



KDE4



KDE4

The Future of the Free Desktop



KDE4



Sebastian Kügler

- KDE since 2004
- Guidance sysadmin tools
- Marketing Working Group
- KDE e.V. Board of Directors
- University Researcher,
CodeYard, QA for KDE



KDE4



KDE 4 Status



- Release first half of 2007
- Base technology is shaping up nicely
- Right now it's an ugly KDE3

- **It's the right time for application developer to get their hands dirty!**



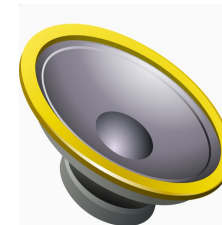
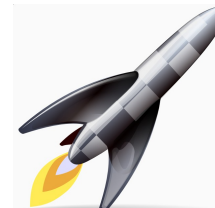
KDE4



Pillars of KDE4



Phonon, Solid, DBus
Akonadi, ThreadWeaver
Qt4, Plasma, and





KDE4



Visuals: Qt4



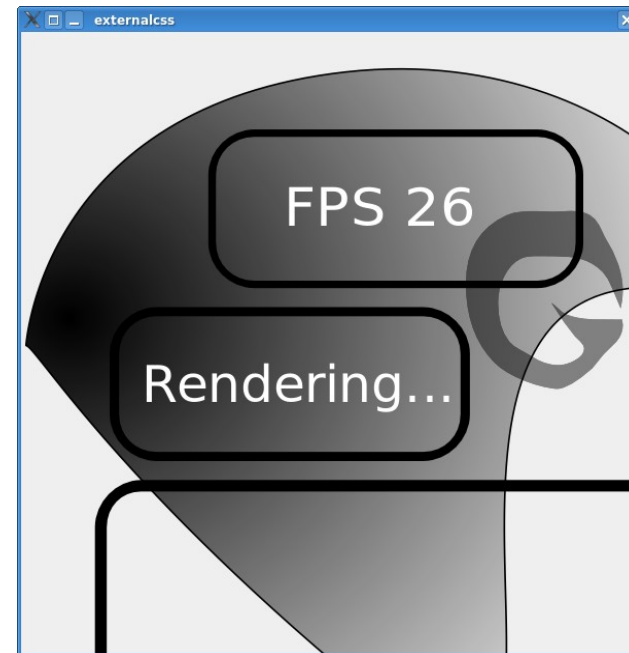
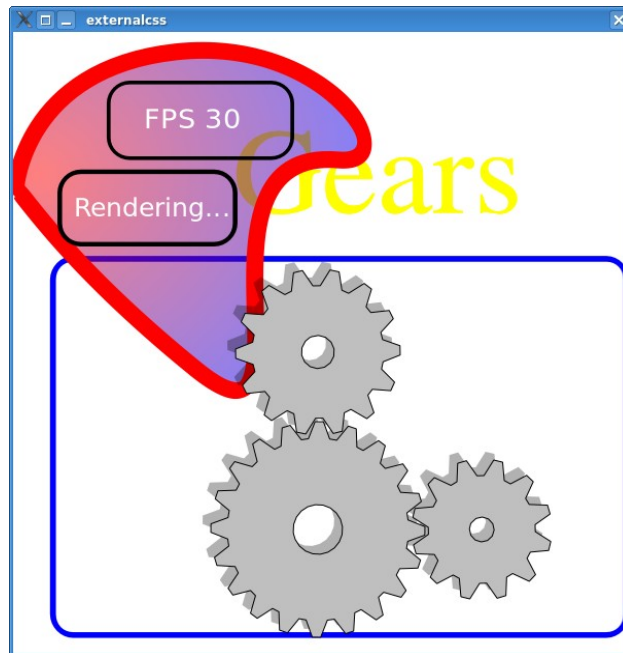
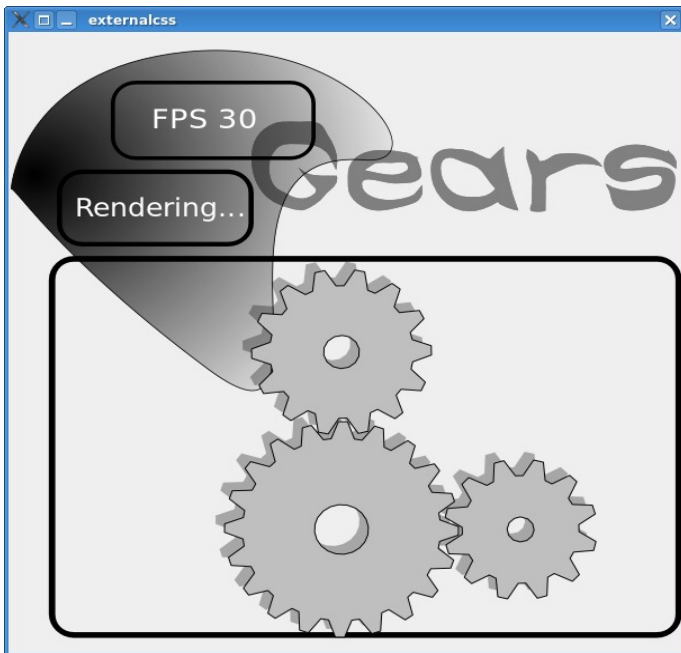
- Arthur painting engine
- Model-View
- QGraphicsView
- SVG + Antialiasing
- styles ...



