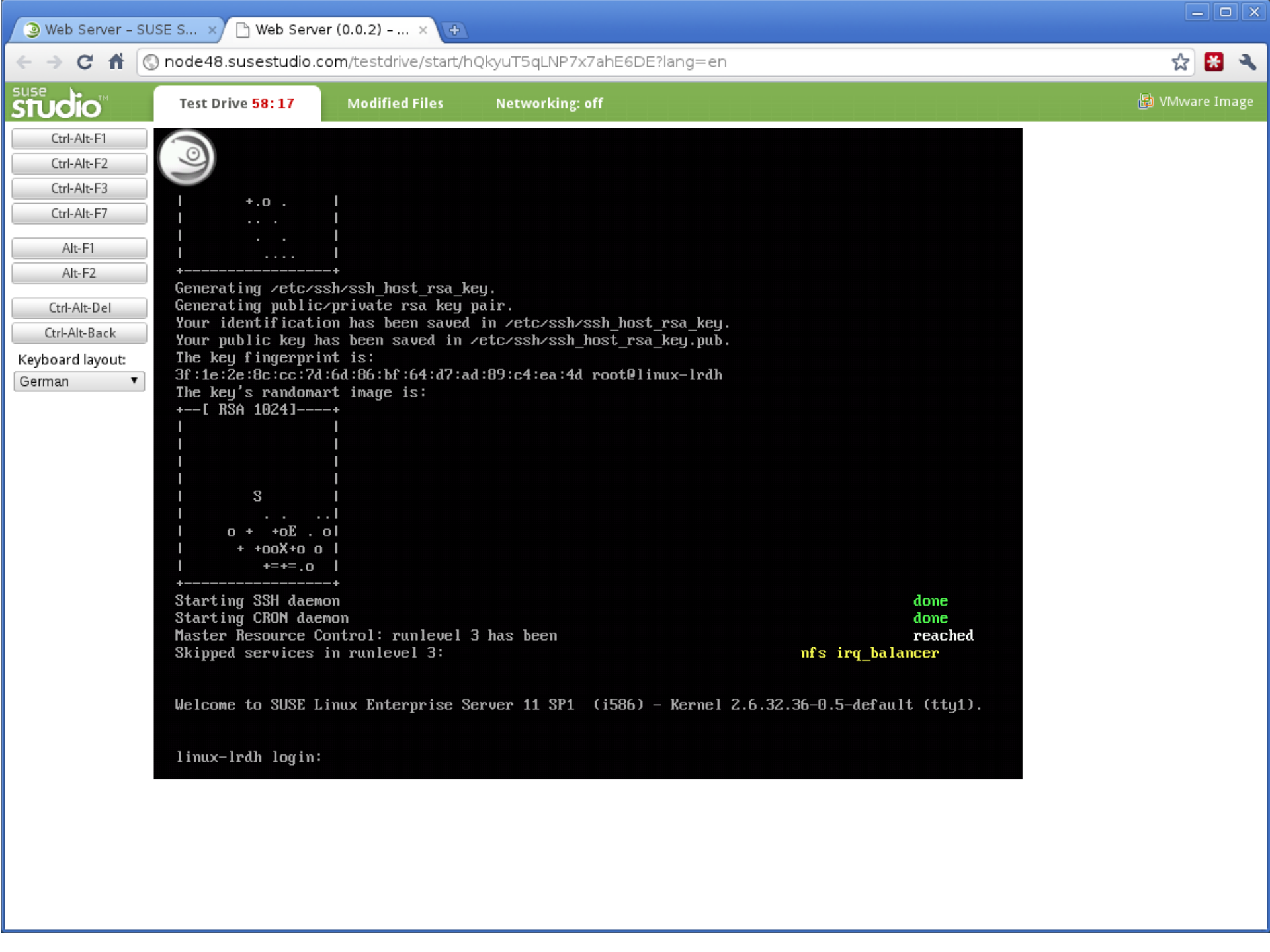
☐	add	/etc/defkeymap.map	4 minutes ago	28.4 KB	View, Download
☐	add	/etc/ssh/ssh_host_key	4 minutes ago	530 Bytes	Download
☐	add	/etc/resolv.conf	4 minutes ago	815 Bytes	View, Download
☐	modify	/etc/sysconfig/clock	4 minutes ago	979 Bytes	View, Diff, Download
☐	modify	/etc/sysconfig/network/ifcfg-eth0	4 minutes ago	27 KB	View, Diff, Download
☐	add	/etc/X11/xorg.conf	4 minutes ago	3.9 KB	View, Download
☐	modify	/etc/init.d/kbd	4 minutes ago	11.9 KB	View, Diff, Download
☐	add	/etc/yp.conf	4 minutes ago	779 Bytes	View, Download
☐	modify	/etc/mtab	4 minutes ago	236 Bytes	View, Diff, Download
☐	modify	/boot/grub/stage2	5 minutes ago	99.6 KB	Download
☐	add	/boot/initrd-2.6.32.36-0.5-default	5 minutes ago	3.2 MB	Download
☐	add	/etc/ImagePackages	5 minutes ago	13 KB	View, Download
☐	add	/etc/udev/rules.d/70-persistent-cd.rules	5 minutes ago	388 Bytes	View, Download
☐	add	/etc/grub.conf	5 minutes ago	57 Bytes	View, Download
☐	modify	/etc/sysconfig/kernel	5 minutes ago	2.5 KB	View, Diff, Download
☐	add	/boot/grub/device.map	5 minutes ago	15 Bytes	View, Download
☐	modify	/etc/sysconfig/bootloader	5 minutes ago	349 Bytes	View, Diff, Download
☐	modify	/etc/fstab	5 minutes ago	338 Bytes	View, Diff, Download
☐	modify	/boot/grub/menu.lst	5 minutes ago	653 Bytes	View, Diff, Download
	delete	/boot/initrd.vmx			
	delete	/boot/grub/mbrid			
	delete	/boot/linux.vmx			
☐	modify	/boot/message	11 minutes ago	395 KB	Download
	delete	/.profile			
	delete	/.kconfig			
	delete	/etc/init.d/suse_studio_firstboot			

