



Plasma for Device Creation

QtCon Brasil 2018, São Paulo

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About Me

Kai Uwe Broulik

Software Engineer, Plasma core developer

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- Since 2010: KDE Community member
- 2013–2017: Qt Android + iOS
- Since 2018: Blue Systems





- Founded 1996 in Germany
- Original goal: create unified UNIX desktop
- Most known for Plasma Desktop
- High-quality cross-platform applications, developer tools, and libraries

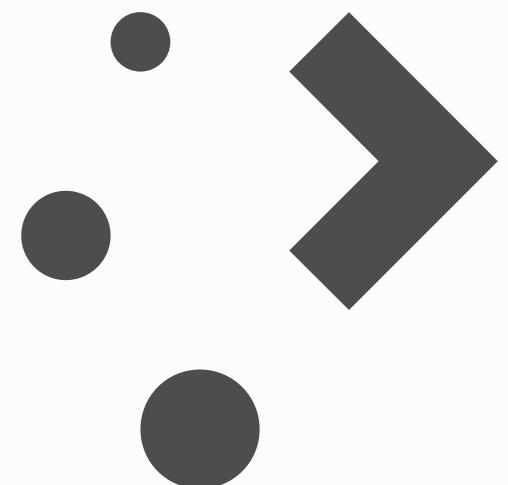




KDE History

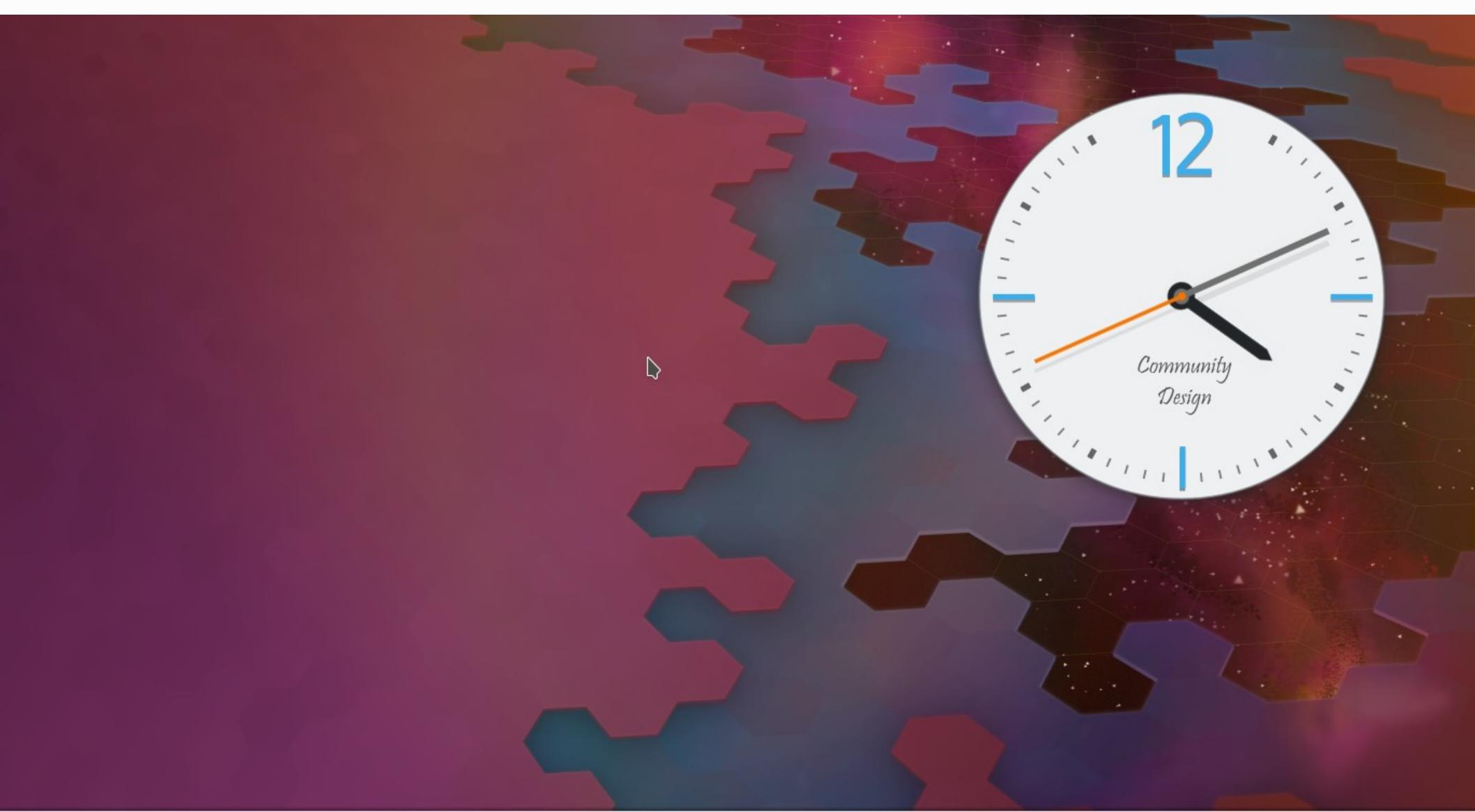


What is Plasma?



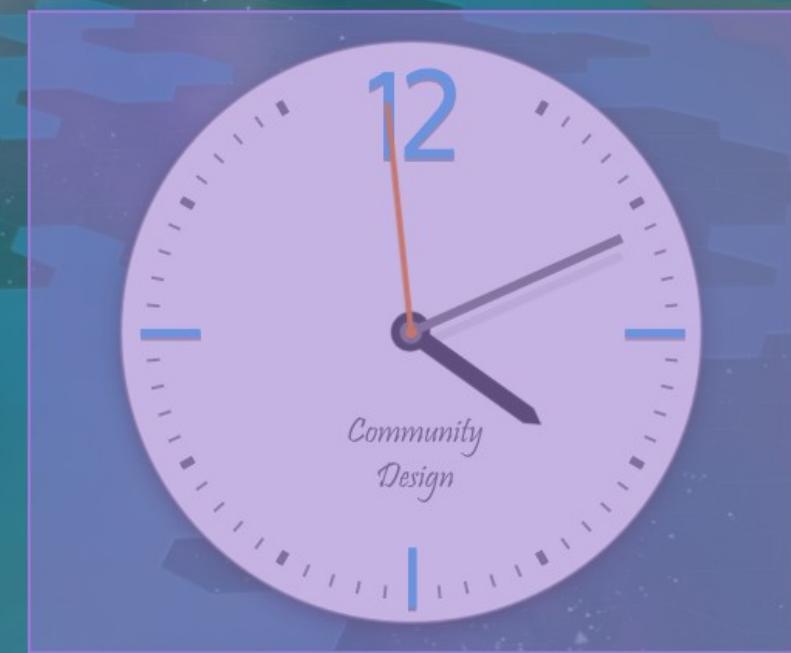


What is Plasma?





What is Plasma?