KDE4



Qt4: Stylesheets



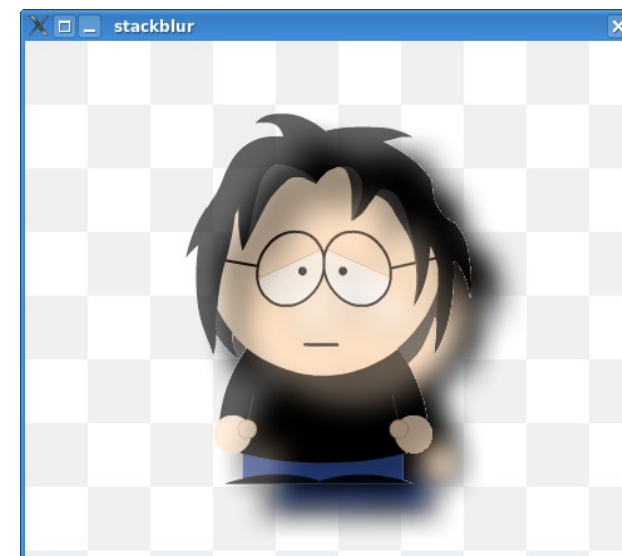
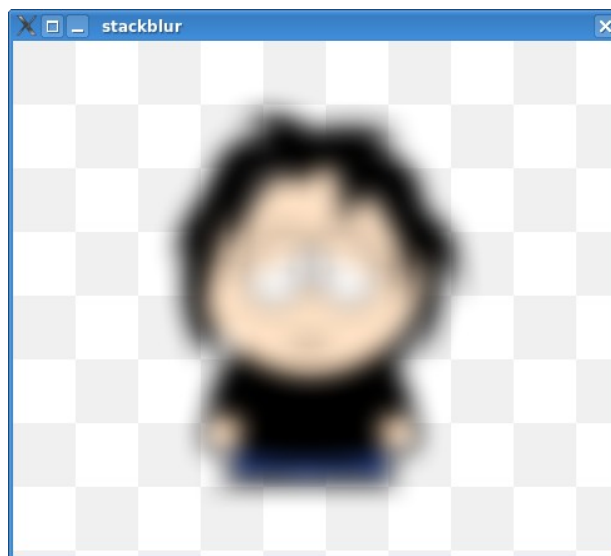
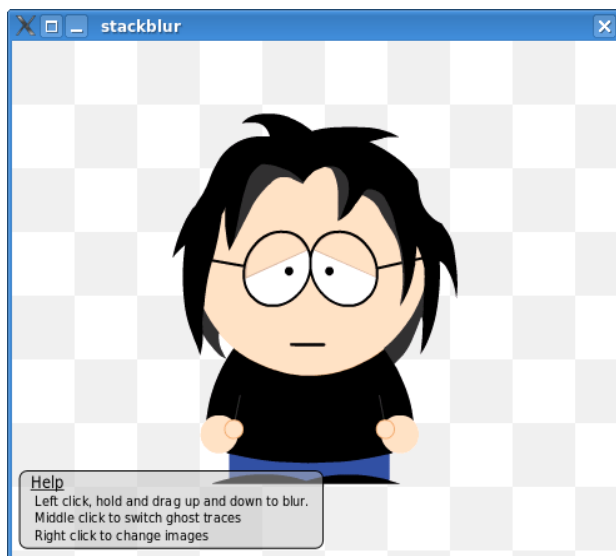
Zack's Blog: <http://zrusin.blogspot.com>



