What you should know about YaST

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What does people know?

- Most complete and popular system configuration tool
- It has graphical and text mode interfaces
- It does lot of magic

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NO user interface for me!!

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Enter YaST command line

List modules:

- yast -l

Use them:

- yast firewall help
- yast firewall startup help
- yast firewall startup show
- yast firewall startup atboot
- yast firewall services add tcpport=666 zone=EXT

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“I don't want to learn YCP!”

YaST from ruby

```
require 'yast'
require 'ycp/storage'

puts YCP::Storage.methods

dp = YCP::Storage::GetDiskPartition("/dev/sda1")
dp.each do | key, value |
  puts "#{key} #{value}"
end
```


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Why not Python?

from ycp import *

http://svn.opensuse.org/svn/yast/trunk/mysql-server

Need involvement from the community here!

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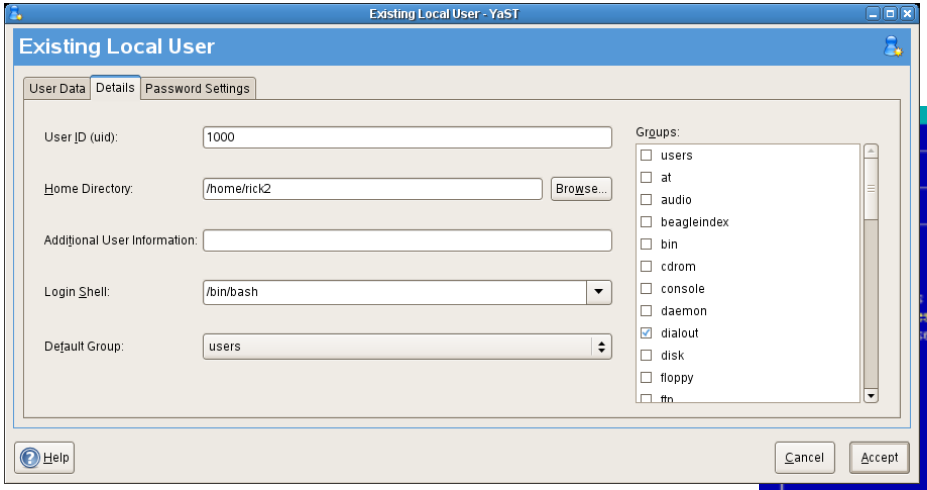
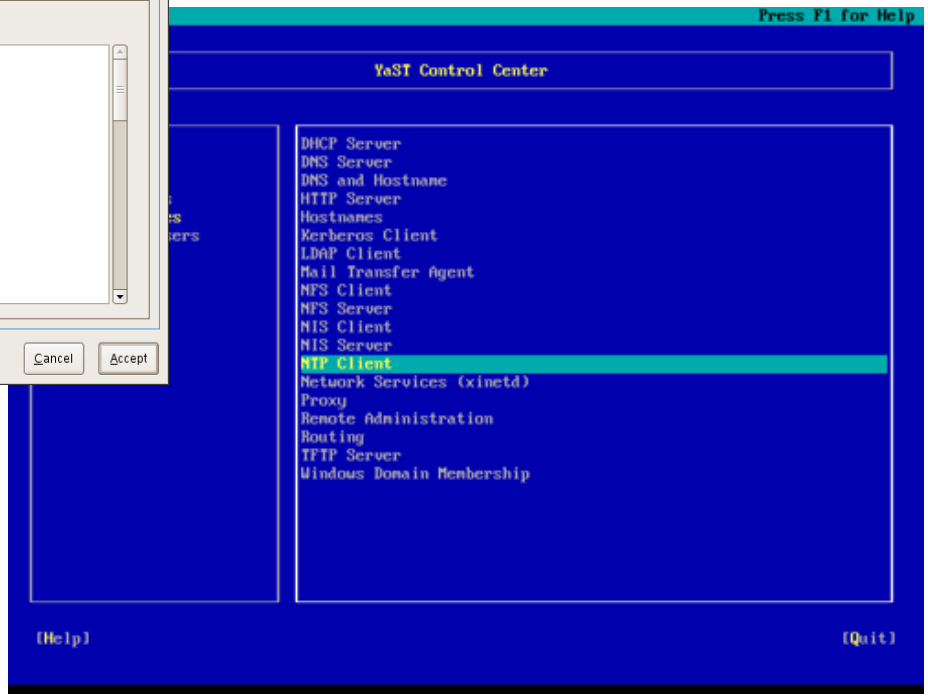
The YaST user interface