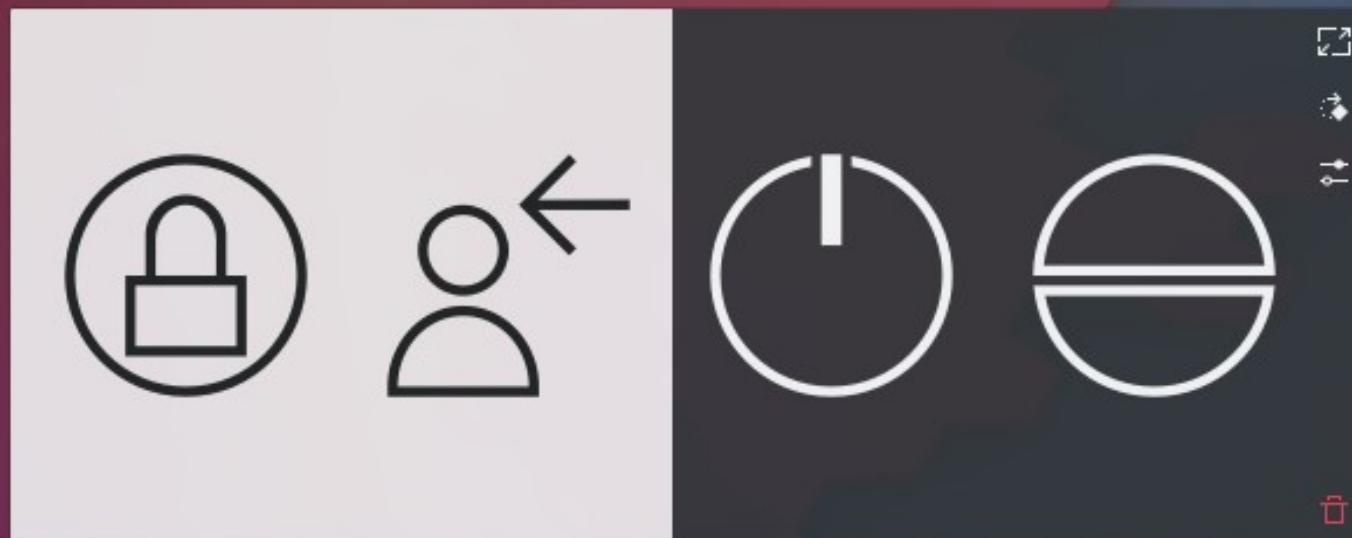


What is Plasma?





What is Plasma?





What is Plasma?

The image displays four side-by-side screenshots of the KDE Plasma desktop environment, illustrating the visual design evolution of the application menu and dock over time.

Leftmost Screenshot: Shows the application menu titled "Plasma" with a light pink background. The "File Manager" entry under "System