One Click Install

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Contents

- What it is
- Uses
- How to utilise it.
- Problems
- Related Issues

What is One Click Install?



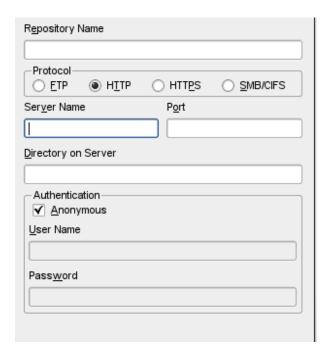
Overwhelming Terminology

- Package
- Resolvable
- Zypper
- Repository
- Service
- Mirror
- URI
- Alias

. . .



Complex User Interfaces





Interrupted Workflow

- Add Repository
- Wait
- Select Package
- Wait





Use Cases

- Visit vendor website -> Install Software
- Receive CD -> Install Software
- How-Tos



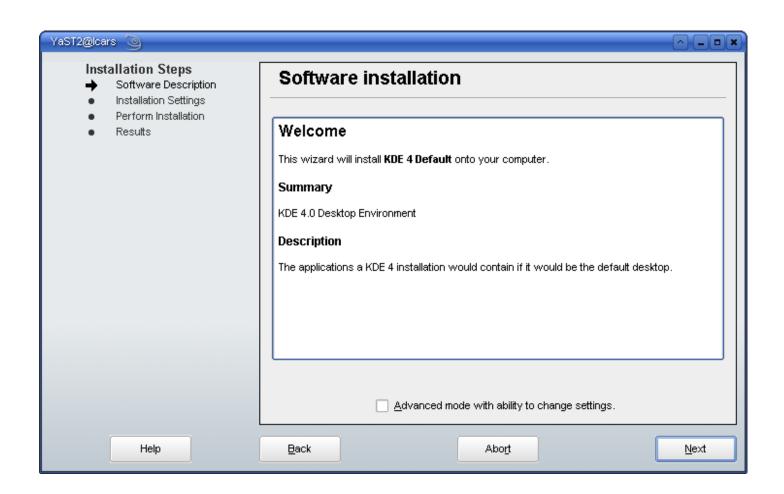
The Solution

Automate

- Repository Addition
- Package Installation

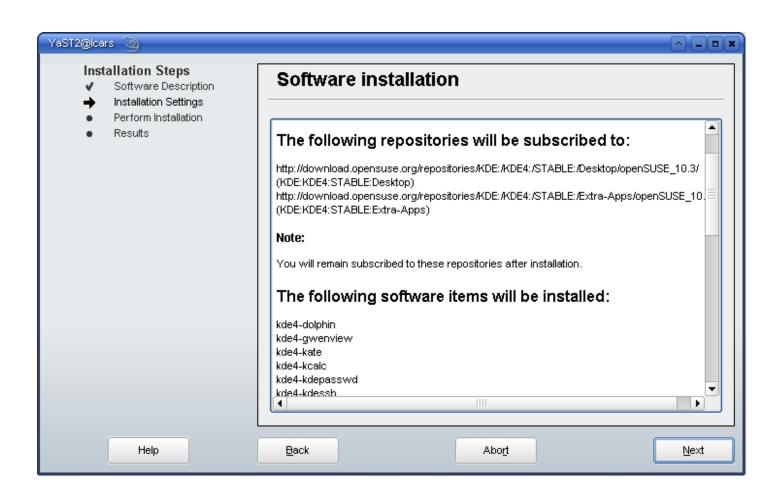


The Solution





The Solution





How it works

XML Description

- Specify Required Repositories
- Specify Required Software

Mime-type

- Link to file of that mime
- data: trick for blogs

Hander

- Converts instructions to package manager functions
- Runs as limited user, until installation



Why Not...

RPMs that enable repositories

- Difficult to create
- Multiple Distributions

Protocol handler

- apt:/ Limited flexibility
- Browser compatibility

How is One Click Install Used?



