Frank Karlitschek

KDE Developer

openDesktop.org
KDE-Look.org
KDE-Apps.org

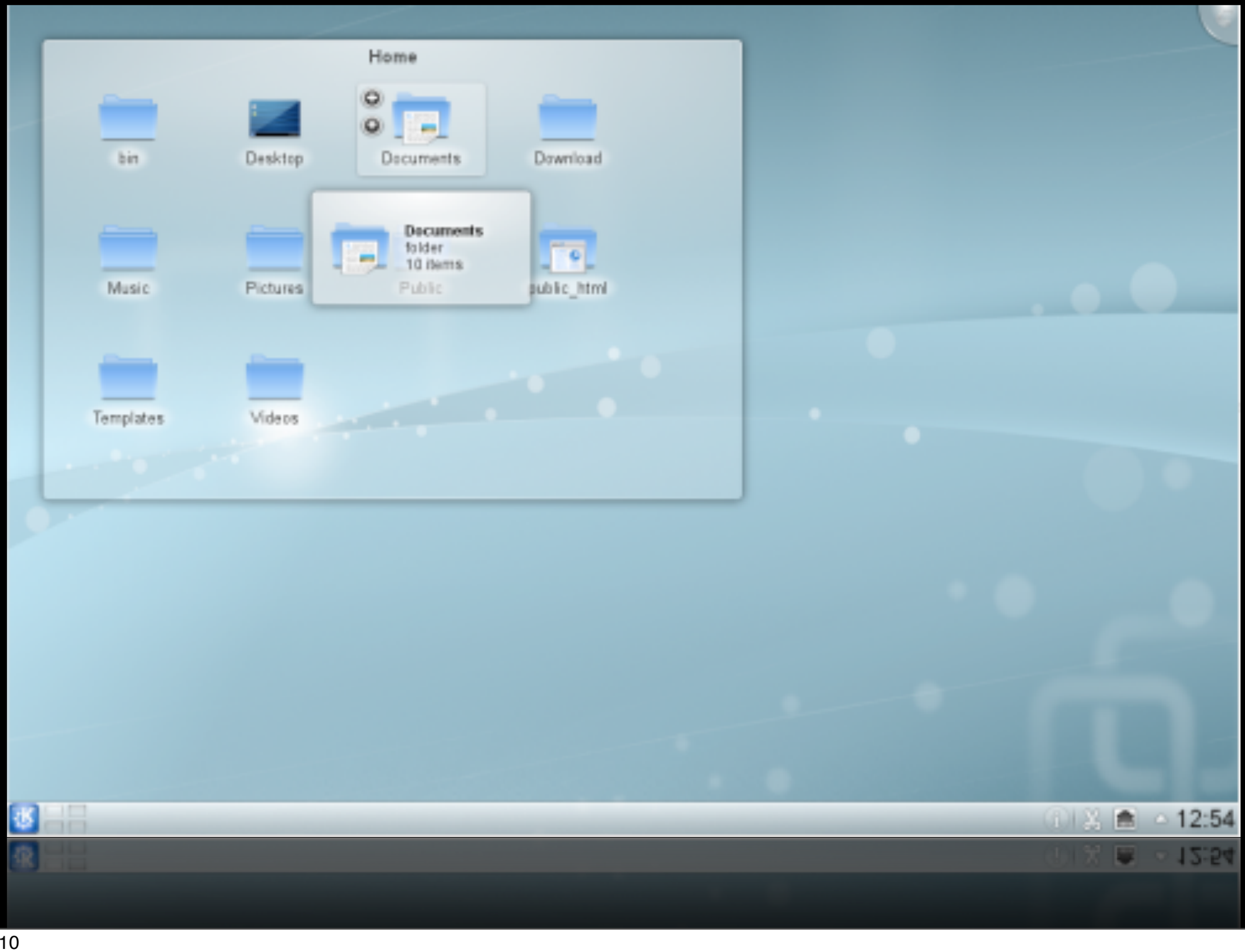
Social Desktop
ownCloud

Unclouding

OwnCloud

- Why ownCloud
- Current Status
- The Future

KDE SC 4.5 rocks!



Challenges of the next 5 years

Move from Desktop Apps to Cloud Apps

Examples:

Examples:

- Pandora / last.fm

Examples:

- Pandora / last.fm
- Google Docs

Examples:

- Pandora / last.fm
- Google Docs
- GMail/Hotmail/Messaging

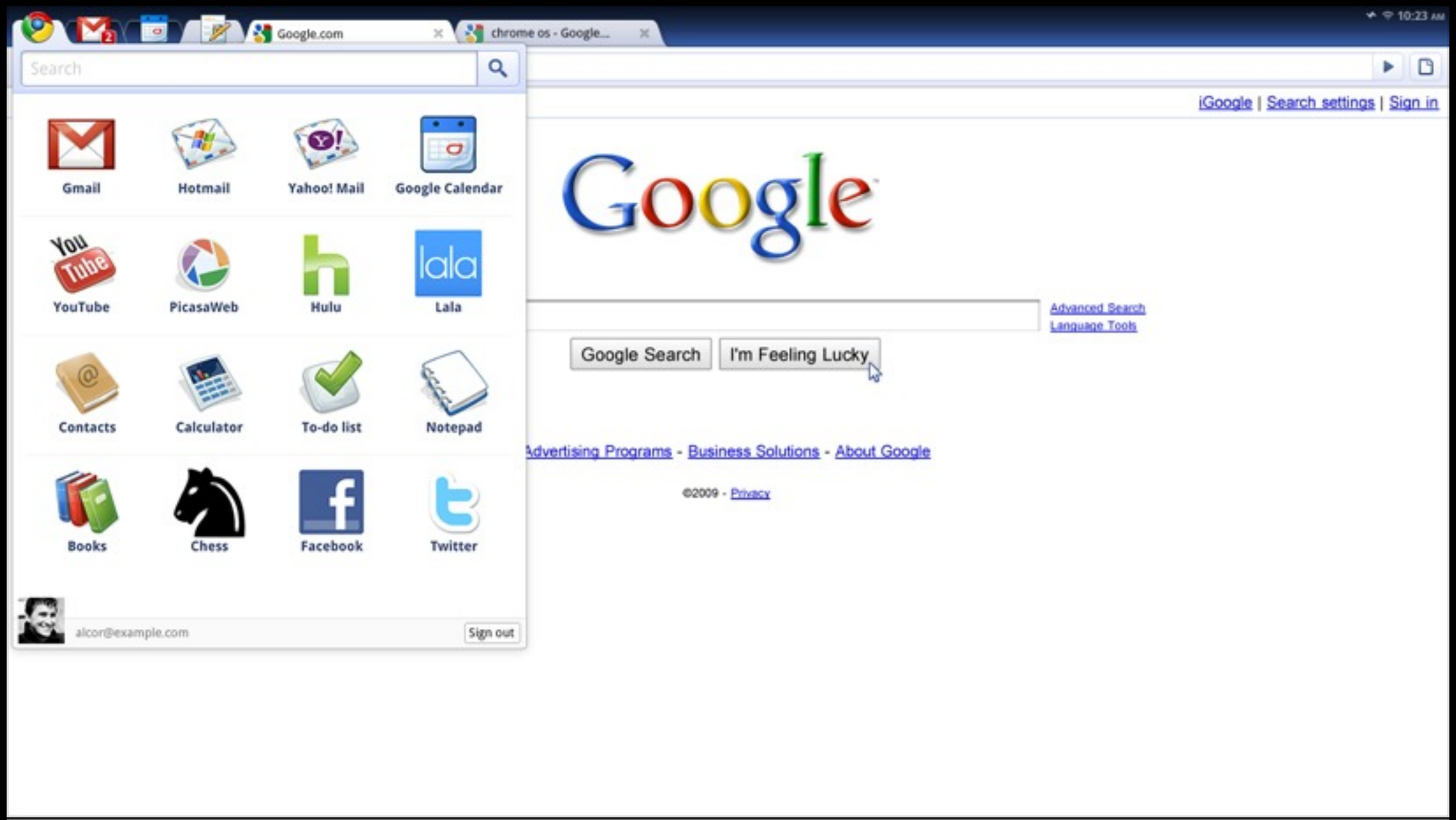
Examples:

- Pandora / last.fm
- Google Docs
- GMail/Hotmail/Messaging
- Flickr / Picasa

Examples:

- Pandora / last.fm
- Google Docs
- GMail/Hotmail/Messaging
- Flickr / Picasa
- even Instant Messaging.

Chrome OS


Google.com
chrome os - Google...
10:23 AM
Search
Gmail
Hotmail
Yahoo! Mail
Google Calendar
YouTube
PicasaWeb
Hulu
Lala
Contacts
Calculator
To-do list
Notepad
Books
Chess
Facebook
Twitter
alcor@example.com
Sign out
iGoogle | Search settings | Sign in
Google
Advanced Search
Language Tools
Google Search
I'm Feeling Lucky
Advertising Programs - Business Solutions - About Google
©2009 - Privacy

Chrome OS

Chrome OS

- Offline Support

Chrome OS

- Offline Support
- Native Code Support

Chrome OS

- Offline Support
- Native Code Support
- Notifications

Chrome OS

- Offline Support
- Native Code Support
- Notifications
- WebGL.

Google doesn´t think that native desktop app are
less important.

Google doesn´t think that native desktop app are less important.

Google think they are irrelevant in the next years.

Why ?

Survey
advantages

The advantages

The advantages

the biggest advantage (imho) of cloud computing for users would be ubiqious presense of applications and data.

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easy interaction
with other users

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data can be accessed from everywhere (PC, laptop, girlfriend latpop, www)

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You don't need to worry about losing your work if your machine crashes

data can be accessed from everywhere (PC, laptop, girlfriend latpop, www)

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The advantages

the biggest advantage (imho) of cloud computing for users would be ubiqious presense of applications and data.

You don't need to worry about losing your work if your machine crashes

You can delegate upgrades/backups to the service provider

data can be accessed from everywhere (PC, laptop, girlfriend latpop, www)

easy interaction with other users

The advantages

the biggest advantage (imho) of cloud computing for users would be ubiqious presense of applications and data.

No need to install software

You don't need to worry about losing your work if your machine crashes

You can delegate upgrades/backups to the service provider

data can be accessed from everywhere (PC, laptop, girlfriend latpop, www)

easy interaction with other users

So a shiny happy new world is coming ?

Is this trend good from a free software perspective ?

Where is the place for classic Desktop applications like KDE SC in 10 years ?

Survey
disadvantages

The disadvantages

The disadvantages

the security of your personal data. Where are your files stores? By whom? In which legislation.

The disadvantages

the security of your personal data. Where are your files stores? By whom? In which legislation.

user data might be not encrypted

The disadvantages

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dependency on 3rd party infrastructure
(hot spots, internet, lan)

The disadvantages

the security of your personal data. Where are your files stores? By whom? In which legislation.

WebApps are limited

user data might be not encrypted

dependency on 3rd party infrastructure
(hot spots, internet, lan)

What can we do about it?

Is it possible to combine
the best of both worlds?

Is it possible to combine the best of both worlds?

- rich desktop with rich applications instead of web apps

Is it possible to combine
the best of both worlds?

- rich desktop with rich applications instead of web apps
- social

Is it possible to combine the best of both worlds?

- rich desktop with rich applications instead of web apps
- social
- easy deployable

Is it possible to combine the best of both worlds?

- rich desktop with rich applications instead of web apps
- social
- easy deployable
- data under my control but accessable from every device.

What do we have to do?

What do we have to do?

1. Social

What do we have to do?

1. Social
2. Deployment / Access to applications

What do we have to do?

1. Social
2. Deployment / Access to applications
3. Access and sharing of data

I . Social

Social Desktop

Bringing Social Features to Desktop Applications

Social Desktop

Bringing Social Features to Desktop Applications

- finding other people

Social Desktop

Bringing Social Features to Desktop Applications

- finding other people
- friends

Social Desktop

Bringing Social Features to Desktop Applications

- finding other people
- friends
- groups

Social Desktop

Bringing Social Features to Desktop Applications

- finding other people
- friends
- groups
- messaging

Social Desktop

Bringing Social Features to Desktop Applications

- finding other people
- friends
- groups
- messaging
- newsfeed

Social Desktop

Bringing Social Features to Desktop Applications

- finding other people
- friends
- groups
- messaging
- newsfeed
- knowledge sharing

Social Desktop

Bringing Social Features to Desktop Applications

- finding other people
- friends
- groups
- messaging
- newsfeed
- knowledge sharing
- events.