Settings" is highlighted with a blue selection bar. The dock at the bottom features icons for "Favorites", "Applications", and "Computer". A tab bar at the bottom shows "QtCon — Dolphin".

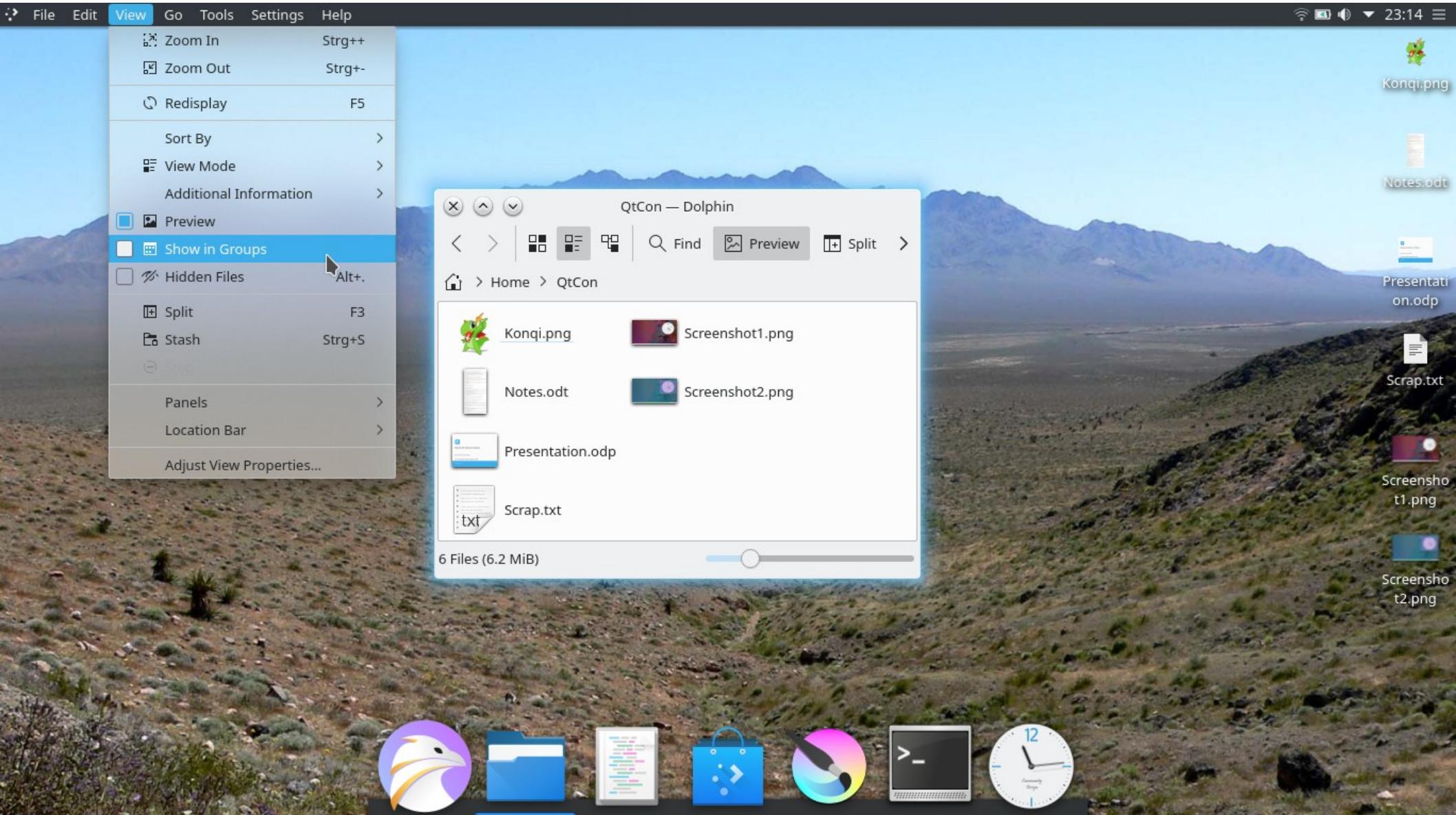
Second Screenshot from Left: Shows the same application menu and dock layout, but the "File Manager" entry under "System Settings" is now highlighted with a yellow selection bar.