Select all / Select none on this page
You may also use shift-click to select multiple items.

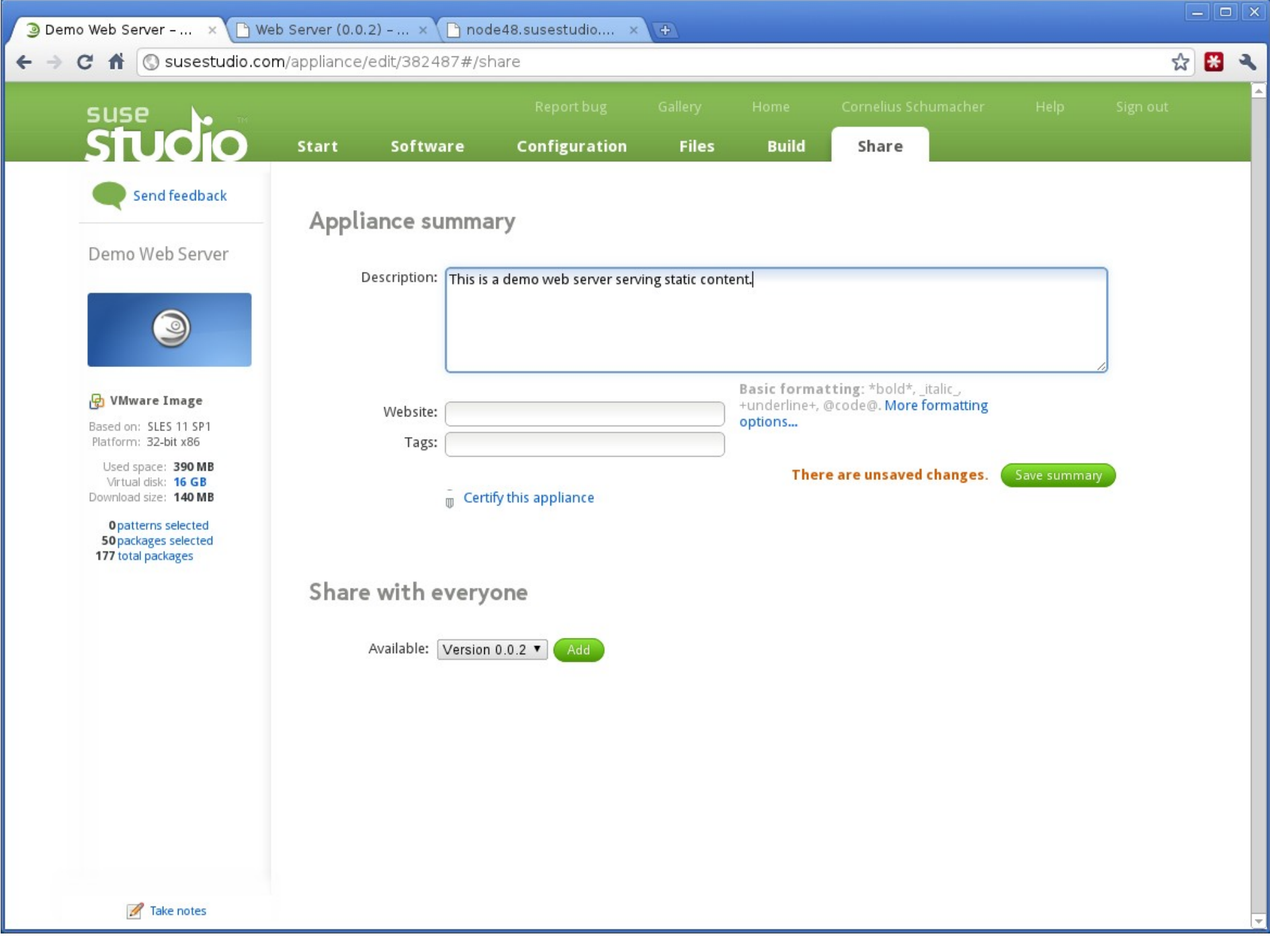
☐ Bundle selected files as archive with name .tar.bz2