KDE4



Qt4: Effecten



Zack's Blog: <http://zrusin.blogspot.com>

Sebastian Kügler <sebas@kde.org>, Linuxbijeekomst 2006



KDE4



Oxygen-Icons



<http://www.oxygen-icons.org>



KDE4



Oxygen-Icons



<http://www.oxygen-icons.org>



KDE4



Oxygen-Icons



<http://www.oxygen-icons.org>



KDE4



Oxygen-Icons



<http://www.oxygen-icons.org>



KDE4



Oxygen-Icons



<http://www.oxygen-icons.org>



KDE4



Oxygen-Icons



<http://www.oxygen-icons.org>



KDE4



Akonadi – The PIM storage service

“We intend to design an extensible cross-desktop storage service for PIM data and meta data providing concurrent read, write, and query access. It will provide unique desktop wide object identification and retrieval.”

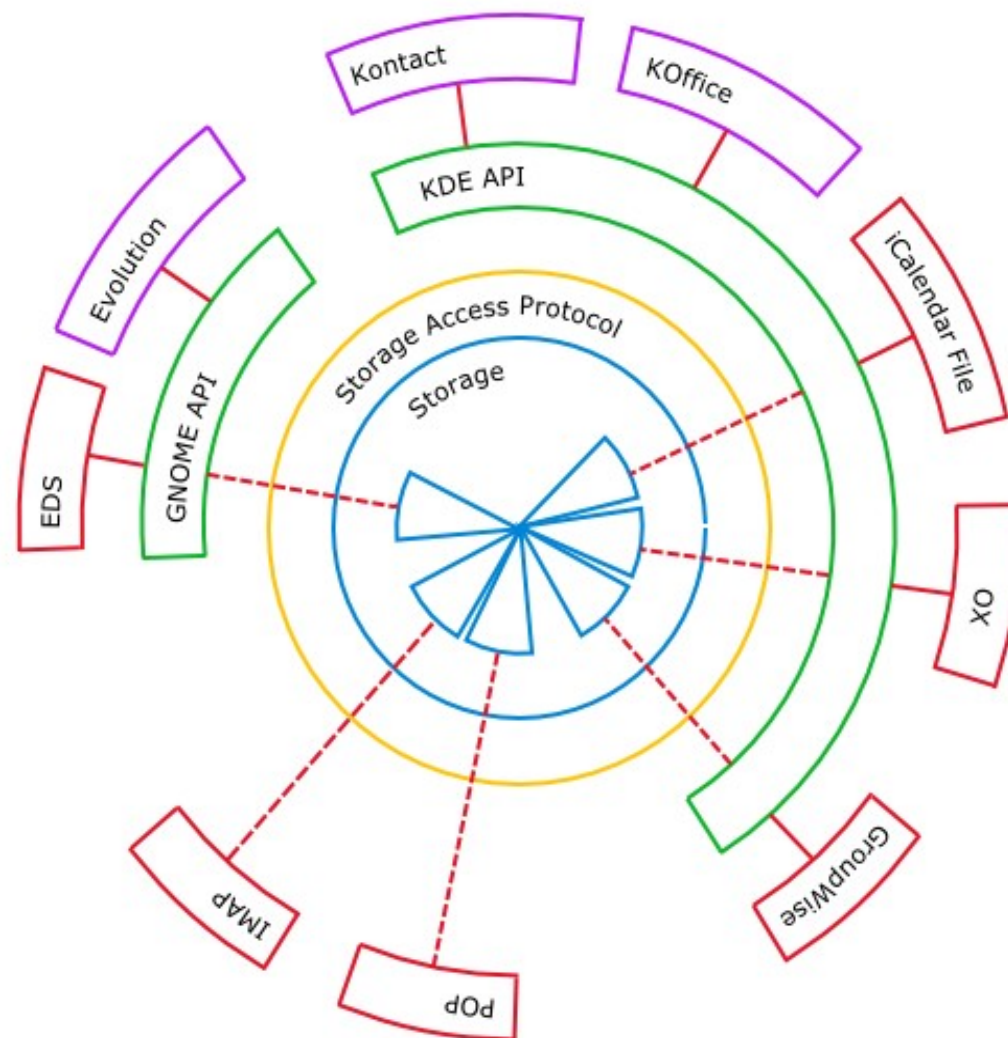
(next slide has an image! :-))



KDE4



Akonadi





KDE4



ThreadWeaver

- *Job queue*
- *Makes multithreading easier*
- *Makes applications (appear) fast, especially on SMP*
- *Signals across Threads*
- *In kdelibs since aKademy*



KDE4



DBus: Cross Desktop Messaging

“D-Bus is a message bus system, a simple way for applications to talk to one another.”