Third Screenshot from Left: Shows the application menu with a dark grey background. The "File Manager" entry under "System Settings" is highlighted with a blue selection bar. The dock and tab bar are identical to the first two screenshots.

Rightmost Screenshot: Shows the application menu with a dark grey background. The "File Manager" entry under "System Settings" is highlighted with a red selection bar. The dock and tab bar are identical to the third screenshot.



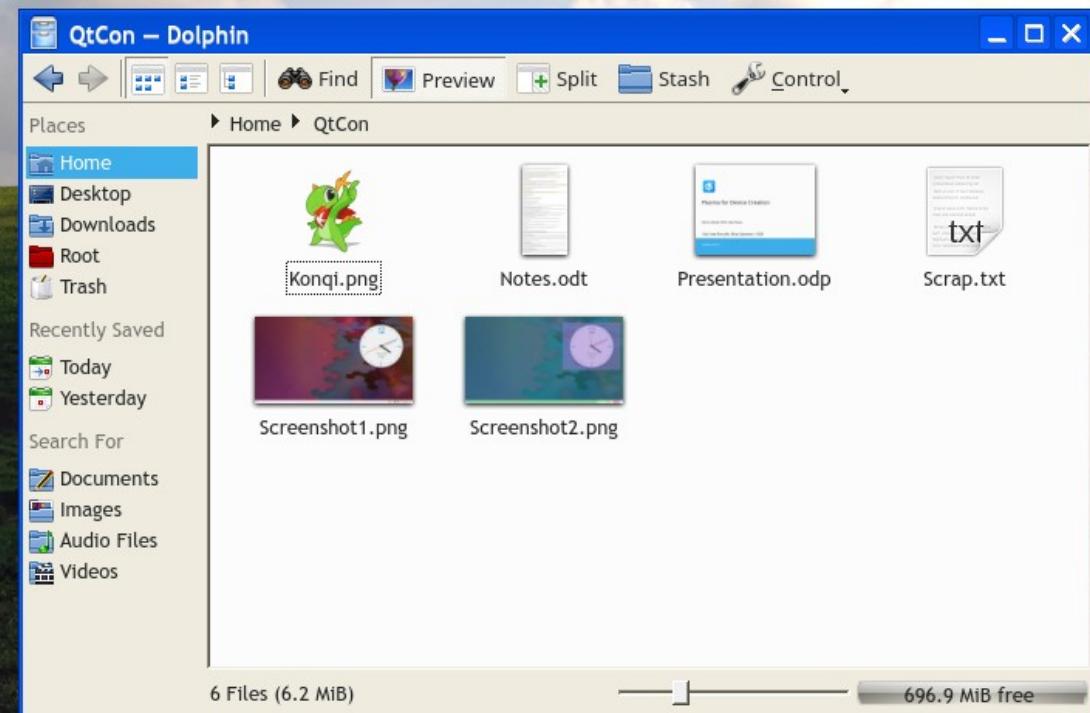
What is Plasma?