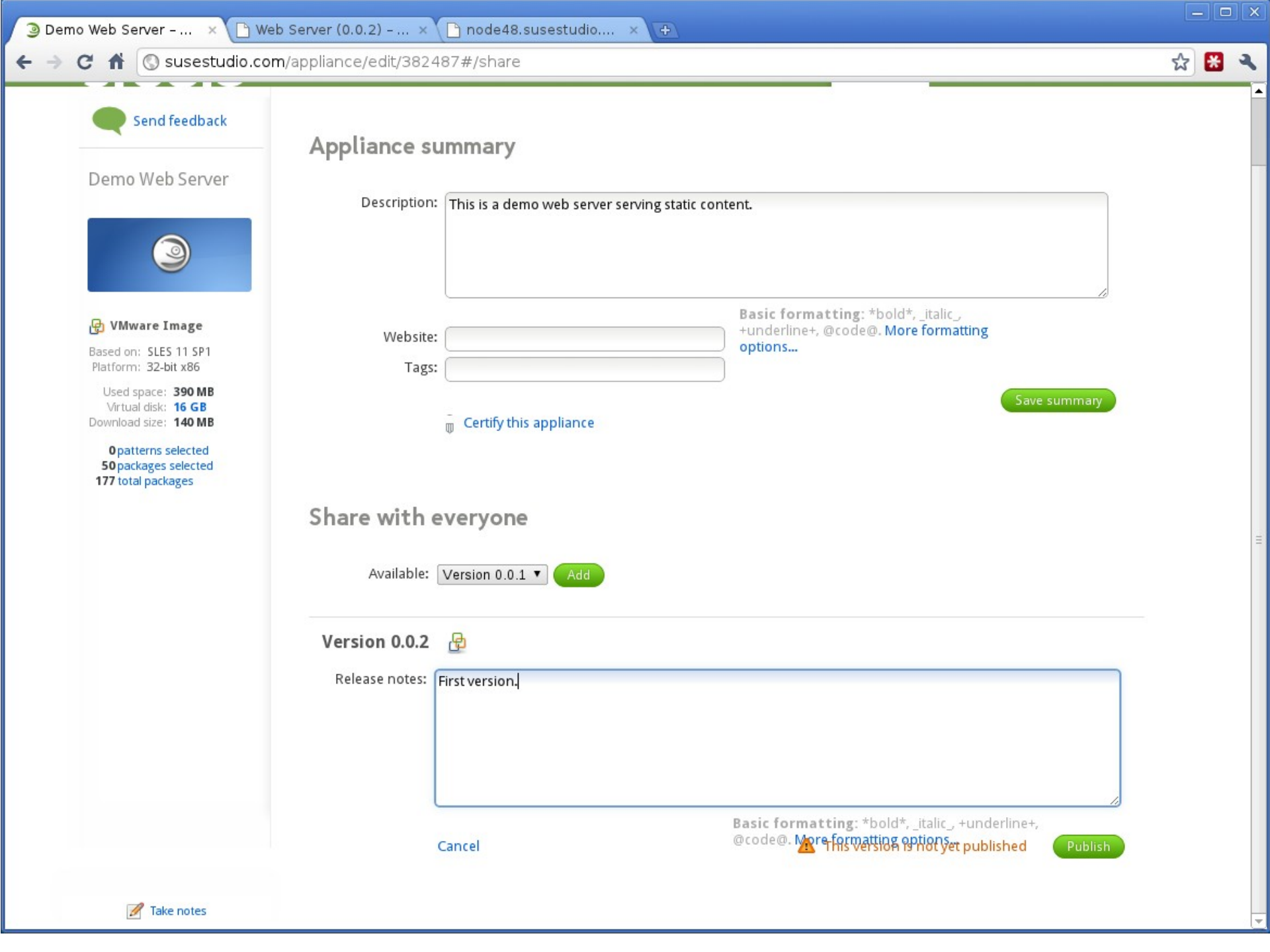
Add selected files to appliance


Web Server – SUSE S...
Web Server (0.0.1) – ...
New Tab
node48.susestudio.com/testdrive/start/JYY1Zt6aK4wWEaP0Y5fs?lang=en
suse studio
Test Drive 58: 01
Modified Files
Networking: off
VMware Image
Networking in testdrive
If your appliance is configured to use DHCP, it will be connected to the network in a limited way so that you can SSH in and perform some basic tests.
You will not be able to make outgoing connections. Your IP address, 195.135.221.2, is the only host that can connect to your testdrive. Ports 22, 80, 443, and 54984 (WebYaST) are mapped to ports 16022, 16080, 16443, and 16984 on host node48.susestudio.com.
Enable networking
SSH into your testdrive
To SSH into your testdrive, you can use this command:
ssh -o "UserKnownHostsFile /dev/null" -p 16022 root@node48.susestudio.com
You can also SCP files into and out of your testdrive (take note: SCP uses the -P option to set the port, with a capital P, whereas SSH uses a lowercase p).
scp -o "UserKnownHostsFile /dev/null" -P 16022 filename
root@node48.susestudio.com:
Try out WebYaST
If you have WebYast installed and enabled, you can access it on port 54984 of your testdrive using this link:
https://node48.susestudio.com:16984/
Try out your web app
To access a web server on port 80 of your testdrive, use this link:
http://node48.susestudio.com:16080/
To access a secure web server on port 443 of your testdrive, use this link:
https://node48.susestudio.com:16443/