YaST UI library





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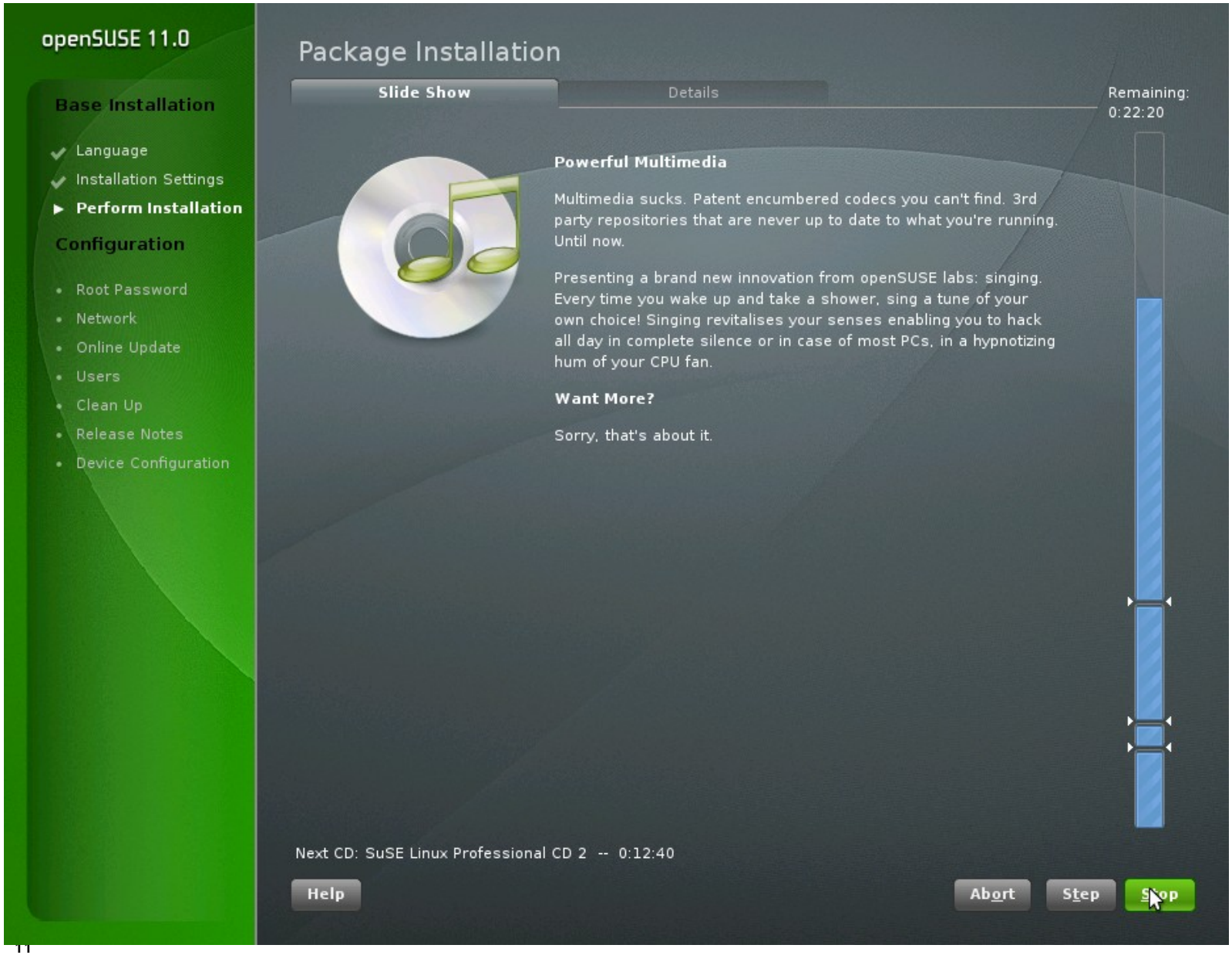
libyui libray

```
// Trivial libyui example.
//
// Compile with:
//
//     g++ -I/usr/include/YaST2/yui -lyui HelloWorld.cc -o HelloWorld
#include "YUI.h"
#include "YWidgetFactory.h"
#include "YDialog.h"
#include "YLayoutBox.h"
#include "YEvent.h"
int main( int argc, char **argv )
{
    YDialog    * dialog = YUI::widgetFactory()->createPopupDialog();
    YLayoutBox * vbox   = YUI::widgetFactory()->createVBox( dialog );
    YUI::widgetFactory()->createLabel     ( vbox, "Hello, World!" );
    YUI::widgetFactory()->createPushButton( vbox, "&OK" );

    YEvent * event = dialog->waitForEvent();
    delete event;
    dialog->destroy();
}
```