Wallpaper "Kingston Range from Emigrant Pass" CC BY-SA 3.0 by Stan Shebs



What is Plasma?



Start

QtCon – Dolphin

22:36

Wallpaper "Brakel" by Eike Hein



What is Plasma?

The screenshot shows the KDE Plasma desktop environment. On the left, a white application menu window titled "Plasma" is open, featuring a search bar and a list of applications:

- Web Browser (Falkon)
- System Settings (System Settings)
- File Manager (Dolphin)
- Advanced Text Editor (Kate)
- Software Center (Discover)
- Digital Painting (Krita)

At the bottom of the menu window, there are five icons in the dock: Favorites (bookmark), Applications (grid), Computer (laptop), History (clock), and Leave (arrow). The background of the desktop is a dark red and black abstract pattern.



What is Plasma?

A screenshot of the KDE Plasma desktop environment. On the left, the application menu is open, showing categories like Recent Applications, Development, Education, Games, Graphics, Internet, Multimedia, Office, Settings, System, Utilities, Help, and Power / Session. The 'Graphics' category is currently selected, indicated by a blue highlight and a small arrow icon. A sub-menu for 'Graphics' is displayed, listing various applications: GNU Image Manipulation Program, Gwenview, Inkscape, Koko, KolourPaint, Krita, LibreOffice Draw, Okular, and Skanlite. At the bottom of the menu bar is a search bar with the placeholder text 'Search...'.

- Recent Applications
- Recent Documents
- Development
- Education
- Games
- Graphics
- Internet
- Multimedia
- Office
- Settings
- System
- Utilities
- Help
- Power / Session

Search...

- GNU Image Manipulation Program
- Gwenview
- Inkscape
- Koko
- KolourPaint
- Krita
- LibreOffice Draw
- Okular
- Skanlite

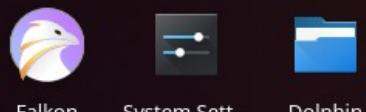


What is Plasma?

Apps & Docs Widgets

Type to search.

Favorites



Falkon System Sett... Dolphin



Kate Discover Krita

Applications



Konqueror Konsole KFind Firefox We... KBlackBox KAtomic GCompris E...