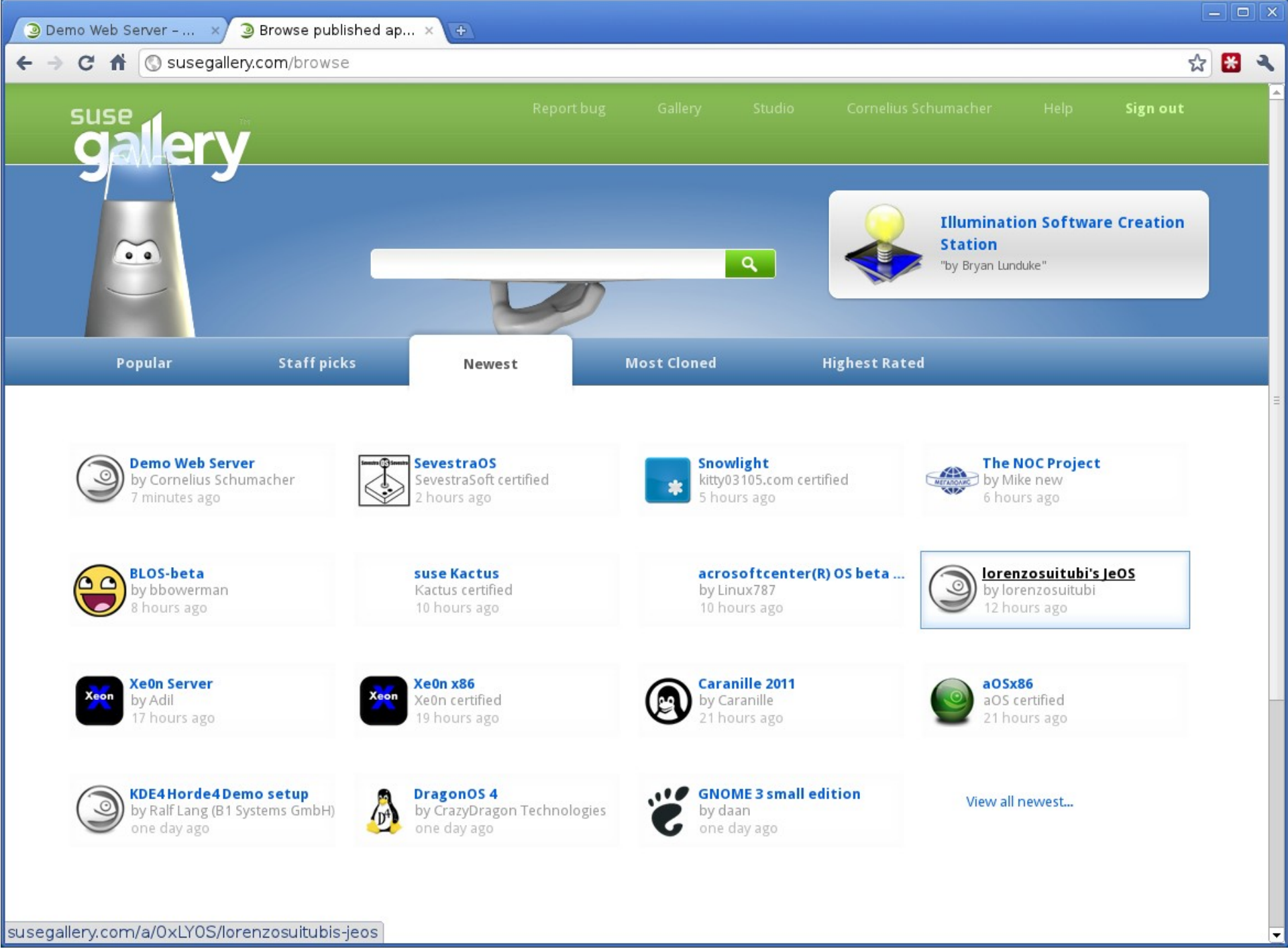

Web Server - SUSE S...
Web Server (0.0.2) - ...
node48.susestudio.com/testdrive/start/hQkyuT5qLNP7x7ahE6DE?lang=en
suse studio
Test Drive 58:17
Modified Files
Networking: off
VMware Image
Ctrl-Alt-F1
Ctrl-Alt-F2
Ctrl-Alt-F3
Ctrl-Alt-F7
Alt-F1
Alt-F2
Ctrl-Alt-Del
Ctrl-Alt-Back
Keyboard layout:
German
+.o .
.. .
. .
....
+-----------------+
Generating /etc/ssh/ssh_host_rsa_key.
Generating public/private rsa key pair.
Your identification has been saved in /etc/ssh/ssh_host_rsa_key.
Your public key has been saved in /etc/ssh/ssh_host_rsa_key.pub.
The key fingerprint is:
3f:1e:2e:8c:cc:7d:6d:86:bf:64:d7:ad:89:c4:ea:4d root@linux-lrdh
The key's randomart image is:
+--[RSA 1024]----+
S
. . ..
o + +oE . o
+ +ooX+o o
+=+=.o
+-----------------+
Starting SSH daemon done
Starting CRON daemon done
Master Resource Control: runlevel 3 has been reached
Skipped services in runlevel 3: nfs irq_balancer
Welcome to SUSE Linux Enterprise Server 11 SP1 (i586) - Kernel 2.6.32.36-0.5-default (tty1).
linux-lrdh login:

Screenshots - Sharing


Demo Web Server - ...
Web Server (0.0.2) - ...
node48.susestudio....
susestudio.com/appliance/edit/382487#/share
Report bug
Gallery
Home
Cornelius Schumacher
Help
Sign out
suse studio
Start
Software
Configuration
Files
Build
Share
Send feedback
Demo Web Server
VMware Image
Based on: SLES 11 SP1
Platform: 32-bit x86
Used space: 390 MB
Virtual disk: 16 GB
Download size: 140 MB
0 patterns selected
50 packages selected
177 total packages
Take notes
Appliance summary
Description:
This is a demo web server serving static content.
Basic formatting: *bold*, _italic_, +underline+, @code@. More formatting options...
Website:
Tags:
There are unsaved changes.
Save summary
Certify this appliance
Share with everyone
Available:
Version 0.0.2
Add


Demo Web Server - ...
Web Server (0.0.2) - ...
node48.susestudio....
susestudio.com/appliance/edit/382487#/share
Send feedback
Demo Web Server
VMware Image
Based on: SLES 11 SP1
Platform: 32-bit x86
Used space: 390 MB
Virtual disk: 16 GB
Download size: 140 MB
0 patterns selected
50 packages selected
177 total packages
Take notes
Appliance summary
Description:
This is a demo web server serving static content.
Basic formatting: *bold*, _italic_, +underline+, @code@. More formatting options...
Website:
Tags:
Save summary
Certify this appliance
Share with everyone
Available:
Version 0.0.1
Add
Version 0.0.2
Release notes:
First version.
Basic formatting: *bold*, _italic_, +underline+, @code@. More formatting options...
Cancel
This version is not yet published
Publish

Screenshots - Gallery


Demo Web Server - ...
Browse published ap...
susegallery.com/browse
suse gallery
Report bug
Gallery
Studio
Cornelius Schumacher
Help
Sign out
Illumination Software Creation Station
"by Bryan Lunduke"
Popular
Staff picks
Newest
Most Cloned
Highest Rated
Demo Web Server
by Cornelius Schumacher
7 minutes ago
SevestraOS
SevestraSoft certified
2 hours ago
Snowlight
kitty03105.com certified
5 hours ago
The NOC Project
by Mike new
6 hours ago
BLOS-beta
by bbowerman
8 hours ago
suse Kactus
Kactus certified
10 hours ago
acrosoftcenter(R) OS beta ...
by Linux787
10 hours ago
lorenzosuitubi's JeOS
by lorenzosuitubi
12 hours ago
Xe0n Server
by Adil
17 hours ago
Xe0n x86
Xe0n certified
19 hours ago
Caranille 2011
by Caranille
21 hours ago
aOSx86
aOS certified
21 hours ago
KDE4 Horde4 Demo setup
by Ralf Lang (B1 Systems GmbH)
one day ago
DragonOS 4
by CrazyDragon Technologies
one day ago
GNOME 3 small edition
by daan
one day ago
View all newest...
susegallery.com/a/0xLY0S/lorenzosuitubis-jeos

Demo Web Server - ... | Demo Web Server - ...

susegallery.com/a/YLHVD3/demo-web-server

suse gallery

Report bug | Gallery | Studio | Cornelius Schumacher | Help | Sign out

Create new appliance...

Send feedback

Demo Web Server

Published by Cornelius Schumacher Based on SLES 11 SP1 32-bit x86

This is a demo web server serving static content.

0 comments

Version 0.0.2

Updated 6 minutes ago

Previously known as Web Server

Edit appliance...

Certify appliance...

Clone appliance...

Download

Virtual

Testdrive

Run in Testdrive

Release notes

First version.

View all appliances published by **Cornelius Schumacher**

Technical Details

Appliance configuration

Accounts

User	Password
root	linux
tux	linux

Security summary

- Only official software sources are included.
- No custom software packages were uploaded.

  Overlay files were uploaded, but none are executable.

- No custom scripts were enabled

susegallery.com/a/YLHVD3/demo-web-server/start_test

Keyboard:	english-us
Time zone:	UTC
Language:	en_US.UTF-8
Network:	dhcp
Firewall:	disabled

Some packages may not be supported by Novell.
Our support engineers may ask you to direct
support requests to the vendor of those packages.
View supportability report...

Software

0 patterns, 177 packages
View package list...