Great progress in KDE SC 4.4

attica

attica

- handles the protocoll

attica

- handles the protocoll
- authentification

attica

- handles the protocoll
- authentification
- error handling

attica

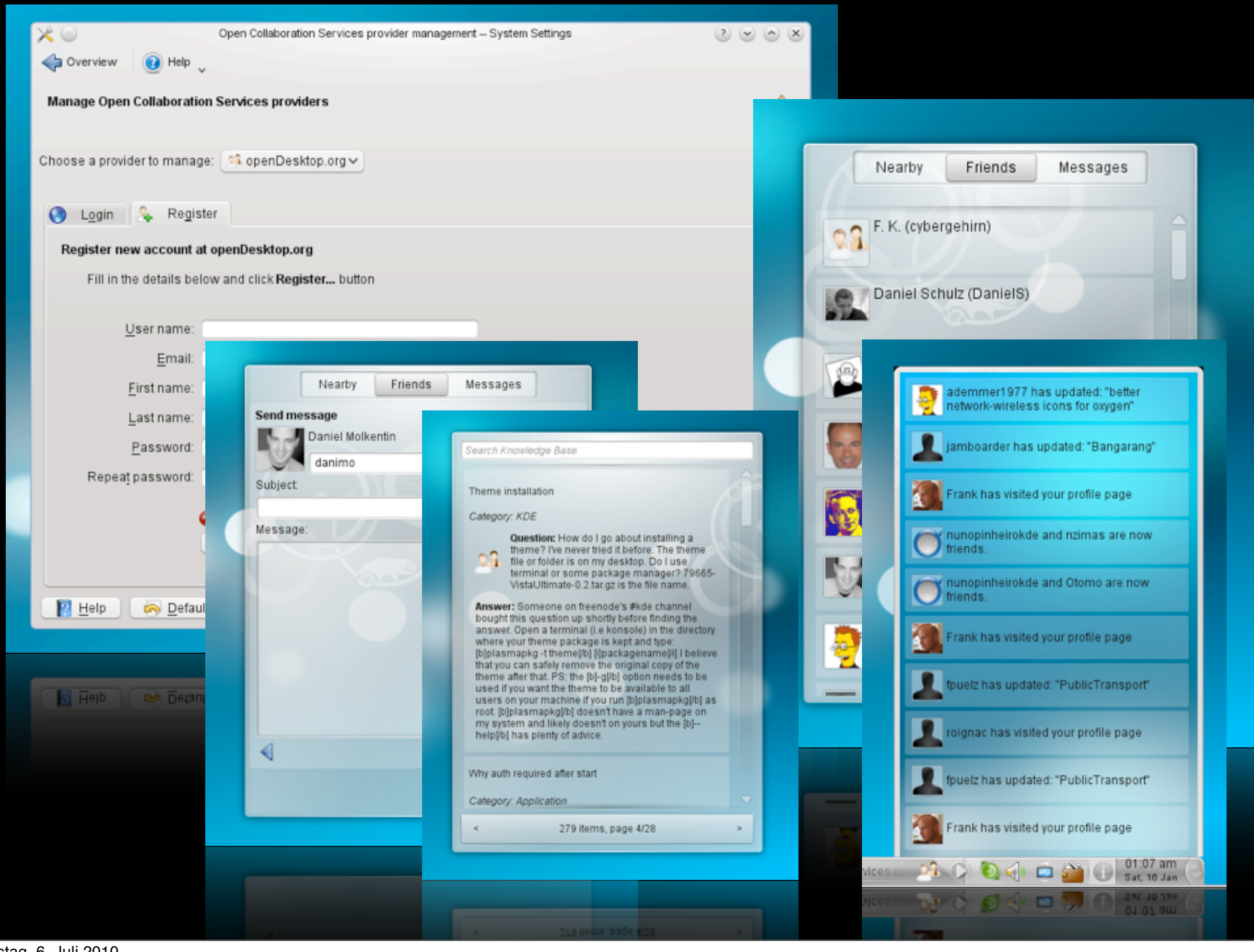
- handles the protocoll
- authentification
- error handling
- different data providers

attica

- handles the protocoll
- authentification
- error handling
- different data providers
- transparent access for all applications

attica

- handles the protocoll
- authentification
- error handling
- different data providers
- transparent access for all applications
- Qt only with optional KDE plugin.


Open Collaboration Services provider management – System Settings
Overview
Help
Manage Open Collaboration Services providers
Choose a provider to manage:
openDesktop.org
Login
Register
Register new account at openDesktop.org
Fill in the details below and click Register... button
User name:
Email:
First name:
Last name:
Password:
Repeat password:
Help
Nearby
Friends
Messages
Send message
Daniel Molkentin
danimo
Subject:
Message:
Search Knowledge Base
Theme installation
Category: KDE
Question: How do I go about installing a theme? I've never tried it before. The theme file or folder is on my desktop. Do I use terminal or some package manager? 79665-VistaUltimate-0.2.tar.gz is the file name.
Answer: Someone on freenode's #kde channel bought this question up shortly before finding the answer. Open a terminal (i.e konsole) in the directory where your theme package is kept and type: [b]plasmapkg -t theme[/b] [i]packagename[/i] I believe that you can safely remove the original copy of the theme after that. PS: the [b]-g[/b] option needs to be used if you want the theme to be available to all users on your machine if you run [b]plasmapkg[/b] as root. [b]plasmapkg[/b] doesn't have a man-page on my system and likely doesn't on yours but the [b]--help[/b] has plenty of advice.
Why auth required after start
Category: Application
279 items, page 4/28
Nearby
Friends
Messages
F. K. (cybergehirn)
Daniel Schulz (DanielS)
ademmer1977 has updated: "better network-wireless icons for oxygen"
jamboarder has updated: "Bangarang"
Frank has visited your profile page
nunopinheirokde and nzimas are now friends.
nunopinheirokde and Otomo are now friends.
Frank has visited your profile page
fpuelz has updated: "PublicTransport"
roignac has visited your profile page
fpuelz has updated: "PublicTransport"
Frank has visited your profile page
01:07 am
Sat, 16 Jan

Open-Collaboration-Services

Open-Collaboration-Services

- free specification

Open-Collaboration-Services

- free specification
- free server and client implementations

Open-Collaboration-Services

- free specification
- free server and client implementations
- forum.kde.org

Open-Collaboration-Services

- free specification
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- forum.kde.org
- MeeGo support

Open-Collaboration-Services

- free specification
- free server and client implementations
- forum.kde.org
- MeeGo support
- OpenOffice.org support.