KWrite Okular Mycroft Gui



Logout Reboot Shut Down



Recent Applications

Recent Documents

All Applications

Development

Education

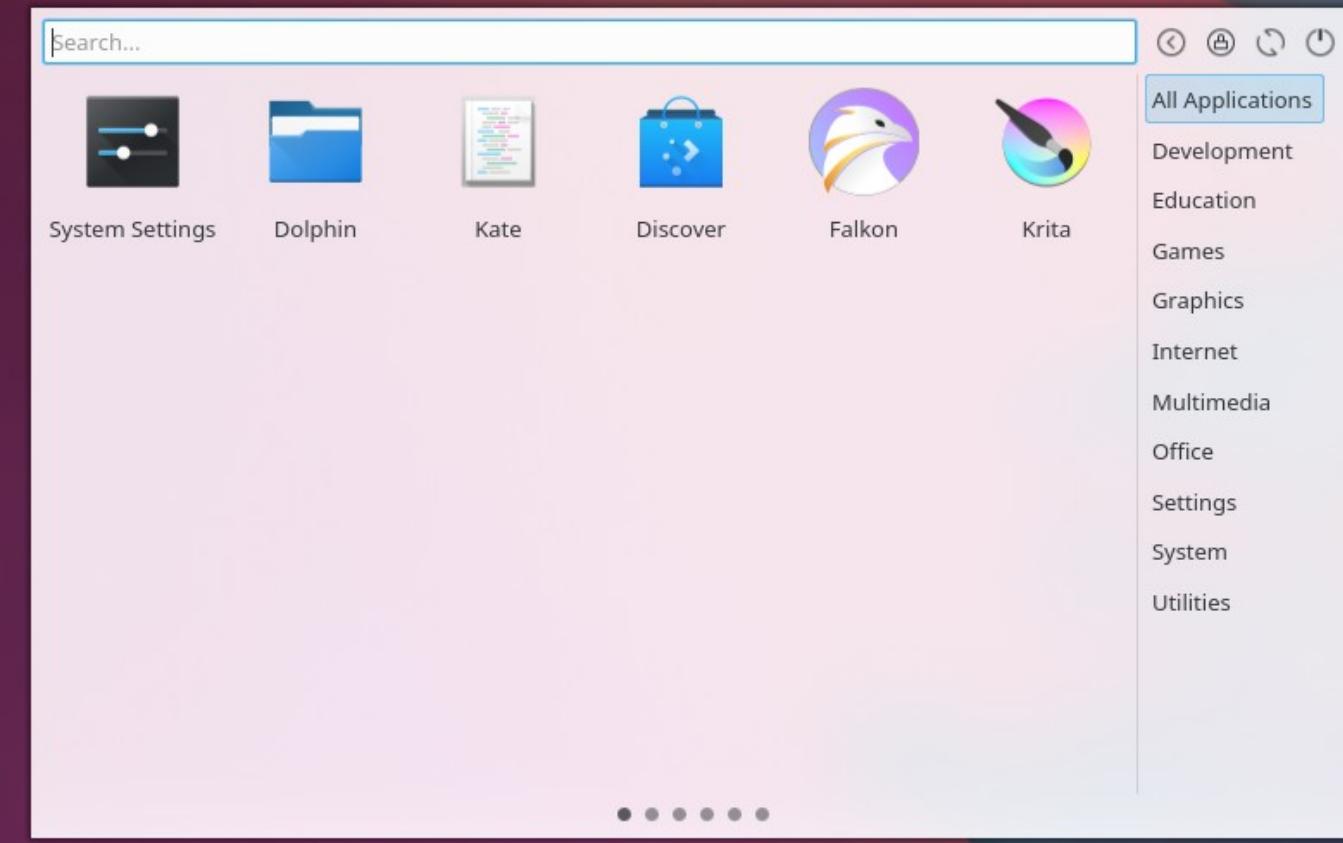
Games

Graphics

Internet



What is Plasma?





What is Plasma?



Konqi.png



Notes.odt



Screenshot1.png



Screenshot2.png



Presentation.odp



Scrap.txt



Trash



What is Plasma?