Comments

Add a comment

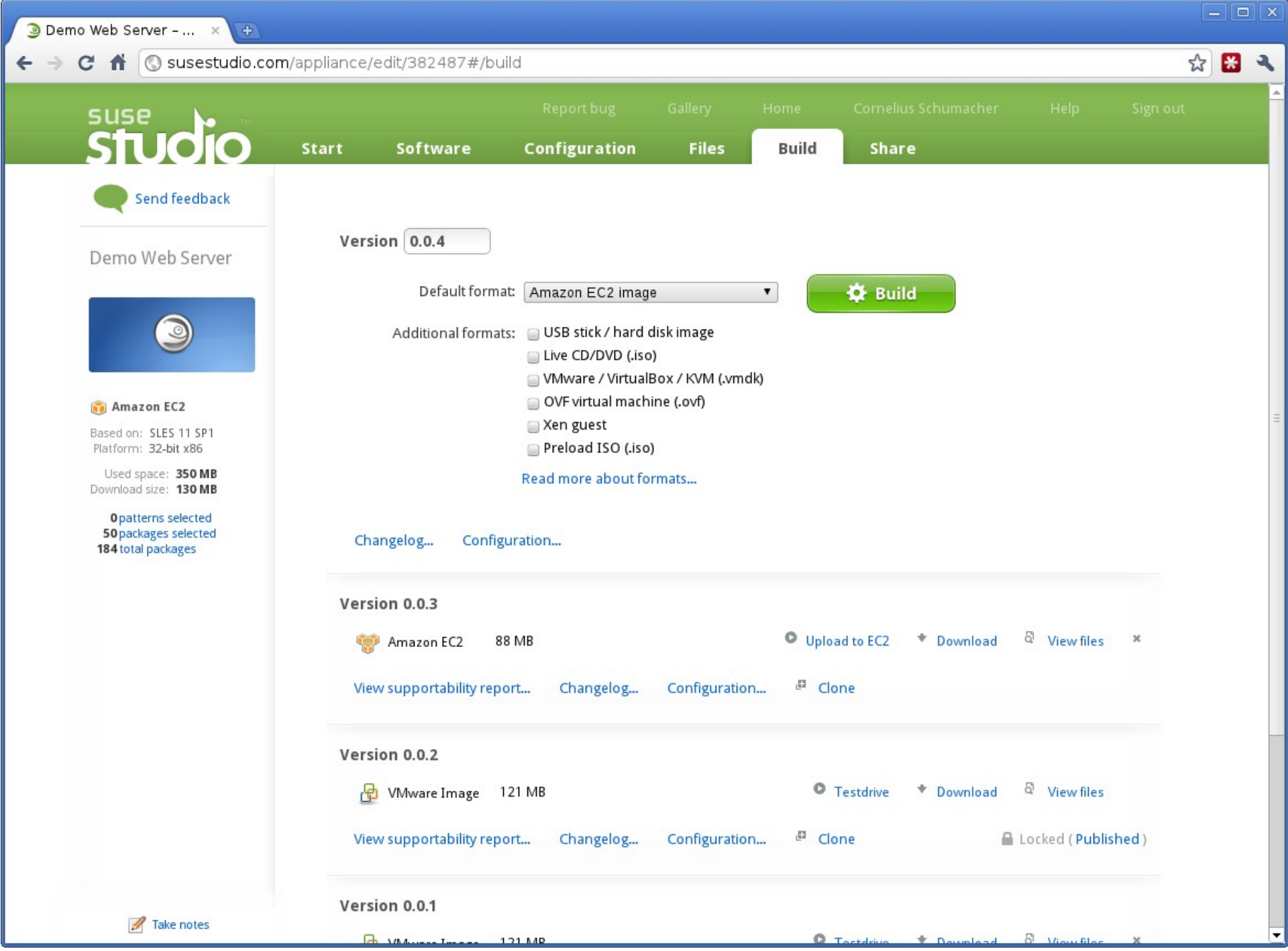
Basic formatting:
bold, _italic_,
+underline+, @code@.
More formatting
options...

Post comment

Everyone's comments

No comments yet

Screenshots – Amazon EC2


Demo Web Server - ...
susestudio.com/appliance/edit/382487#/build
suse studio
Report bug
Gallery
Home
Cornelius Schumacher
Help
Sign out
Start
Software
Configuration
Files
Build
Share
Send feedback
Demo Web Server
Amazon EC2
Based on: SLES 11 SP1
Platform: 32-bit x86
Used space: 350 MB
Download size: 130 MB
0 patterns selected
50 packages selected
184 total packages
Take notes
Version 0.0.4
Default format: Amazon EC2 image
Build
Additional formats:
USB stick / hard disk image
Live CD/DVD (.iso)
VMware / VirtualBox / KVM (.vmdk)
OVF virtual machine (.ovf)
Xen guest
Preload ISO (.iso)
Read more about formats...
Changelog...
Configuration...
Version 0.0.3
Amazon EC2 88 MB
Upload to EC2
Download
View files
View supportability report...
Changelog...
Configuration...
Clone
Version 0.0.2
VMware Image 121 MB
Testdrive
Download
View files
View supportability report...
Changelog...
Configuration...
Clone
Locked (Published)
Version 0.0.1

Amazon Web Services (AWS) credentials

Your credentials allow you to get access to AWS and upload your appliance to EC2.

You can view them at any time from your AWS account.