Great Social Features

2. Deployable / Access to applications

Get Hot New Stuff

Get Hot New Stuff

- Access applications/scripts from everywhere

Get Hot New Stuff

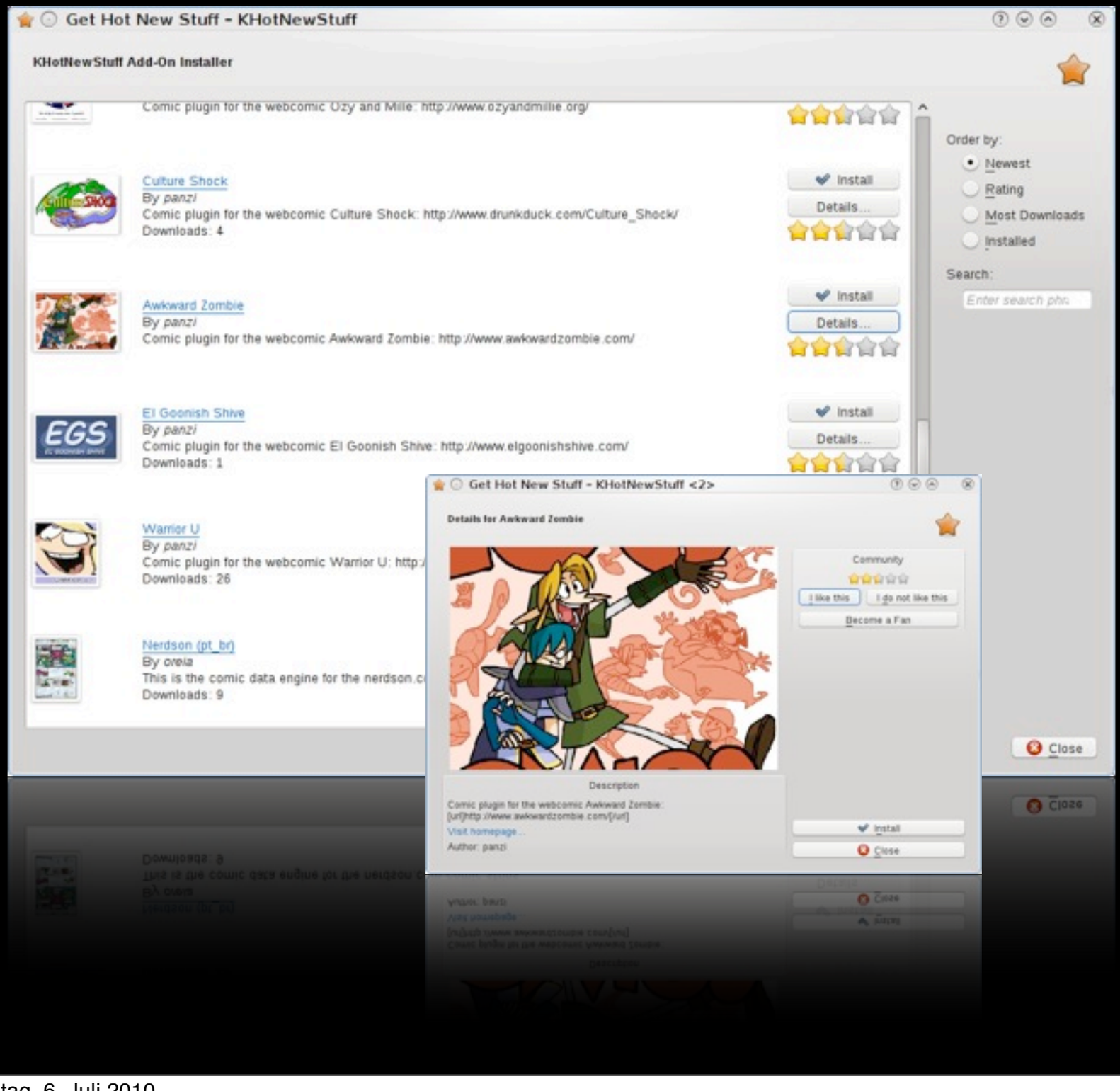
- Access applications/scripts from everywhere
- ghns 1 - KDE 3.x

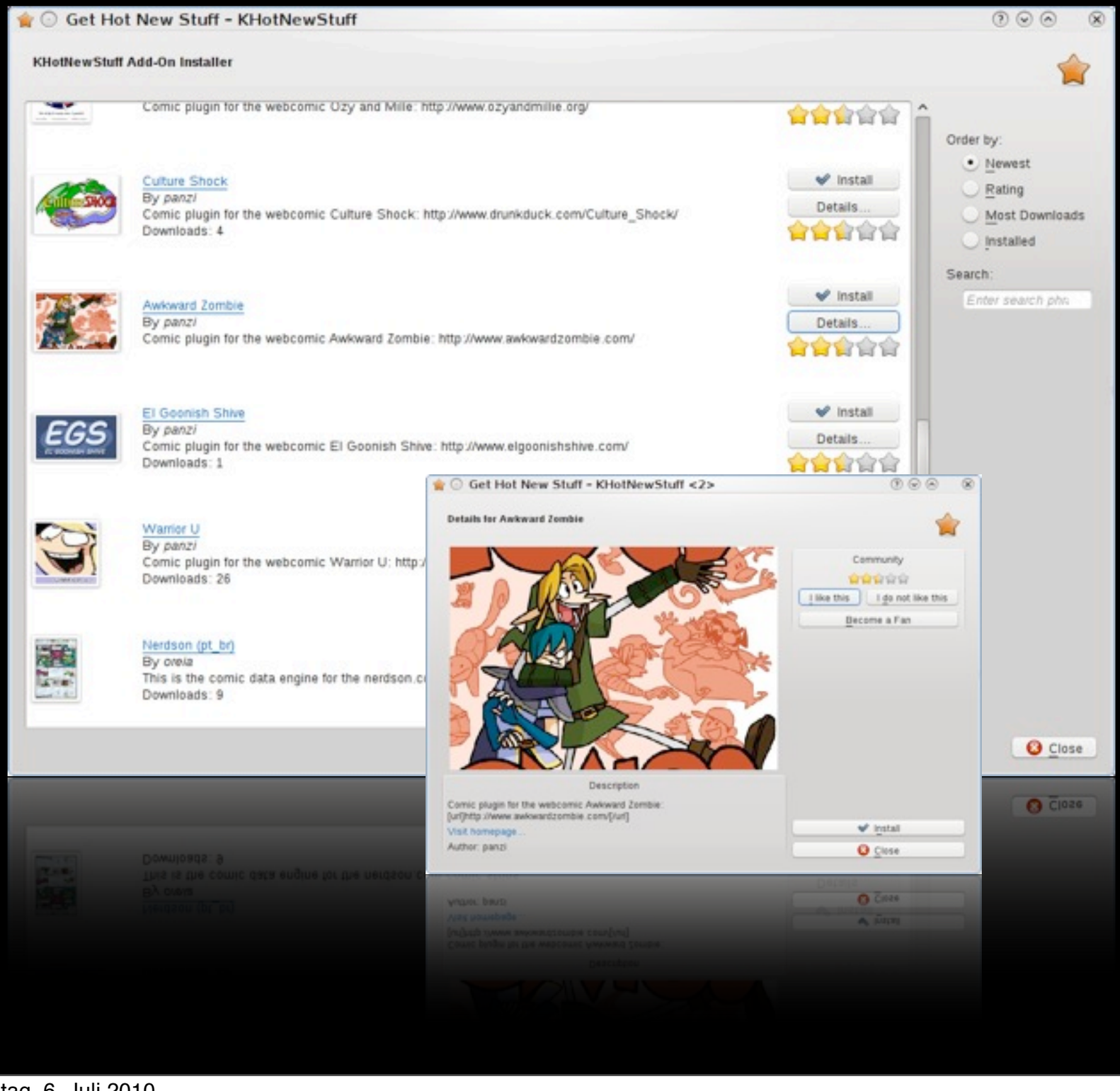
Get Hot New Stuff

- Access applications/scripts from everywhere
- ghns 1 - KDE 3.x
- ghns 2 - KDE 4.x

