

# Ako vytvoriť openSUSE (nielen) pre školy

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obs



# Motivácia

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- open-source komunita vytvára množstvo aplikácií
- inštalácia resp. vytváranie inštalačných balíkov nie je vždy jednoduché
- problémy:
  - rozdielne platformy (x86, x86\_64, ppc, ppc64, ...)
  - staršie distribúcie majú neaktuálne verzie softvéru
  - rozdiely medzi jednotlivými distribúciami
  - distribúcia výsledných balíkov k užívateľovi



- openSUSE**
- Get Software
  - Wiki
  - Build Software
  - User Directory
  - Notifications
  - Features
  - News
  - Forums
  - Shop

- Home**
- User: prusnak
- My Notifications
  - My Projects
  - My Requests
  - Home Project

- Locations**
- Projects
  - Search
  - Server Status

- Help**
- Wiki Pages
  - Building Packages
  - Writing spec Files
  - Administrator Request
  - Reporting a Bug
  - OBS Forums



Buildservice > Projects > Education

## Applications for education users (Education) ★★★★★

[Watch this project]  
[Report Bug]

This Project contains several packages which might be interesting for educational use.

Have a look at <http://en.opensuse.org/Education/Applications> for details.

### Tags +

### Show all tags Involved Users

- Maintainers**
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### Packages

Filter:  🔍

_product
_product:openSUSE-Education-dvd5-DVD-i586
_product:openSUSE-Education-dvd5-DVD-x86_64
_product:openSUSE-Education-release
amd
anki
aten
atomix
ATutor
avbin
avogadro
bc
bibletime
bioruby
bluefish
bluefish-doc
bluefish-unstable

### Build Repositories ↻

Name	i586	x86_64
<b>CentOS_5</b> <small>CentOS:CentOS-5/standard Goto Repository</small>	<b>State: published</b> succeeded: 29 failed: 3 expansion error: 6 broken: 3 disabled: 340 excluded: 3 <b>build:</b> 🚫 <b>publish:</b> 🟢	<b>State: published</b> succeeded: 21 failed: 2 expansion error: 4 broken: 2 disabled: 353 excluded: 2 <b>build:</b> 🚫 <b>publish:</b> 🟢
<b>Fedora_10</b> <small>Fedora:10/standard Goto Repository</small>	<b>State: published</b> succeeded: 8 failed: 6 expansion error: 1 broken: 3 disabled: 363 excluded: 3 <b>build:</b> 🚫 <b>publish:</b> 🟢	<b>State: published</b> succeeded: 4 failed: 5 expansion error: 1 broken: 2 disabled: 370 excluded: 2 <b>build:</b> 🚫 <b>publish:</b> 🟢
<b>Fedora_11</b> <small>Fedora:11/standard Goto Repository</small>	<b>State: published</b> succeeded: 69 failed: 65 expansion error: 157 broken: 5 disabled: 74 excluded: 14 <b>build:</b> 🟢 <b>publish:</b> 🟢	<b>State: published</b> succeeded: 31 failed: 59 expansion error: 132 broken: 2 disabled: 148 excluded: 12 <b>build:</b> 🟢 <b>publish:</b> 🟢





















# Distribúcie

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- openSUSE
  - 11.0, 11.1, 11.2, Factory
- SUSE Linux Enterprise
  - SLE 9, SLE 10, SLE 11
- Fedora
- CentOS
- Red Hat Enterprise Linux
- Mandriva
- Ubuntu
- Debian
- iné ...