Blogs

ect (16)
ak Peeks (9)
ware (41)
GNOME (3)
KDE (12)
kkly News (9)

For openSUSE 10.3 you can use 1-Click-Install:

Install
Firefox 3.0B1 via 1-click

This entry is filed under KDE, Software. You can follow any

Friday, January 11, 2008

Tomboy Oneclick Install for openSUSE 10.3

If you've got openSUSE 10.3, you've got to give Tomboy's new Notebooking feature a shot:



Thanks jimmac and abock for the 1 click button idea! :)

Posted by FiveStringB at 2:02 PM

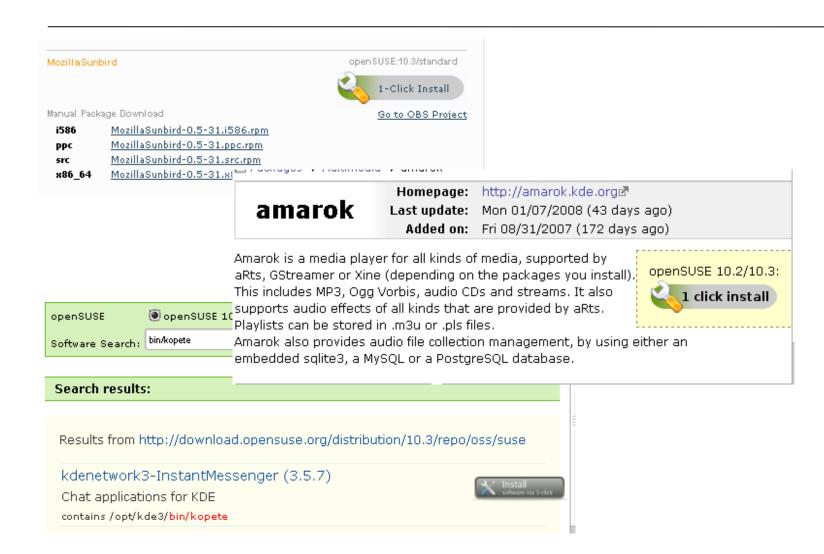


ISV Media



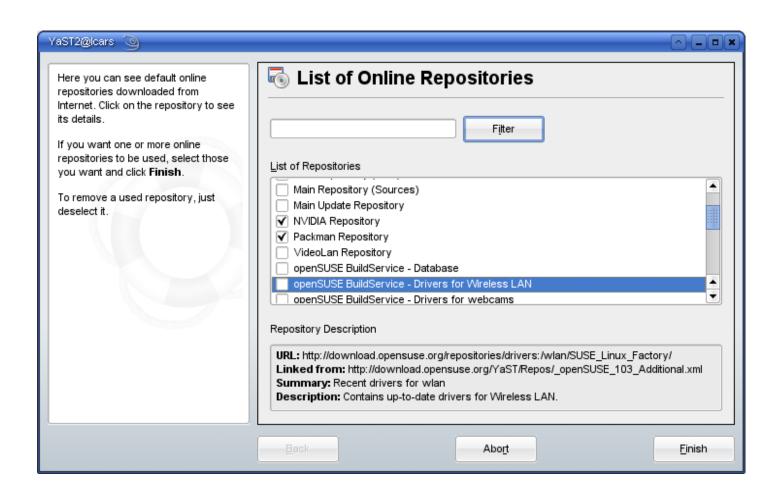


Web Software Catalogues





"Community Repositories"



How To Utilise One Click Install



Publish Your Software

- 0) Package the Software
- 1) Create a Repository
- 2) Create a .ymp file
- 3) Distribute Repository & YMP
 - openSUSE build service can build & host



Creating a YMP

```
<metapackage
    xmlns:os="http://opensuse.org/Standards/One_Click_Install"
    xmlns="http://opensuse.org/Standards/One_Click_Install">
        <group>
                <name>My Package Bundle</name>
                <summary>This is a software bundle</summary>
                <description>This is the summary</description>
                <repositories>
                        <repository>
                                <name>MyRepository</name>
                                <summary>This repository...</summary>
                                <description>[Description]</description>
                                <url>http://example.com/MyRepository</url>
                        </repository>
                </repositories>
                <software>
                        <item>
                                <name>MyPackage</name>
                                <summary>This is a my package.</summary>
                                <description>[Description]</description>
                        </item>
                </software>
        </group>
</metapackage>
```



Creating a YMP

Strings are Translatable

```
<description>Base description</description>
<description lang="pt_BR">....</description>
```

Multiple Distributions



Add support to your distribution

Doesn't have to be limited to openSUSE

- Implement Handler for x-suse-ymp
- Talk to your own package manager
- XML structure can be tweaked

Uses

- Support Debian/Fedora... etc
- Fall back to Klik for limited users

Problems/Challenges



Missing Features

Large upgrade suitability

"Install if newer version available"

Install from specific repository

User Interface for creating YMPs

Support for other distributions



Too easy?

How can user evaluate quality/risk?