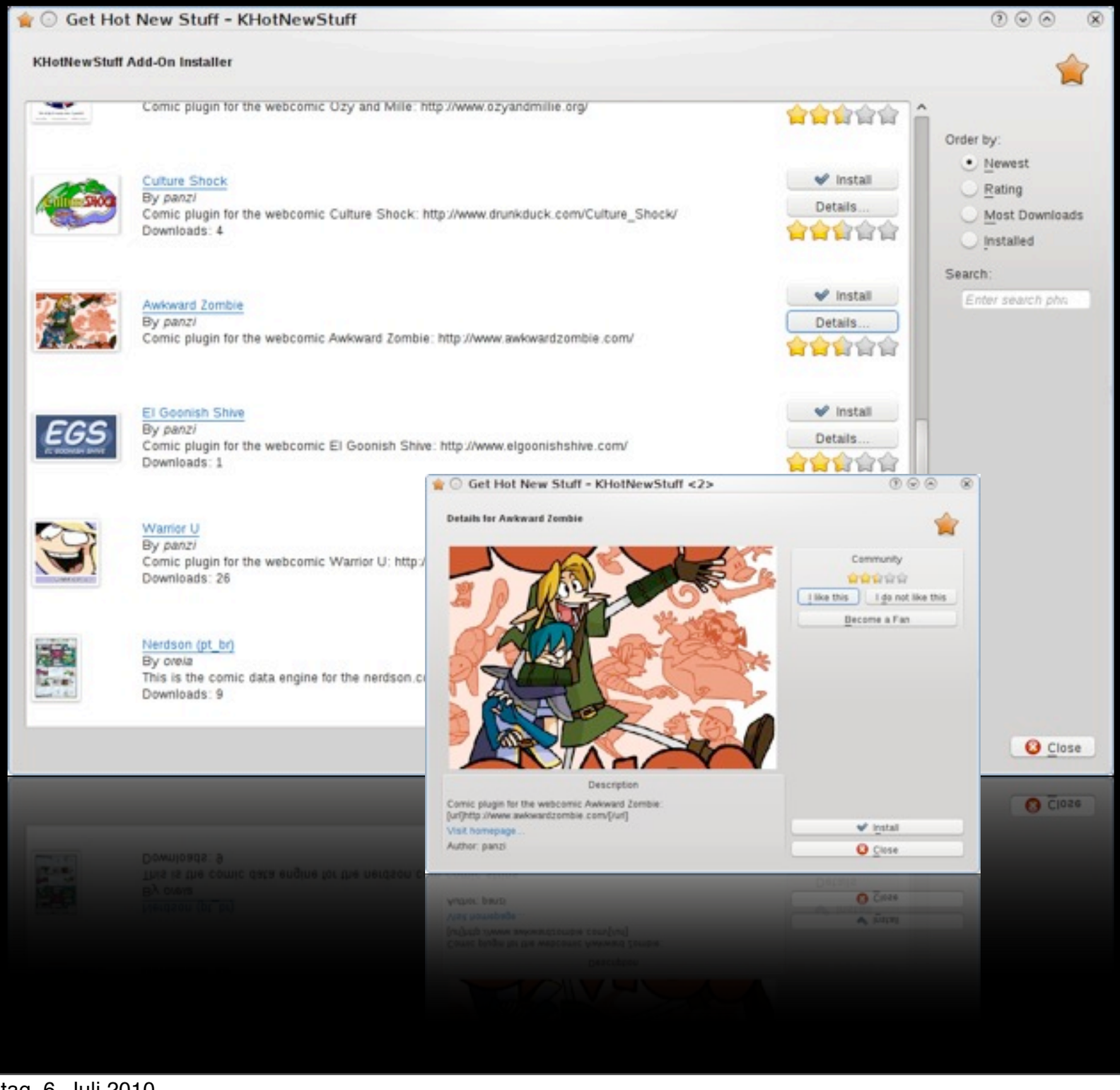
Get Hot New Stuff

- Access applications/scripts from everywhere
- ghns 1 - KDE 3.x
- ghns 2 - KDE 4.x
- ghns 3 - KDE 4.4