## Index of /repositories/Education/openSUSE\_11.2/i586

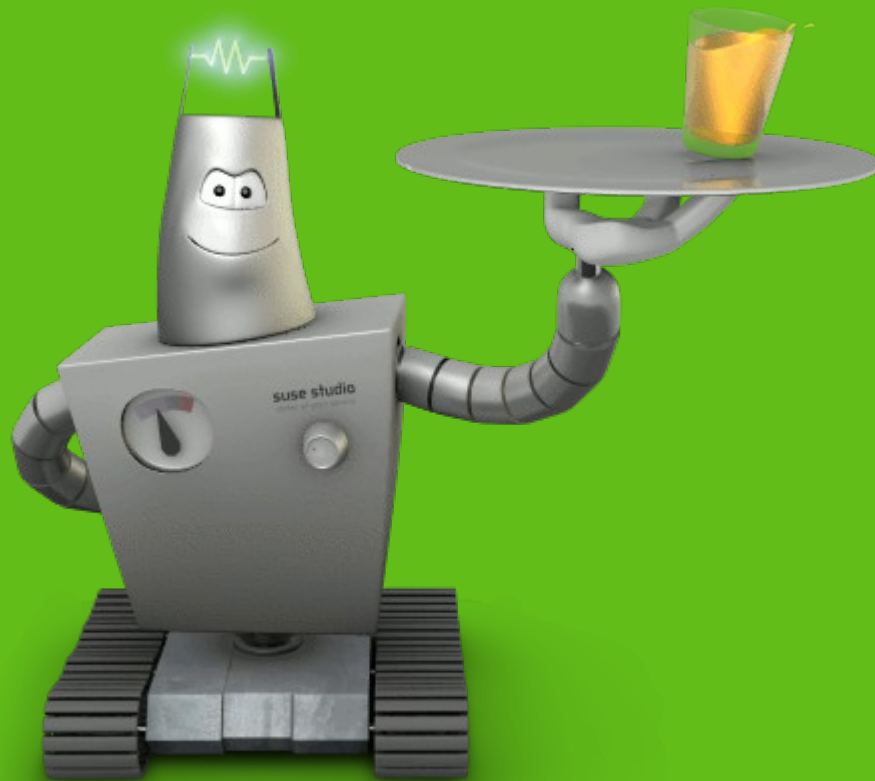
Name	Last modified	Size		
 Parent Directory		-		
 FreeMat-4.0-5.1.i586.rpm	26-Dec-2009 21:04	10M	<a href="#">Mirrors</a>	<a href="#">Metalink</a>
 HeeksArt-0.1.0svn8-6.1.i586.rpm	25-Dec-2009 17:04	218K	<a href="#">Mirrors</a>	<a href="#">Metalink</a>
 HeeksCAD-0.7.0svn404-18.1.i586.rpm	25-Dec-2009 16:46	1.0M	<a href="#">Mirrors</a>	<a href="#">Metalink</a>
 HeeksCAD-devel-0.7.0svn404-18.1.i586.rpm	25-Dec-2009 16:46	408K	<a href="#">Mirrors</a>	<a href="#">Metalink</a>
 HeeksCNC-0.5.1svn337-17.1.i586.rpm	25-Dec-2009 17:06	313K	<a href="#">Mirrors</a>	<a href="#">Metalink</a>
 LabPlot-1.6.0.2-12.29.i586.rpm	06-Apr-2010 09:54	6.7M	<a href="#">Mirrors</a>	<a href="#">Metalink</a>
 MultiplicationStation-0.5.2-23.1.i586.rpm	29-Oct-2009 12:49	2.5M	<a href="#">Mirrors</a>	<a href="#">Metalink</a>
 OpenCASCADE-6.3.0-39.1.i586.rpm	09-Nov-2009 15:24	67M	<a href="#">Mirrors</a>	<a href="#">Metalink</a>
 OpenCASCADE-devel-6.3.0-39.1.i586.rpm	09-Nov-2009 15:24	21M	<a href="#">Mirrors</a>	<a href="#">Metalink</a>
 R-base-2.8.1-5.24.i586.rpm	01-Apr-2010 06:24	25M	<a href="#">Mirrors</a>	<a href="#">Metalink</a>
 R-base-devel-2.8.1-5.24.i586.rpm	01-Apr-2010 06:24	70K	<a href="#">Mirrors</a>	<a href="#">Metalink</a>
 TuxMathScrabble-0.5.7-12.1.i586.rpm	29-Oct-2009 13:38	6.9M	<a href="#">Mirrors</a>	<a href="#">Metalink</a>
 TuxWordSmith-0.6.7-6.1.i586.rpm	29-Oct-2009 12:39	15M	<a href="#">Mirrors</a>	<a href="#">Metalink</a>
 Xdialog-2.3.1-1.3.i586.rpm	08-Nov-2009 18:55	313K	<a href="#">Mirrors</a>	<a href="#">Metalink</a>
 amd-2.2.0-9.1.i586.rpm	29-Oct-2009 14:13	158K	<a href="#">Mirrors</a>	<a href="#">Metalink</a>
 amd-devel-2.2.0-9.1.i586.rpm	29-Oct-2009 14:13	20K	<a href="#">Mirrors</a>	<a href="#">Metalink</a>
 anki-0.9.9.8.5-2.1.i586.rpm	13-Jan-2010 14:06	1.0M	<a href="#">Mirrors</a>	<a href="#">Metalink</a>
 aten-1.5.1181-8.1.i586.rpm	19-Apr-2010 11:35	2.9M	<a href="#">Mirrors</a>	<a href="#">Metalink</a>



