

KDE Device spectrum: Plasma Netbook



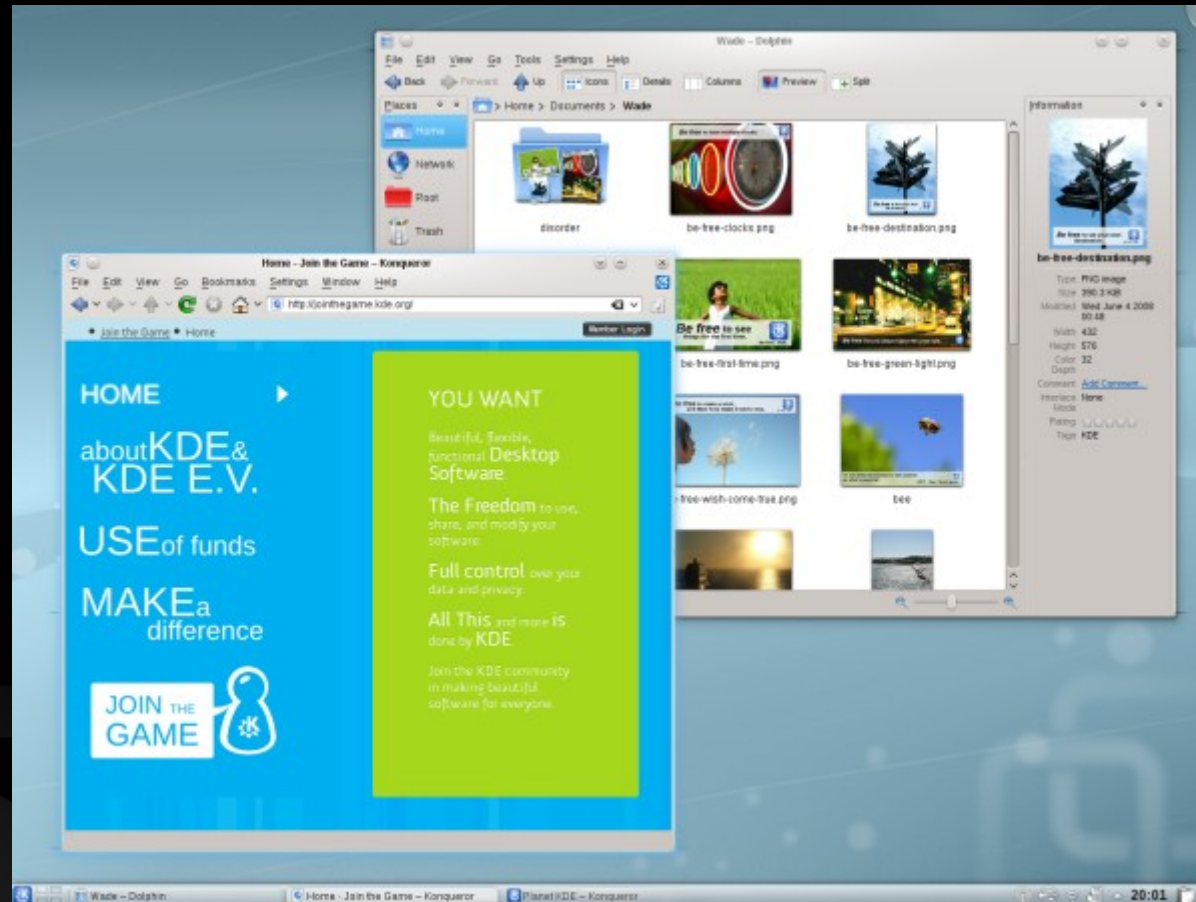
Marco Martin



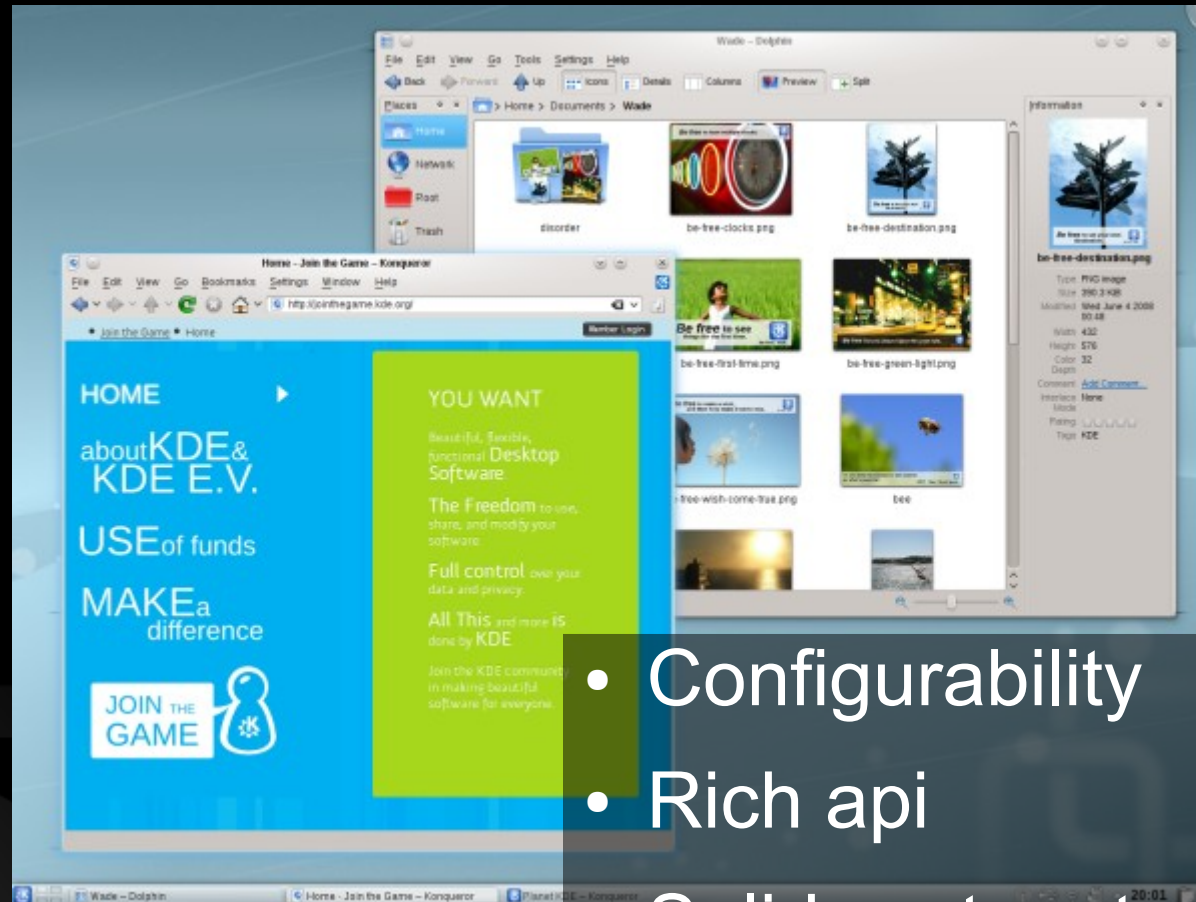
Why for netbooks?



Why KDE SC?



Why KDE SC?



- Configurability
- Rich api
- Solid system to build upon
- Us

Why Plasma?

This screenshot displays the Plasma desktop environment with several widgets:

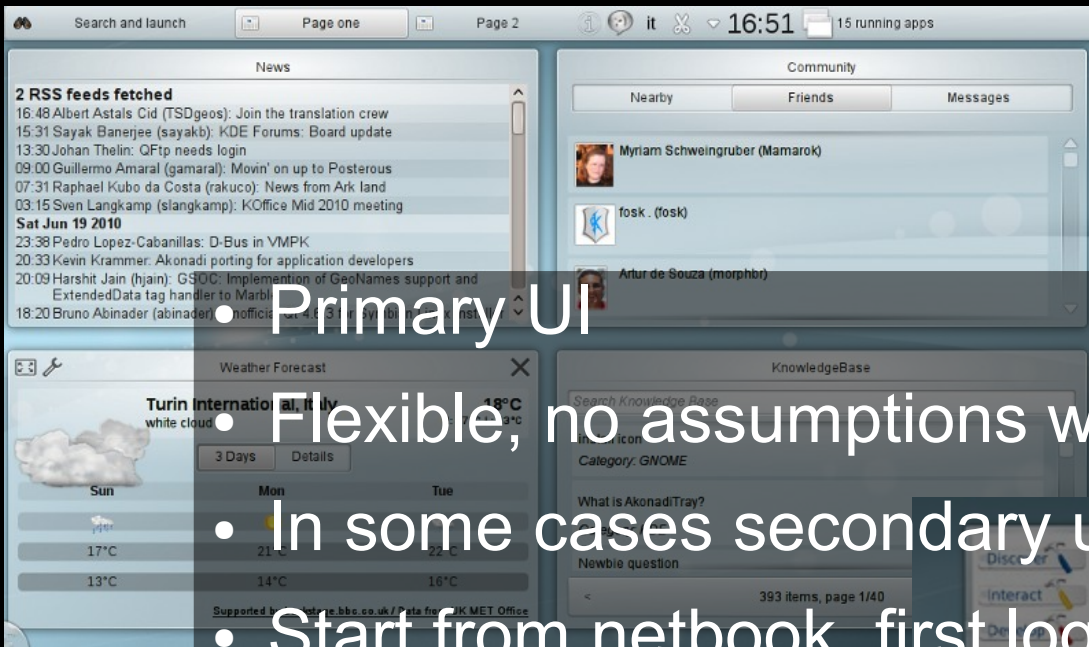
- Search and launch:** A top bar with search and launch icons, page indicators (Page one, Page 2), system tray (16:51, 15 running apps), and window management icons.
- News:** A widget titled "2 RSS feeds fetched" listing recent news items with timestamps and authors.
- Community:** A widget with tabs for "Nearby", "Friends", and "Messages", showing user avatars and names like Myriam Schweingruber, fosk, and Artur de Souza.
- Weather Forecast:** A widget for "Turin International, Italy" showing a current temperature of 18°C and a 3-day forecast table.
- KnowledgeBase:** A search widget for "GNOME" with a search bar and a list of results.

Day	Sun	Mon	Tue
Temp	17°C	21°C	22°C
Temp	13°C	14°C	16°C

This screenshot shows the Plasma desktop environment with a different arrangement of widgets:

- Discover, Interact, Develop:** A vertical stack of utility icons on the left.
- Browser:** A central window displaying a KDE website.
- KnowledgeBase:** A search widget on the right showing results for "Application".
- Timeline:** A social media-style widget at the bottom left showing a feed of posts.
- News:** A news widget at the bottom right with a "KDE News" header.

Why Plasma?