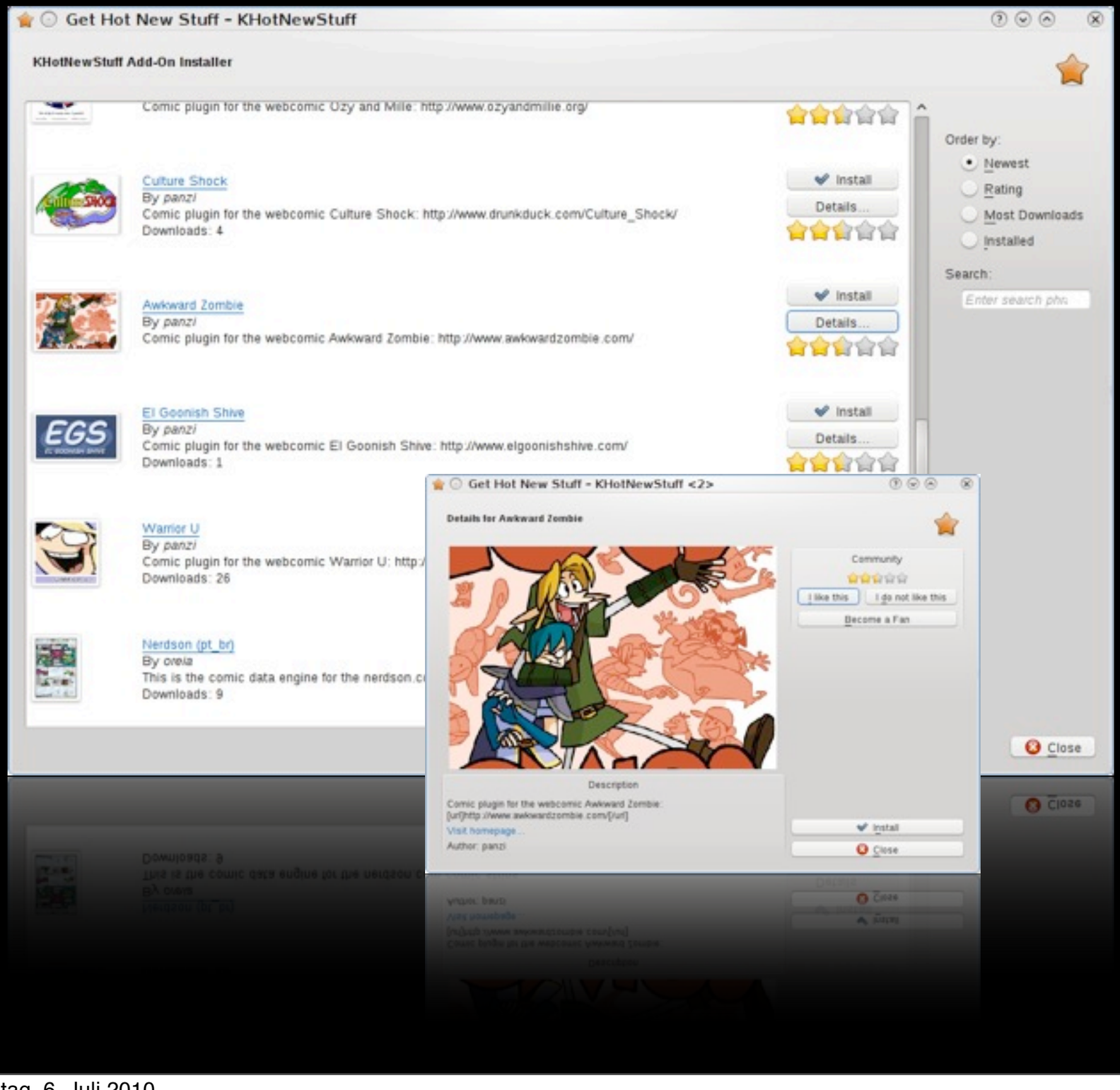

Get Hot New Stuff - KHotNewStuff
KHotNewStuff Add-On Installer
Comic plugin for the webcomic Ozy and Millie: http://www.ozyandmillie.org/
Culture Shock
By panzi
Comic plugin for the webcomic Culture Shock: http://www.drunkduck.com/Culture_Shock/
Downloads: 4
Install
Details...
Awkward Zombie
By panzi
Comic plugin for the webcomic Awkward Zombie: http://www.awkwardzombie.com/
Install
Details...
El Goonish Shive
By panzi
Comic plugin for the webcomic El Goonish Shive: http://www.elgoonishshive.com/
Downloads: 1
Install
Details...
Warrior U
By panzi
Comic plugin for the webcomic Warrior U: http:/
Downloads: 26
Nerdson (pt_br)
By oreia
This is the comic data engine for the nerdson.c
Downloads: 9
Order by:
Newest
Rating
Most Downloads
Installed
Search:
Enter search phr
Close
Get Hot New Stuff - KHotNewStuff <2>
Details for Awkward Zombie
Community
I like this
I do not like this
Become a Fan
Description
Comic plugin for the webcomic Awkward Zombie:
[url]http://www.awkwardzombie.com/[/url]
Visit homepage...
Author: panzi
Install
Close


Get Hot New Stuff - KHotNewStuff
KHotNewStuff Add-On Installer
Comic plugin for the webcomic Ozy and Millie: http://www.ozyandmillie.org/
Culture Shock
By panzi
Comic plugin for the webcomic Culture Shock: http://www.drunkduck.com/Culture_Shock/
Downloads: 4
Install
Details...
Awkward Zombie
By panzi
Comic plugin for the webcomic Awkward Zombie: http://www.awkwardzombie.com/
Install
Details...
El Goonish Shive
By panzi
Comic plugin for the webcomic El Goonish Shive: http://www.elgoonishshive.com/
Downloads: 1
Install
Details...
Warrior U
By panzi
Comic plugin for the webcomic Warrior U: http:/
Downloads: 26
Nerdson (pt_br)
By oreia
This is the comic data engine for the nerdson.c
Downloads: 9
Order by:
Newest
Rating
Most Downloads
Installed
Search:
Enter search phr
Close
Get Hot New Stuff - KHotNewStuff <2>
Details for Awkward Zombie
Community
I like this
I do not like this
Become a Fan
Description
Comic plugin for the webcomic Awkward Zombie:
[url]http://www.awkwardzombie.com/[/url]
Visit homepage...
Author: panzi
Install
Close