# Posledné verzie softvéru

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- prostredia
  - GNOME, KDE, LXDE, Xfce, ...
- aplikácie
  - openOffice.org, hry, Mozilla
- databáze
  - MySQL, PostgreSQL, Firebird
  - CouchDB, MongoDB, Regis
- programovacie jazyky
  - Erlang, Haskell, Java, Lua, Mono, Pascal, Perl, PHP, Pike, Prolog, Python, R, Ruby, Smalltalk, Tcl
- výukový softvér a softvér pre školy
  - Celestia, Euler, DrGeo, FreeMat, Gambas, Geogebra, KIG, LabPlot, Moodle, Octave, Phun, QCad, SciLab, Stellarium





# Appliance

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- appliance je kombinácia
  - aplikácie alebo množiny aplikácií
  - jej alebo ich konfigurácie
  - operačného systému (typicky JeOS)
- jednotlivé časti tvoria jeden celok
- softvérová appliance
  - inštalácia na server/počítače (USB, CD/DVD, HDD)
- virtuálna appliance
  - hypervisor / cloud computing
  - VMware, Xen



# Výhody appliance

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- Appliance ...
  - ... sa ľahko spúšťajú
  - ... sú obvykle menšie ako bežný systém + aplikácie
  - ... majú preddefinovaný a predkonfigurovaný softvér
  - ... sú stavané presne pre jasne dané prostredie
  - ... sa ľahko udržujú

Send feedback

- General
- Personalize
- Startup
- Server
- Desktop
- Appliance
- Scripts

## Education



### Disk Image

Based on: openSUSE 11.2  
Platform: 32-bit

Used space: **310 MB**  
Download size: **120 MB**

0 patterns selected  
26 packages selected  
140 total packages

## 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



# SUSE Studio

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- jednoduchý a rýchly nástroj na appliance
- webový užívateľský interface
- appliance je možné spúšťať, konfigurovať a testovať priamo v prehliadači (bez nutnosti sťahovania či inštalovania)
- je prepojené s openSUSE Build Service
  - obrovské množstvo softvéru na dosah ruky



# Odkazy

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- Build Service
  - <http://build.opensuse.org/>
  - [http://en.opensuse.org/Build\\_Service](http://en.opensuse.org/Build_Service)
  - [opensuse-buildservice@opensuse.org](mailto:opensuse-buildservice@opensuse.org)
  - #opensuse-buildservice / irc.freenode.net
- SUSE Studio
  - <http://susestudio.com/>
  - [http://en.opensuse.org/SUSE\\_Studio](http://en.opensuse.org/SUSE_Studio)
  - #susestudio / irc.freenode.net

Ukážka