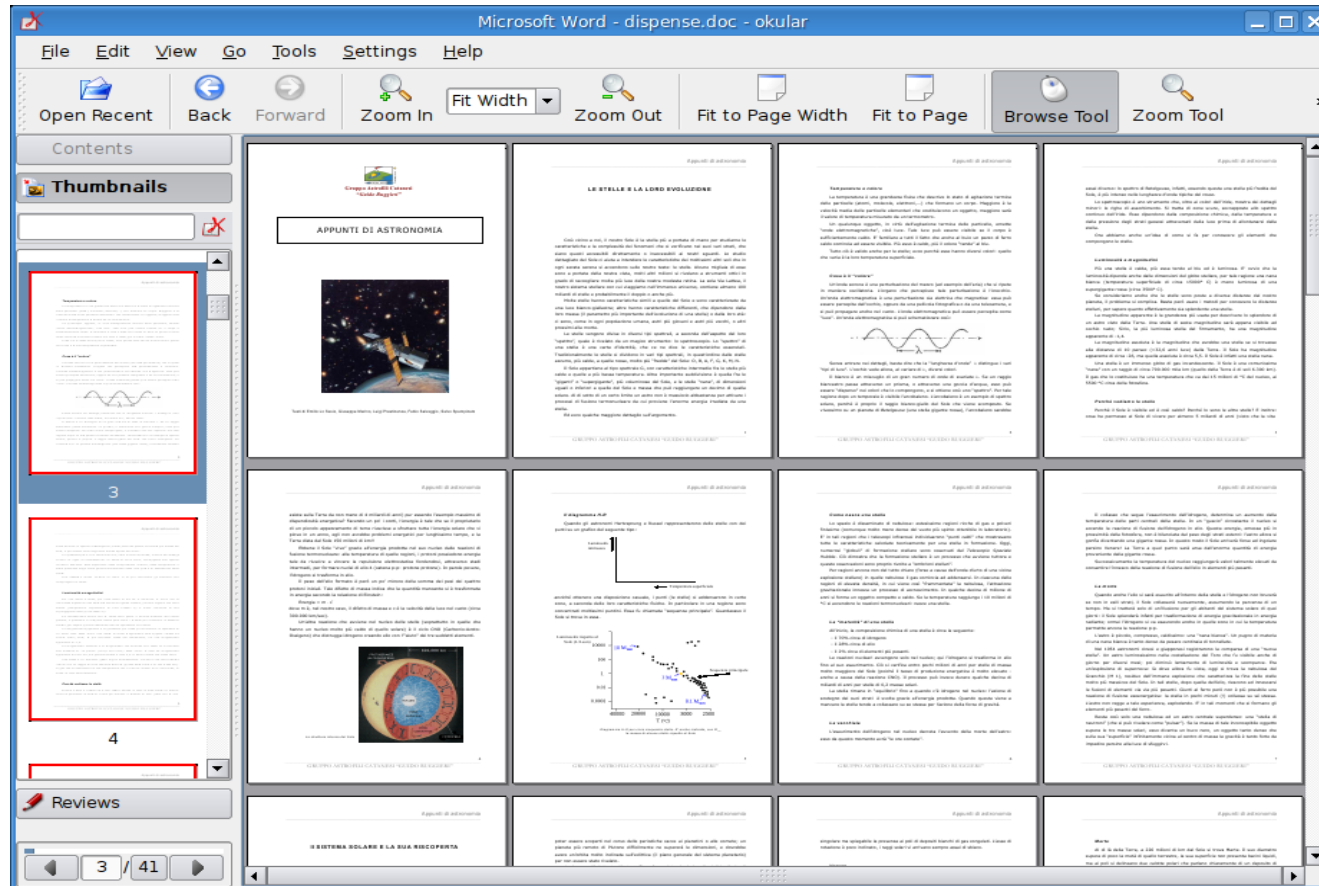
- Makes communication between GNOME and KDE apps possible
- HAL uses it for example
- John Palmieri is a nice guy