- Easy to install malicious or unstable packages
- Currently only accept/reject key.
- Build Service Trust/Rating



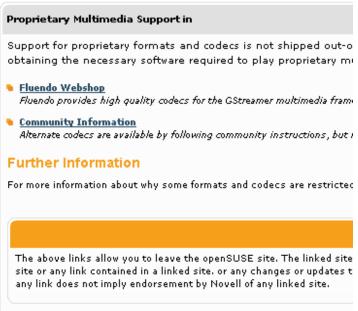
Related Issues



Codec Installation

Easier in 10.3 – makes use of one click install







Codec Installation

Users still have to google for HowTos, ask for help

- Could be a lot easier
- Should not be limited to mp3

The software they require should "find them"



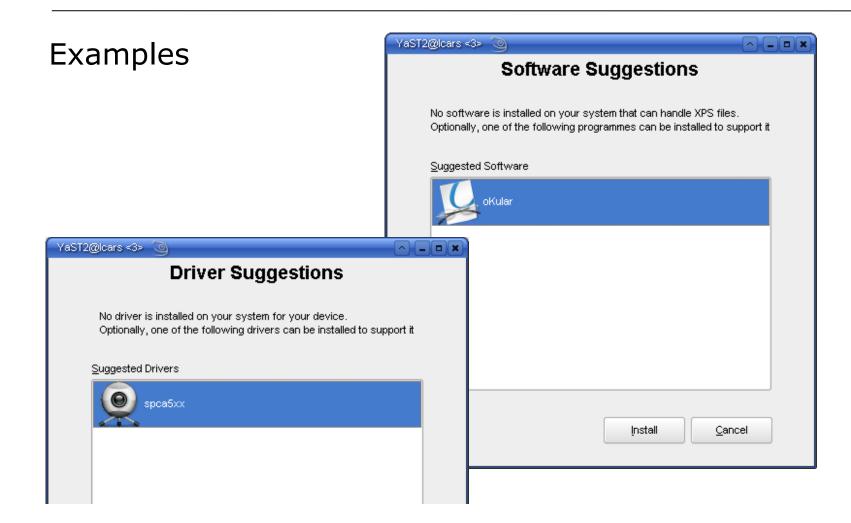
"Open With" - search for software

- Look in local software management cache
- Send MimeType to web-service
- Receive List of Programmes which can handle it

"New Hardware Found" - search for drivers

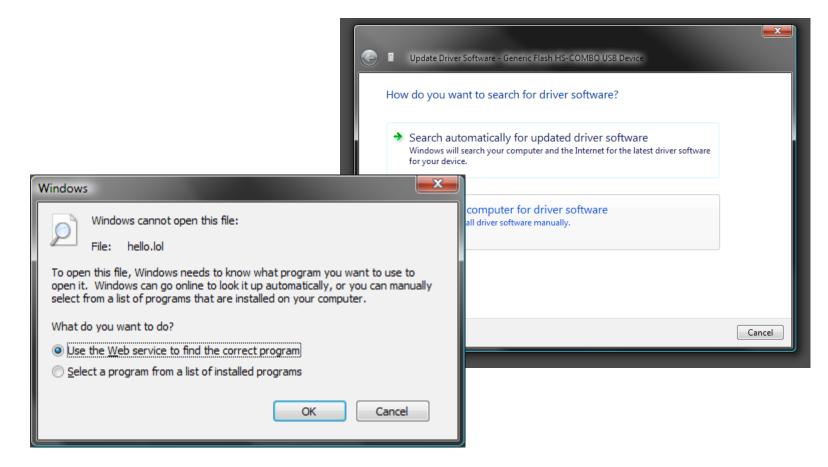
- Send pci-id to web-service?
- Receive List of drivers







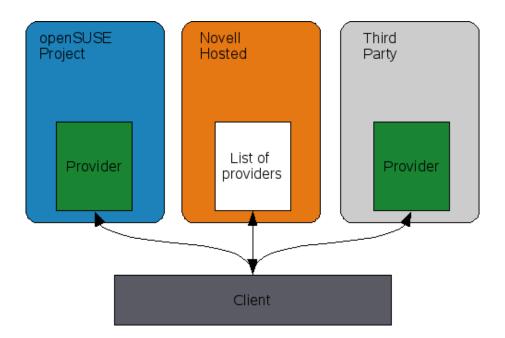
Windows does do this already





Legal issues

- Problems with even pointing to mp3, nvidia ...
- Lots of software is not problematic
- "community repositories" trick



Questions?



Reference Material

About One Click Install

- http://en.opensuse.org/Meta_Packages
- http://en.opensuse.org/Meta_Packages/ISV
- http://en.opensuse.org/Standards/One_Click_Insta

Sites Featured

- http://packman.links2linux.org/
- http://software.opensuse.org/search
- http://packages.opensuse-community.org/

Contact Me

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