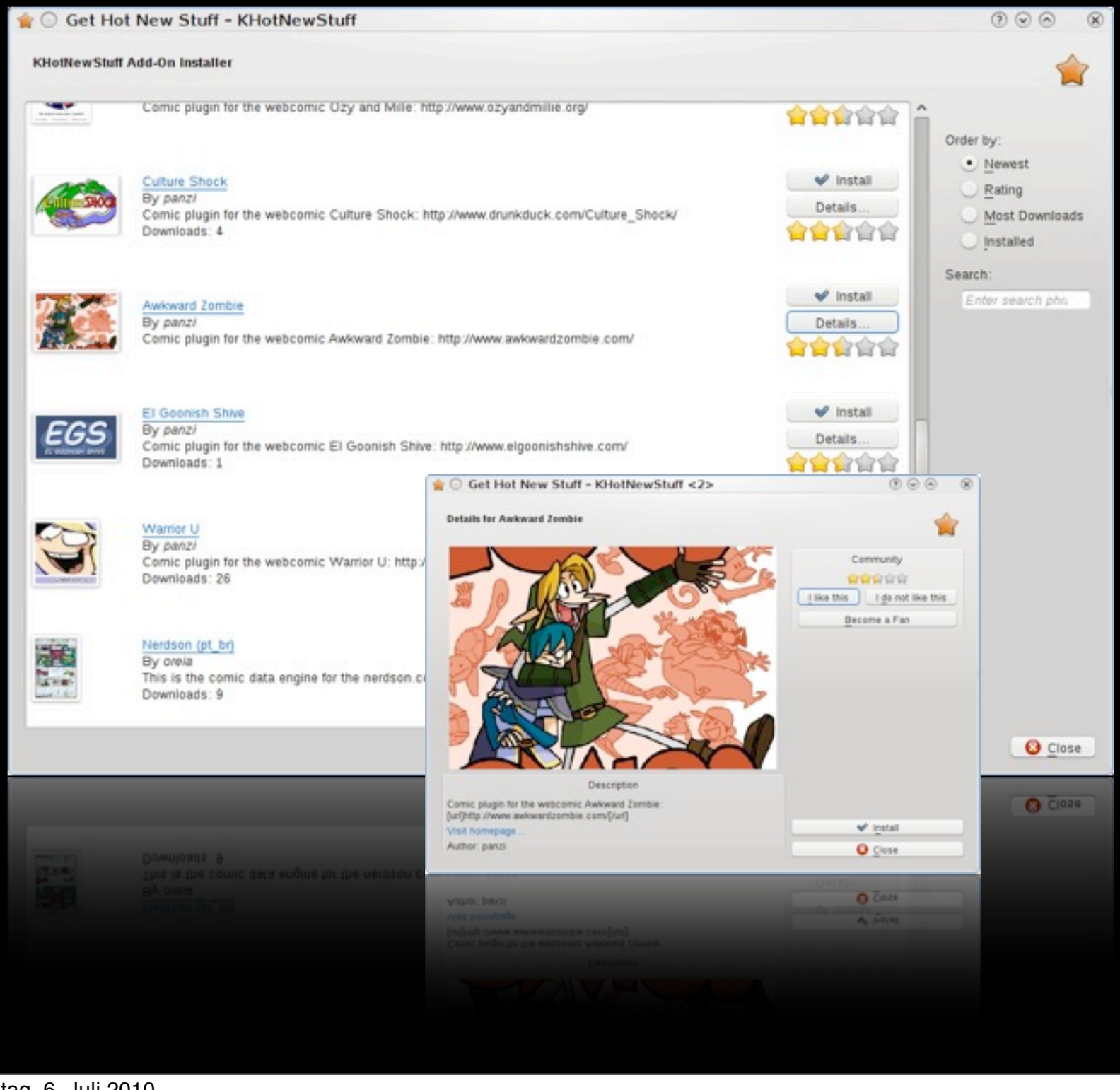
- full search



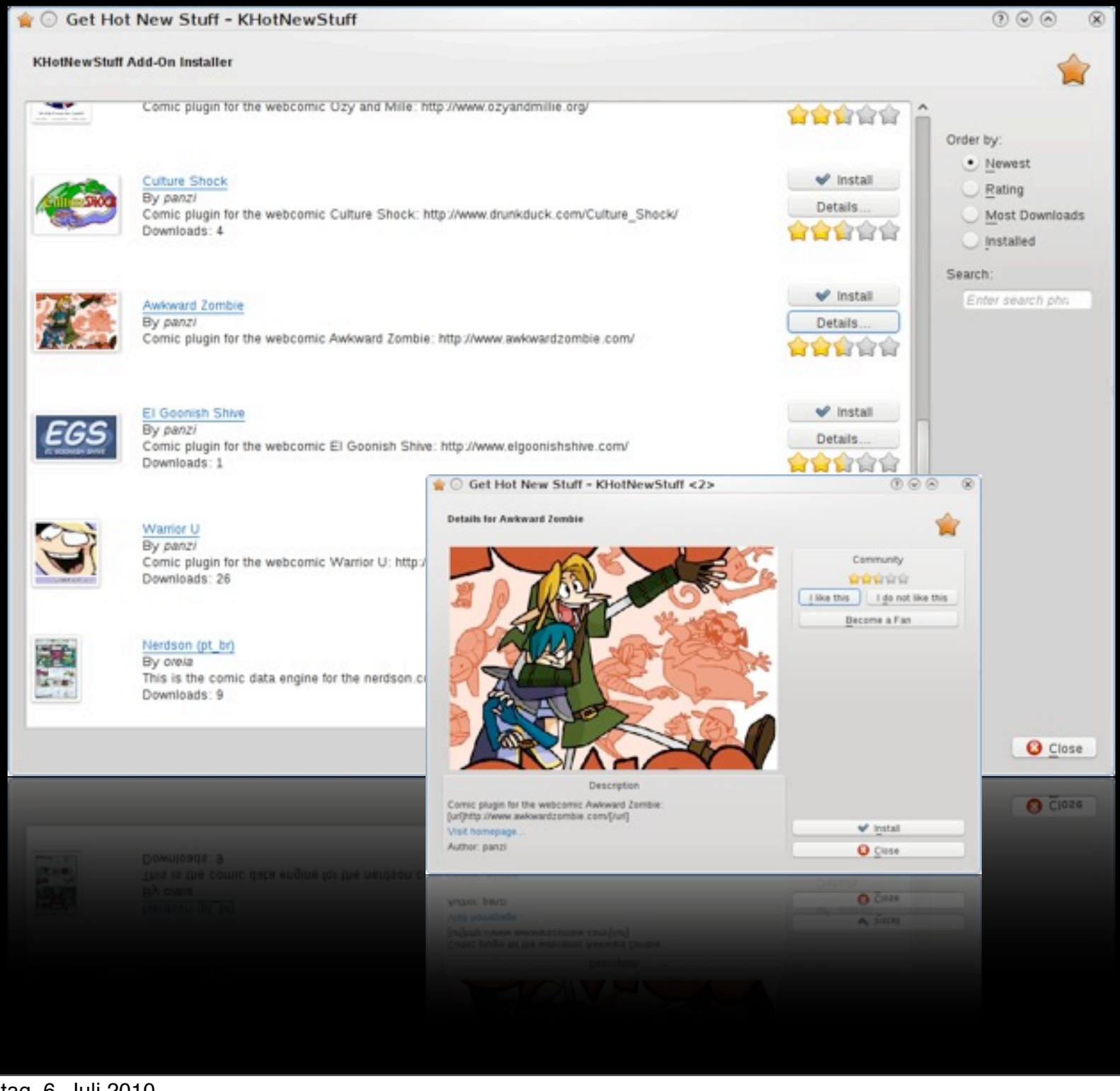
- full search
- screenshots



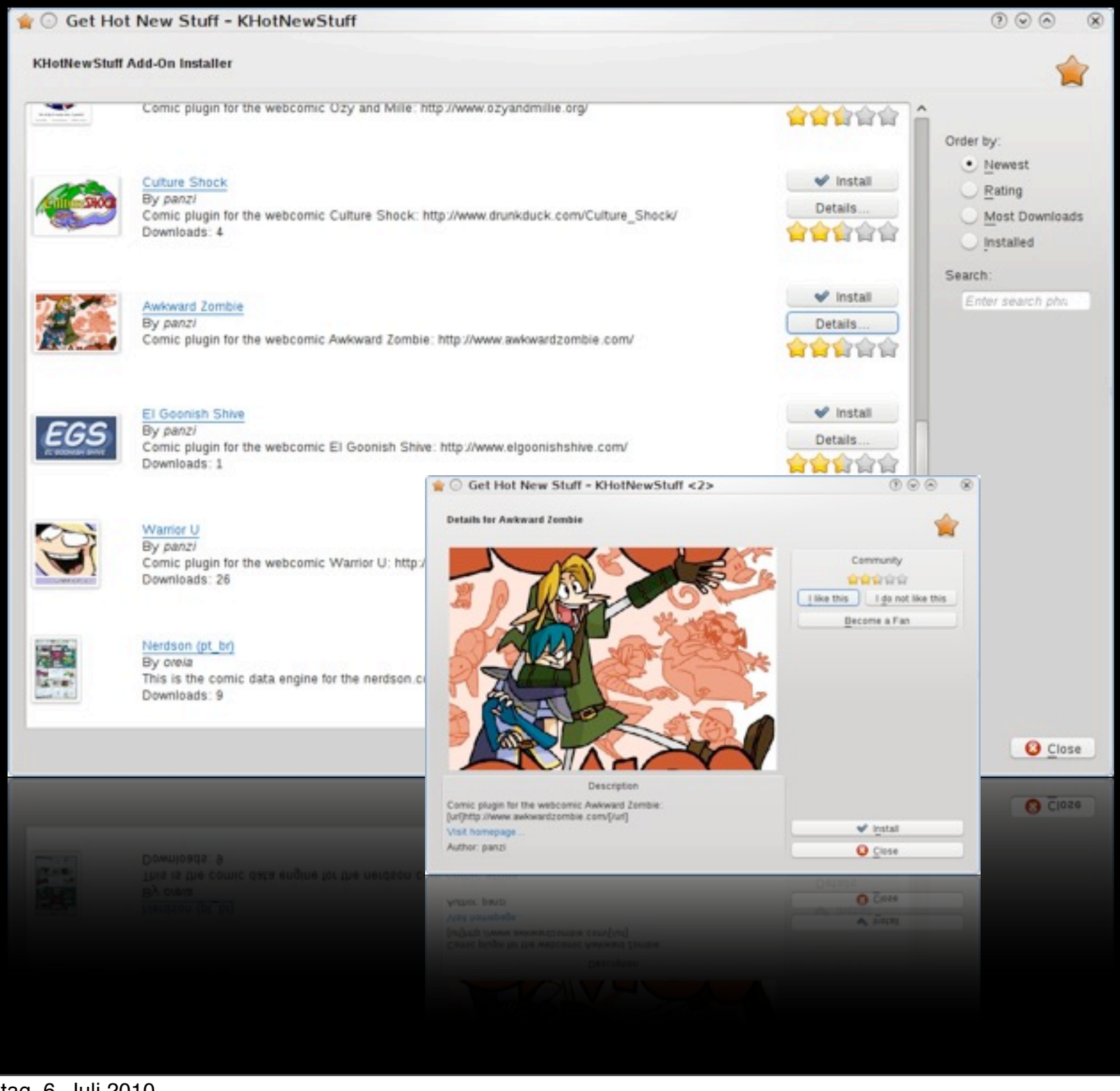
- full search
- screenshots
- descriptions