openSUSE 11.0
Base Installation
Language
Installation Settings
Perform Installation
Configuration
Root Password
Network
Online Update
Users
Clean Up
Release Notes
Device Configuration
Package Installation
Slide Show
Details
Remaining:
0:22:20
Powerful Multimedia
Multimedia sucks. Patent encumbered codecs you can't find. 3rd party repositories that are never up to date to what you're running. Until now.
Presenting a brand new innovation from openSUSE labs: singing. Every time you wake up and take a shower, sing a tune of your own choice! Singing revitalises your senses enabling you to hack all day in complete silence or in case of most PCs, in a hypnotizing hum of your CPU fan.
Want More?
Sorry, that's about it.
Next CD: SuSE Linux Professional CD 2 -- 0:12:40
Help
Abort
Step
Stop

Style managed in CSS

wizard/style.qss in yast2-theme-openSUSE (or Y2STYLE)

```
#wizard {
  /* background: transparent url(gilose.png) no-repeat top left; */
}
#work_area {
  padding: 1em;
  border: none;
  border-left: 2px solid #888;
}
#steps  {
  padding: 3.5em 0 1em 1em;
  background: url(logo.png) no-repeat top left;
  border: none;
  font-size: 90%;
}
```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“Package management is slow...”

10.3, 23 repos

zypper in nautilus

(> 1 minute, cold)

The following package is going to be upgraded:

python

The following NEW packages are going to be installed:

gnome2-user-docs gnome-menus gnome-desktop eel nautilus

Overall download size: 16.3 M. After the operation, additional 53.3 M will be used.

Continue? [yes/no]: n

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11.0, 23 repos

zypper in nautilus

9 seconds, cold. (3.5 warm)

The following package is going to be upgraded:

python

The following NEW packages are going to be installed:

gnome2-user-docs gnome-menus gnome-desktop eel nautilus

Overall download size: 16.3 M. After the operation, additional 53.3 M will be used.

Continue? [yes/no]: n

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11.0, other goodies

- YaST support to manage repository keys
- The solver is simpler and smarter
- Downloading solv files from the server
  - no need to parse locally
- PackageKit backend (see packagekit.org)
  - Will open the door for 1:1 integration between desktop and software management

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Why is it so fast?
Stay here and watch Michael Schroeder's talk.

Questions?

Join us!
yast-devel@opensuse.org
http://opensuse.org/YaST

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Most importantly keep the area under the logo clear

SUSE Palette	Yellow Palette	Green Palette	Blue Palette	Gray Palette	Misc
R 188 G 225 B 141	R 252 G 194 B 79	R 225 G 213 B 75	R 182 G 201 B 207	R 186 G 189 B 182	R 237 G 238 B 236
R 0 G 149 B 48	R 232 G 128 B 0	R 157 G 176 B 41	R 100 G 132 B 164	R 107 G 108 B 105	R 224 G 0 B 0
R 0 G 98 B 90	R 201 G 86 B 22	R 115 G 126 B 31	R 77 G 68 B 102	R 46 G 52 B 54	R 204 G 0 B 0

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