Access Key ID:

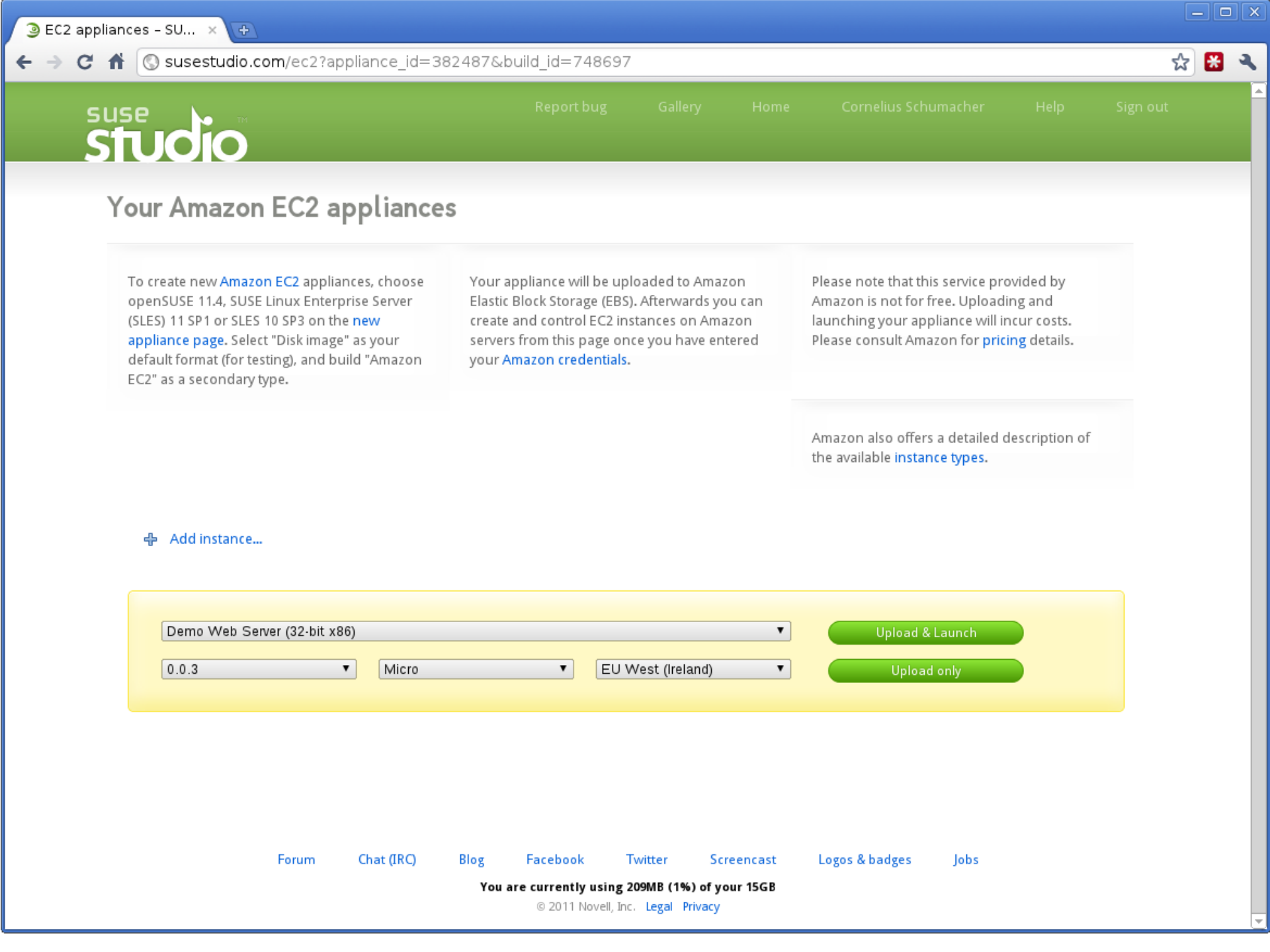
Secret Access Key:

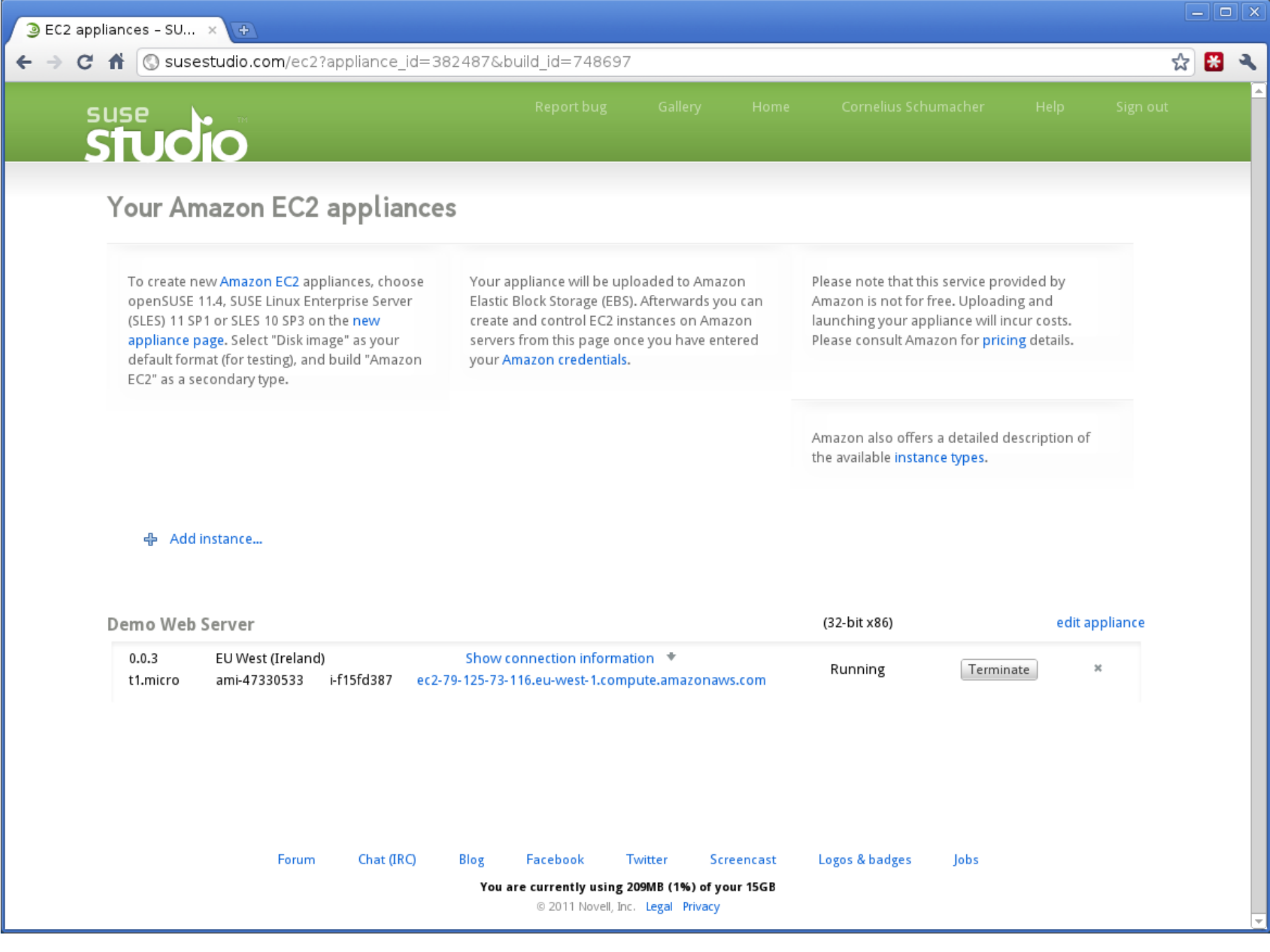
Default region: US West (N. California)

Save changes

If you are no longer using this service, you can delete you credentials from our database at any time.

Return to previous page.


EC2 appliances - SU...
susestudio.com/ec2?appliance_id=382487&build_id=748697
suse studio
Report bug
Gallery
Home
Cornelius Schumacher
Help
Sign out
Your Amazon EC2 appliances
To create new Amazon EC2 appliances, choose openSUSE 11.4, SUSE Linux Enterprise Server (SLES) 11 SP1 or SLES 10 SP3 on the new appliance page. Select "Disk image" as your default format (for testing), and build "Amazon EC2" as a secondary type.
Your appliance will be uploaded to Amazon Elastic Block Storage (EBS). Afterwards you can create and control EC2 instances on Amazon servers from this page once you have entered your Amazon credentials.
Please note that this service provided by Amazon is not for free. Uploading and launching your appliance will incur costs. Please consult Amazon for pricing details.
Amazon also offers a detailed description of the available instance types.
Add instance...
Demo Web Server (32-bit x86)
Upload & Launch
0.0.3
Micro
EU West (Ireland)
Upload only
Forum
Chat (IRC)
Blog
Facebook
Twitter
Screencast
Logos & badges
Jobs
You are currently using 209MB (1%) of your 15GB
© 2011 Novell, Inc. Legal Privacy


EC2 appliances - SU...
susestudio.com/ec2?appliance_id=382487&build_id=748697
suse studio
Report bug
Gallery
Home
Cornelius Schumacher
Help
Sign out
Your Amazon EC2 appliances
To create new Amazon EC2 appliances, choose openSUSE 11.4, SUSE Linux Enterprise Server (SLES) 11 SP1 or SLES 10 SP3 on the new appliance page. Select "Disk image" as your default format (for testing), and build "Amazon EC2" as a secondary type.
Your appliance will be uploaded to Amazon Elastic Block Storage (EBS). Afterwards you can create and control EC2 instances on Amazon servers from this page once you have entered your Amazon credentials.
Please note that this service provided by Amazon is not for free. Uploading and launching your appliance will incur costs. Please consult Amazon for pricing details.
Amazon also offers a detailed description of the available instance types.
Add instance...
Demo Web Server
(32-bit x86)
edit appliance
0.0.3
EU West (Ireland)
Show connection information
t1.micro
ami-47330533
i-f15fd387
ec2-79-125-73-116.eu-west-1.compute.amazonaws.com
Running
Terminate
Forum
Chat (IRC)
Blog
Facebook
Twitter
Screencast
Logos & badges
Jobs
You are currently using 209MB (1%) of your 15GB
© 2011 Novell, Inc. Legal Privacy

End