- full search
- screenshots
- descriptions
- updates



- full search
- screenshots
- descriptions
- updates
- voting



- full search
- screenshots
- descriptions
- updates
- voting
- become fan

Get Hot New Stuff

Get Hot New Stuff

- In App Downloads

Get Hot New Stuff

- In App Downloads
- App Installation

Get Hot New Stuff

- In App Downloads
- App Installation
- Integration with openSUSE Buildservice

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- Security is important partly unsolved

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- In App Downloads
- App Installation
- Integration with openSUSE Buildservice
- Integration with Qt Creator
- Integration with identi.ca/Twitter/Facebook
- Security is important partly unsolved
- Server Side Implementation Released

Get Hot New Stuff

- In App Downloads
- App Installation
- Integration with openSUSE Buildservice
- Integration with Qt Creator
- Integration with identi.ca/Twitter/Facebook
- Security is important partly unsolved
- Server Side Implementation Released
- Everybody is welcome to integrate existing Repos.

Hopefully this makes access to apps very easy in the future.

3. Access and sharing of data

Current storage solutions suck !

My requirements:

1. all data under my control.

2. access from everywhere and every device

2. access from everywhere and every device

- home desktop

2. access from everywhere and every device

- home desktop
- work desktop not running KDE

2. access from everywhere and every device

- home desktop
- work desktop not running KDE
- laptop

2. access from everywhere and every device

- home desktop
- work desktop not running KDE
- laptop
- netbook

2. access from everywhere and every device

- home desktop
- work desktop not running KDE
- laptop
- netbook
- internet cafe

2. access from everywhere and every device

- home desktop
- work desktop not running KDE
- laptop
- netbook
- internet cafe
- smartphone

3. online / offline

4. auto backup

5. versioning

6. encryption

7. easy sharing

8. easy extend storage

Example:

Example:

I´m working on my thesis

Example:

I´m working on my **thesis**
Always **accessible** from everywhere

Example:

I´m working on my **thesis**
Always **accessible** from everywhere
No more **copy** around usb devices

Example:

I´m working on my **thesis**
Always **accessible** from everywhere
No more **copy** around usb devices
Completely **secure**

Example:

I´m working on my **thesis**
Always **accessible** from everywhere
No more **copy** around usb devices
Completely **secure**
All changes are **versioned** and **backuped.**

Example:

Example:

my music accessible from everywhere

Example:

my music accessible from everywhere
even if the collection is to big to fit on a netbook

Example:

my music **accessible** from everywhere
even if the collection is to big to fit on a **netbook**
share a part of the music with a friend.

Example:

Example:

A KDE developer sprint needs a shared storage to exchange documents

Example:

Example:

Send my parents a read only link to my holiday pictures folder

2010 and still

difficult

A solution for this:


owncloud

License: AGPL

Package you can install on:

Package you can install on:

- your own root server

Package you can install on:

- your own root server
- you home PC (and use dyndns or something)

Package you can install on:

- your own root server
- you home PC (and use dyndns or something)
- on your company server

Package you can install on:

- your own root server
- you home PC (and use dyndns or something)
- on your company server
- rent from a company if somebody provides the service

Package you can install on:

- your own root server
- you home PC (and use dyndns or something)
- on your company server
- rent from a company if somebody provides the service
- Appliance.

Access

Access

- access the files via a browser

Access

- access the files via a **browser**
- **mount** via webDAV

Access

- access the files via a **browser**
- **mount** via webDAV
- works on Mac, Windows, **Linux** (fuse, kio)

Access

- access the files via a **browser**
- **mount** via webDAV
- works on Mac, Windows, **Linux** (fuse, kio)
- **syncing** via a small client side application.

Backup

Backup

- Automatically **copy** to a second device on save

Backup

- Automatically **copy** to a second device on save
- harddisc

Backup

- Automatically **copy** to a second device on save
- harddisc
- second server.

Versioning

Versioning

- subversion

Versioning

- subversion
- git

Versioning

- subversion
- git
- hardlinks

Encryption

Encryption

- GPG

Encryption

- GPG
- SSL

Sharing

Sharing

- send an email with a webdav link and a ID

Sharing

- send an email with a webdav link and a ID
- read/write support

Sharing

- send an email with a webdav link and a ID
- read/write support
- expire

Sharing

- send an email with a webdav link and a ID
- read/write support
- expire
- only one file or directory.

Notification

Notification

- Somebody shares something with you

Notification

- Somebody **shares** something with you
- Somebody **edited/created/deleted** something

Notification

- Somebody **shares** something with you
- Somebody **edited/created/deleted** something
- Storage **full**.


ownCloud

What do we have today?

Timeline

Timeline

version 1.0

Timeline

version 1.0

- webinterface

Timeline

version 1.0

- webinterface
- webdav mount

Timeline

version 1.0

- webinterface
- webdav mount
- notification

Timeline

version 1.0

- webinterface
- webdav mount
- notification
- released

Timeline

version 1.0

- webinterface
- webdav mount
- notification
- released

version 1.1

Timeline

version 1.0
- webinterface
- webdav mount
- notification
- released

version 1.1
- Sharing

Timeline

version 1.0
- webinterface
- webdav mount
- notification
- released

version 1.1
- Sharing
- Encryption

Timeline

version 1.0
- webinterface
- webdav mount
- notification
- released

version 1.1
- Sharing
- Encryption
- Storing of KDE config data

Timeline

version 1.0
- webinterface
- webdav mount
- notification
- released

version 1.1
- Sharing
- Encryption
- Storing of KDE config data
- Plugins: Media, Photo-gallery, ...

Timeline

version 1.0
- webinterface
- webdav mount
- notification
- released

version 1.1
- Sharing
- Encryption
- Storing of KDE config data
- Plugins: Media, Photo-gallery, ...
- Aug 2010

Timeline

version 1.0
- webinterface
- webdav mount
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version 1.1
- Sharing
- Encryption
- Storing of KDE config data
- Plugins: Media, Photo-gallery, ...
- Aug 2010

version 2.0

Timeline

version 1.0
- webinterface
- webdav mount
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version 2.0
- versioning

Timeline

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- Aug 2010

version 2.0
- versioning
- backup

Timeline

version 1.0
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version 2.0
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Timeline

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- webinterface
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- notification
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version 1.1
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- Encryption
- Storing of KDE config data
- Plugins: Media, Photo-gallery, ...
- Aug 2010

version 2.0
- versioning
- backup
- syncing
- end of 2010

Thanks to all contributors !!

Help if welcome

- gitourious: http://gitorious.org/owncloud
- wiki: http://ownCloud.org
- BOF on Thursday (or earlier)

Summary

KDE has **superior** Desktop technology and applications.
If we **combine** this with ideas from cloud computing we have a **fast, secure, and powerful** desktop with great **social,** and **data/app sharing** features we will **rock!**

Questions ?

Thank you

Frank Karlitschek
karlitschek@kde.org
blog.karlitschek.de
twitter.com/fkarlitschek