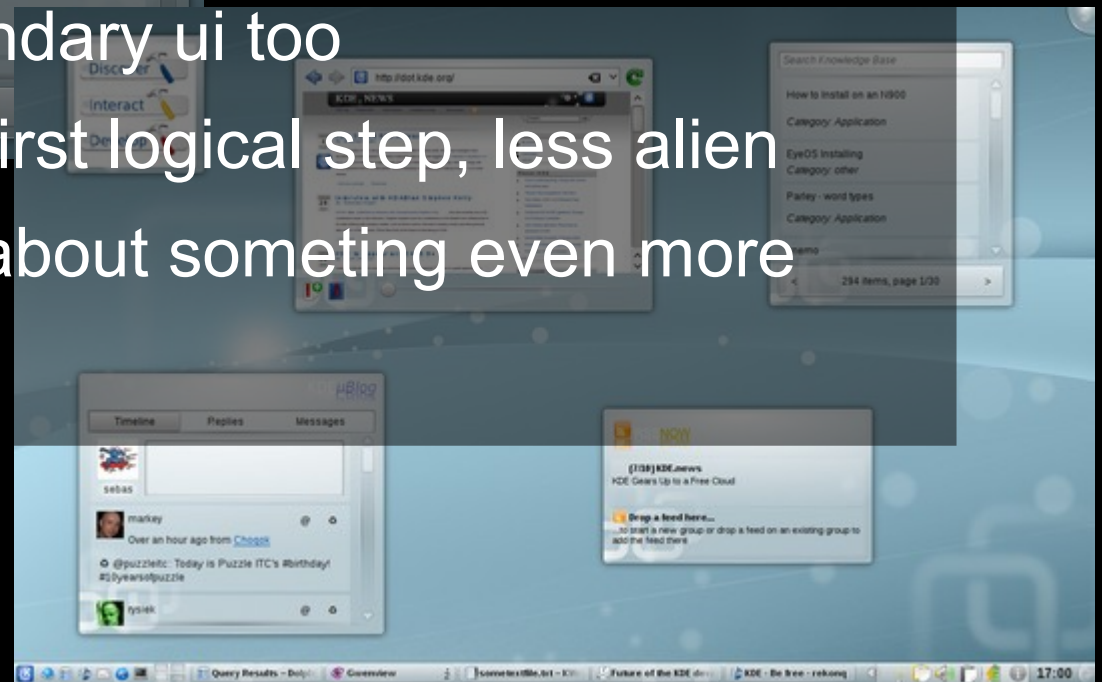
- Primary UI

- Flexible, no assumptions we are in a desktop

- In some cases secondary ui too

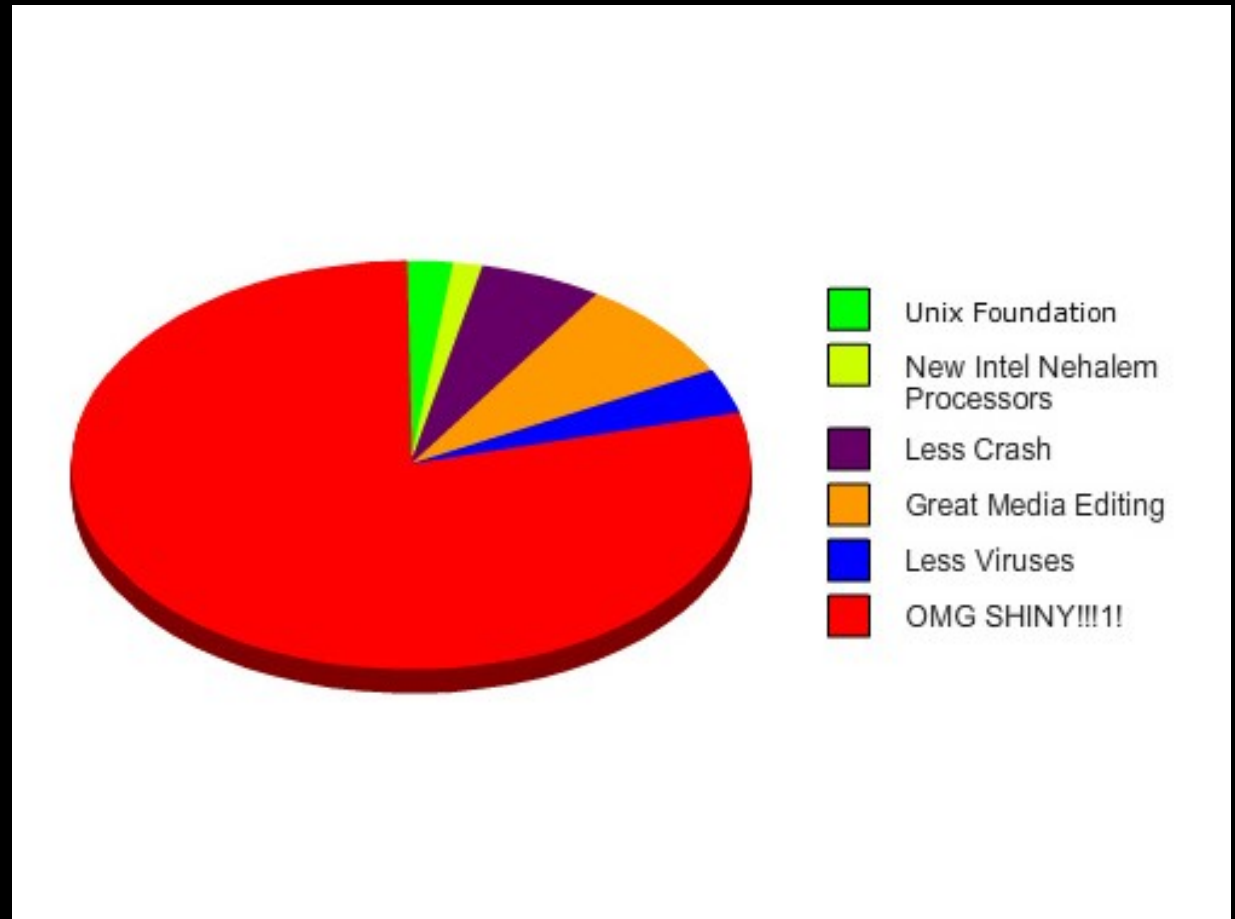
- Start from netbook, first logical step, less alien