KDE4



oKular - The Universal Viewer

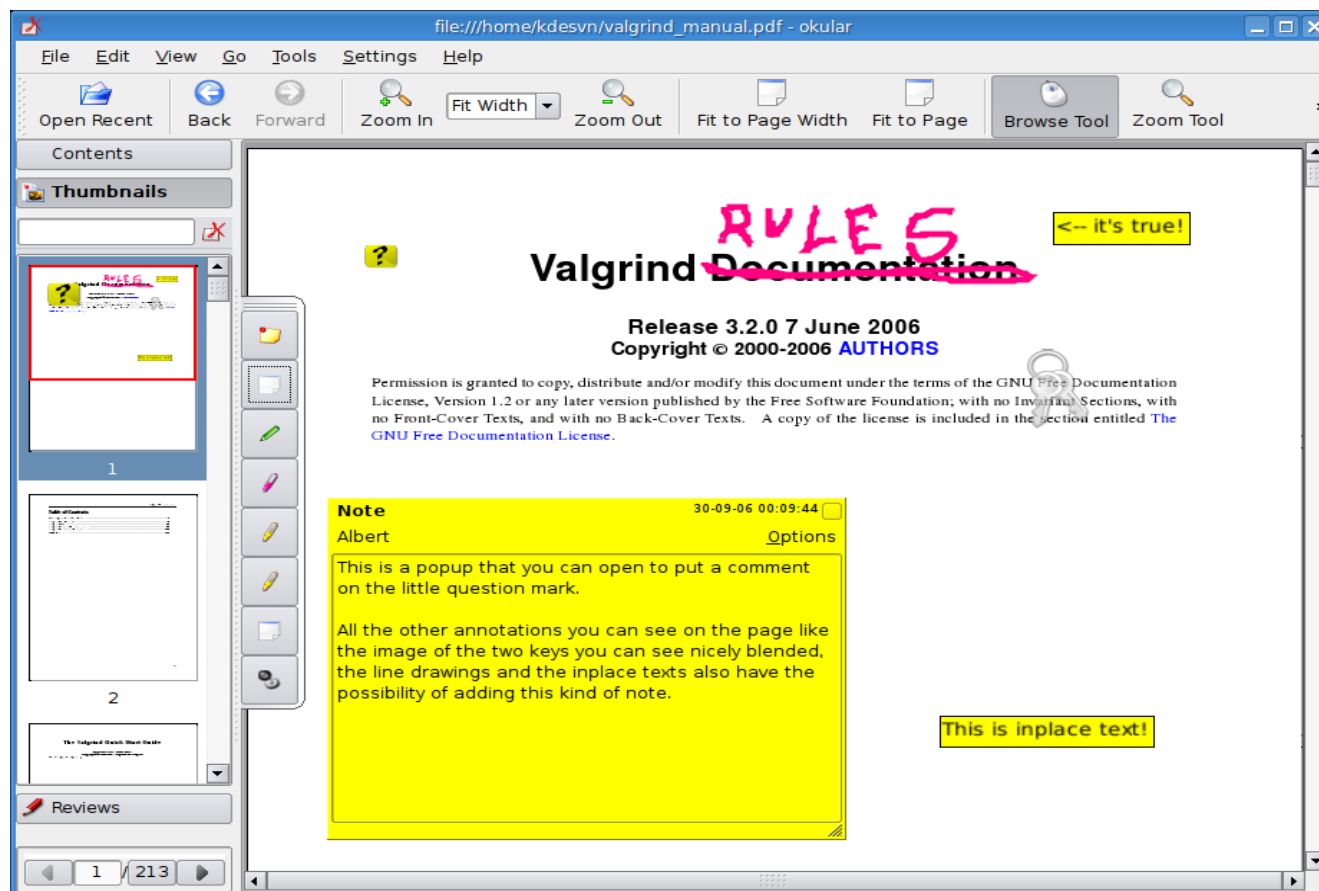




KDE4



oKular – The Universal Viewer

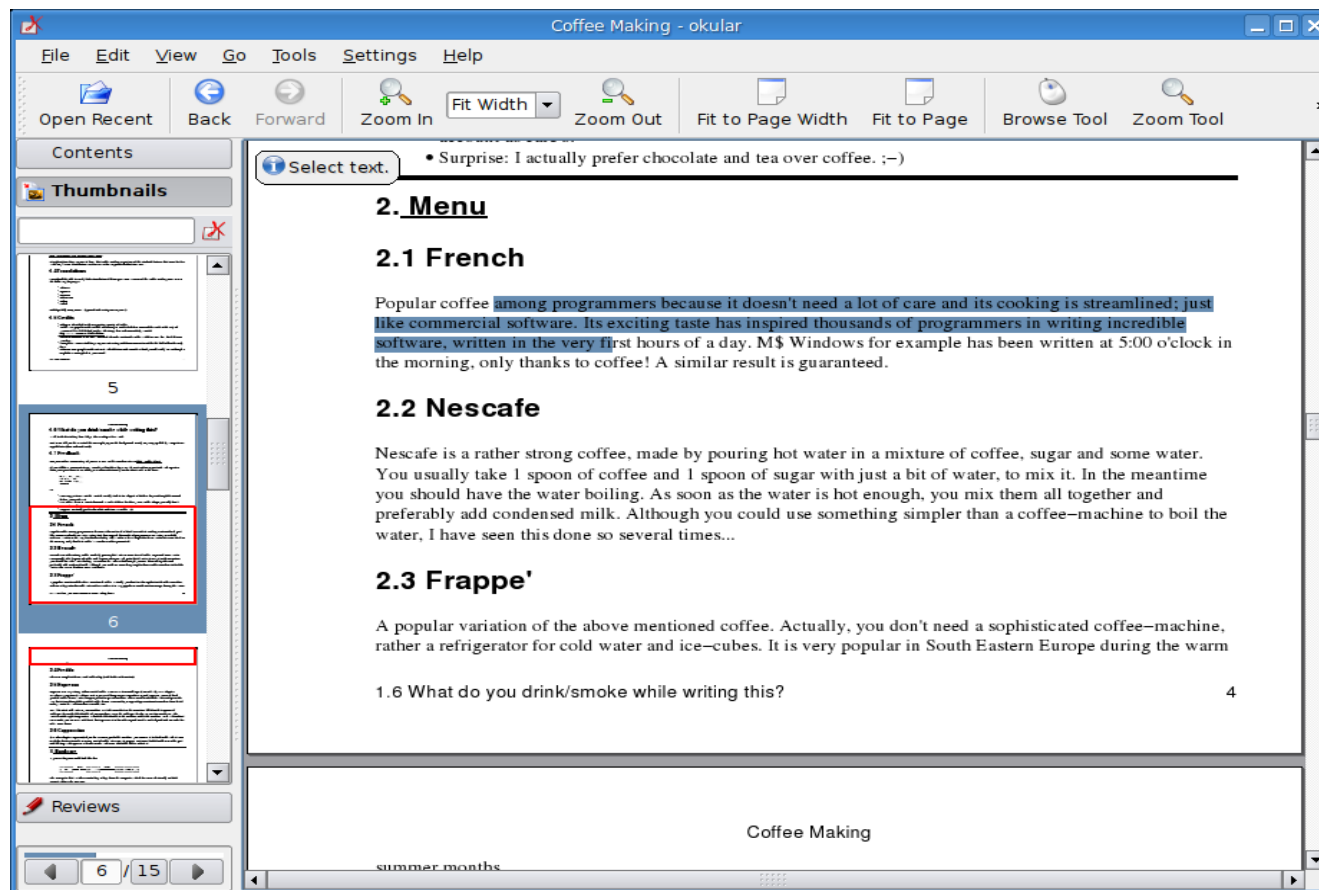




KDE4



oKular – The Universal Viewer





KDE4



Solid

- Hardware discovery, Power & Network management
- Provides information needed to access the device (not the mechanics to do so)
- Make power management easy
- Provide a set of simple actions
- Allow state change notifications
- Based on HAL





KDE4



Phonon: KDE4 Multimedia

- Easy Multimedia development
- *“Just works”*
- Gapless playback, (cross)fades
- Equalizer
- Video brightness and contrast controls
- Audio visualizations
- MediaQueue
- Different backends (Gstreamer, NMM, ...)





KDE4



Plasma



- Desktop is from 1984
- Panel is from ~1990
- Efficient, organic, beautiful
- Applets scriptable
- SuperKaramba is just the beginning ...



KDE4



Usability:

Human Interface Guidelines

- Usability by experts, rather than by guessing
- Consistent user interface
- Intuitive user interface
- Usability is now an “embedded process”
- OpenUsability rocks!



OpenUsability



KDE4



Konqi wants you!



- Code
- Promotion
- Documentation
- Translation
- User Support
- Artwork
- Event Organisation
- Sponsoring
- . . .



KDE4



Konqi wants you!



IRC

`irc.freenode.net #kde-nl`

Mailinglist

`kde-i18n-nl@kde.org`



KDE4



Finis.



KDE4



or `init()` ?