Thank you for coming

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Please turn off all mobile phones.

Turn off phones completely as even in silent mode, phones can interfere with the sound system
spectaKle - Digital signage platform

http://www.spectakle.org
aseigo's keynote: KDE = Desktop apps
We are at cross-desktop room

spectaKle
  is not a desktop app
  is not for the home user
  is not for the enterprise user

spectaKle is a niche app for embedded* devices

* Usually COTS hardware in a nice case, Amino being the exception
Signage

Show contents/messages in a screen or surface

Static
Digital signage
  Signage + real time updates

- Dynamic: contents may be changed at any moment in time
- "embedded": COTS computers usually involved
- Niche market: hotels, hospitals, train stations, airports... (not for home users)
Examples of DS spectaKle
Base software:
- Expensive
- Does almost nothing
- Zillions of modules needed for feature-complete solution

Customization (feature additions):
- They will only add small features, if at all (true lived nightmare: add VoIP)
- Very expensive (tens of thousands €)
- It can take up to 6 months (!)
- Control of multiple screens at multiple locations

- Play video, slideshows or webpages

- Schedule content to be shown at a certain time or date

- Give directions, room layouts and room booking or usage information

- Easy to extend with plugins
- Client-server architecture
- Administration & playlist creation: webapp
- Some helper tools, no really needed
- Server distributes contents to clients
- No DRM: data transfer security relies on the network (hint: 802.1q VLAN)
- Working on Active Directory authentication/authorization for the admin webapp
How does it work?

spectaKle

SPK DIRECTOR (WEBAPP)
WEB BROWSER
OS

HTTP

SPK CORE SERVER
RAYS
OS (UNIX/LINUX)

LORAY

NETWORK

SPECTAKLE

LORAY = FTP-LIKE PROTOCOL

SPK PLAYER

SPK PROMPTER
OS (UNIX/LINUX)

KDE

aKademy 2006
- AJAX webapp

- Painful: it's nice but it's proving to be more difficult than expected (f.i. file uploads)

- Why webapp? It was demanded by some potential customers
- Slideshows: OpenDocument (patched KPresenter part)
- Video: *ugly* KProcess launching mplayer (will be replaced by Phonon)
- Webs: KHTML-based kiosk browser
- Some more plugins on the works (passive popups for out-of-band warnings, picture slideshow, etc)
- Easy to develop thanks to KParts => No idea how to achieve this with GNOME (do they have a real component architecture???)
spectaKle Display Editor
Simple tool to create files describing screen features (resolution, etc)

spectaKle Encoding Tools
Wizard for video encoding (advice is based on the target-display settings from sDE)
Mostly tied on features with DZine (but 2,000€ cheaper per client)

Passive users ("no" interaction)

Good for a museum/gallery

As of now, client is difficult to set up

Needs testing

I'm behind of schedule (main stopper: Rails-based admin app)
Not KDE-related:
- Video on demand
- Pre/post payment with single wallet
- Kiosk browser (just lock down current browser)

KDE-related:
- Phonon-based video player (2.0)
- Tenor-based communication (2.0?)
- VoIP using Decibel (3.0)
- Customized, minimal Linux/KDE distribution
Joel's rant: Ruby is slow

Yes, it is. But it is fast enough for me.

QtRuby and Korundum:
• Very nice and easy to develop with
• Need a better documentation (especially Korundum)
• Fat: ~15MB overhead
• Wish: ability link to C++ code (Jambi is able)
Special thanks to Richard Dale for developing Korundum and helping me with it

Conclusion: Korundum works very well, use it Questions?