- Alessandro will talk about something even more challenging



What do you want?

- Users
- vs
- Developers



Users

- Something useful: content content content



Users

- Something pretty



Developers

- Powerful API



Common components

- Separation between data and visualization
- Plasma::Dataengine
- Runners
- They can be used on each shell, regardless of the visualization
- Plugins, loaded on demand
- Easy to mash-up

Data

Common components

- Visual theme engine based on SVG
- Widget set
 - Based on QGraphicsView
 - Reusable
 - Simple API
 - Touchscreen friendly widgets like “flickable” scroll widgets

Visualization

Common components

- Plasmoids are designed to work at least:
 - Desktop
 - Panel
 - Netbook newspaper pages
 - Standalone windows (from 4.5)
 - Fullscreen on mobile devices (some of them)



Plasmoids

Netbook: window management

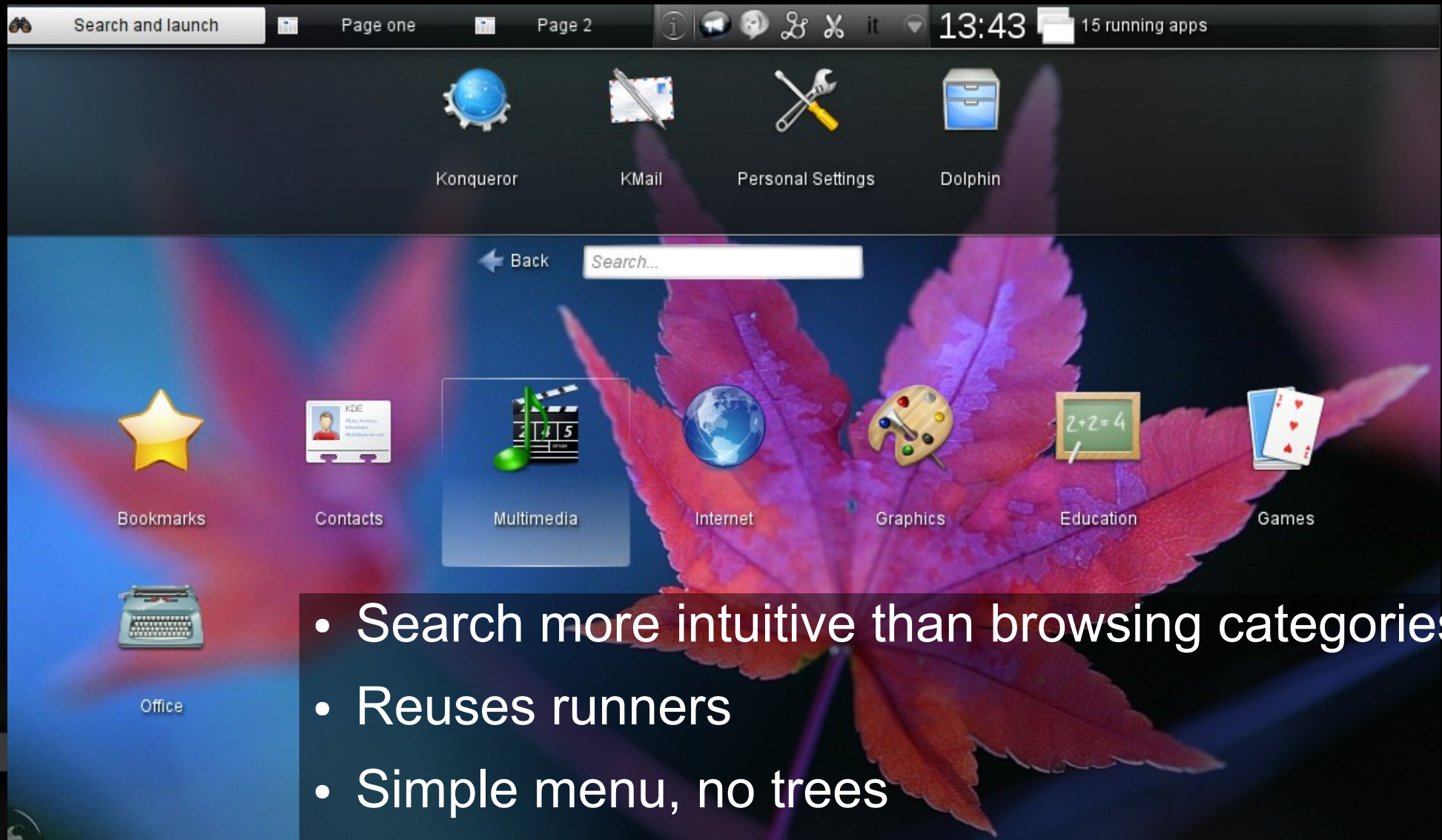
- The desktop is an “application”
- no border maximized windows
- Present windows is the taskbar
- Some other different default settings



