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
NO user interface for me!!
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
“I don't want to learn YCP!”
require 'yast'
require 'ycp/storage'

puts YCP::Storage.methods

dp = YCP::Storage::GetDiskPartition("/dev/sda1")
dp.each do | key, value |
  puts "#{key} #{value}"
end
Why not Python?

from ycp import *

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

Need involvement from the community here!
The YaST user interface
YaST UI library
// 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();
}
Package Installation

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 PC’s, 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
Style managed in CSS

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

```css
#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%;
}
```
“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
11.0, 23 repos

# zypper in nautilus

9 seconds, cold. ( 3.5 warm )

The following package is going to be upgraded:
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Overall download size: 16.3 M. After the operation, additional 53.3 M will be used.
Continue? [yes/no]: n
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
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.

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