Netbook: Search and launch



Netbook: Search and launch



- Search more intuitive than browsing categories
- Reuses runners
- Simple menu, no trees
- Use of flicking and drag and drop

Netbook: newspaper

Search and launch Page one Page 2 13:52 15 running apps

News

2 RSS feeds fetched









- 12:32 KOffice 2010 Summer Sprint Report
- 10:37 Morten Srvig: Qt for Google Native Client Preview
- 05:00 Michael Pyne (mpyne): Another transition for kdesvn-build
- 03:45 Sven Langkamp (slangkamp): We need more bug reports
- 03:24 Thomas Thym (ungethym): Akademy is approaching
- 01:56 Dominik Haumann: A Flashback of Kate in Gitorious
- 00:03 Jos van den Oever (vandenoever): OdfKit Hack Week day 2

Thu Jun 24 2010

- 21:32 Michael Jansen: Build-Tool 0.3 Release
- 19:07 Frank Karlitschek (karli): ownCloud 1.0 is here
- 19:01 Danny Kukawka: Hacking osc (2)
- 16:01 Davide Bettio (WindowsUninstall): KDE SC 4.5 Wallpapers

Community




Nearby Friends Messages

-  Myriam Schweingruber (Mamarok)
-  fosk . (fosk)
-  Artur de Souza (morphbr)
-  Harald Sitter (apachelogger)
-  Wolfgang Sidius (sidius)
-  Andrea Diamantini (adjam)
-  Sebastian Kügler (sebas)
-  Lydia Pintscher (nightrose)

Weather Forecast

Turin International, Italy 20°C
white cloud
H: 25°C L: 17°C

3 Days Details

Fri	Sat	Sun
		
25°C	25°C	25°C
17°C	18°C	19°C

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Netbook: newspaper

The screenshot shows a Netbook desktop environment with a dark theme. The top panel includes a search bar, window management buttons, and system information (13:52, 15 running apps). Two main widgets are visible:

- News Widget:** Titled "News", it displays "2 RSS feeds fetched" and a list of recent news items. A white arrow points to the "2 RSS feeds fetched" header.
- Community Widget:** Titled "Community", it has tabs for "Nearby", "Friends", and "Messages". The "Friends" tab is active, showing a list of user profiles with avatars and names.

Overlaid on the screenshot are three bullet points:

- Flicking here too
- Primary place for widgets
- Biggest use case: PIM and webservice client widgets here

The weather forecast widget at the bottom left shows a 3-day forecast for London International, Italy, with temperatures ranging from 17°C to 25°C.

Future

- Polishing
- More widgets, especially PIM related
- Caching for dataengines
- Different devices: what components can be reused on netbooks with touchscreen, tablets or smaller mobile devices?
- Beyond workspaces: application dashboards for Kontact, Skrooge and Kdevelop