Konqi.png



Notes.odt



Presentation.odp



Scrap.txt

QtCon



Screenshot1.png Screenshot2.png



Plasma



autotests



build



docs



examples



src



templates



tests



CMakeLists.txt

Stuff



More Stuff



D16684.diff



delivery_van.json



itinerary-app_build_ap...
ion.png



plasmaintegrat
ion.png



UserManual-
en.pdf



COPYING



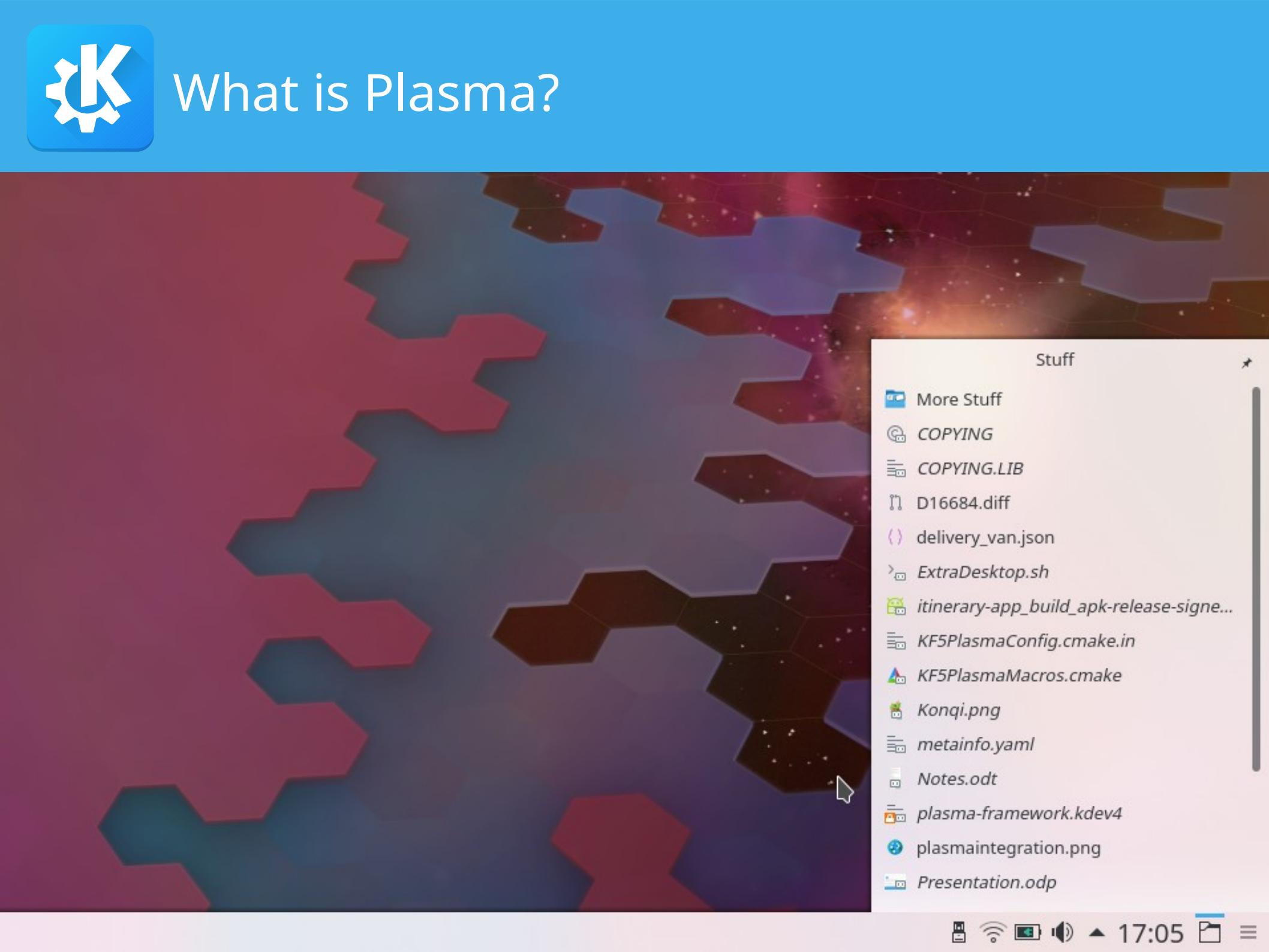
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ExtraDesktop.sh
fig cmake.in



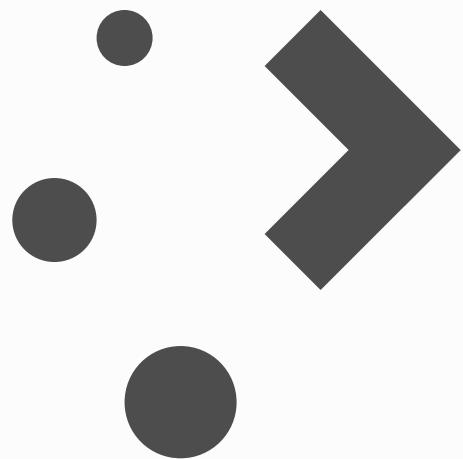
What is Plasma?

- 
- A screenshot of a KDE Plasma desktop environment. A file browser window titled "Stuff" is open, showing a list of files and folders. The background of the desktop is a dark, abstract pattern of overlapping hexagons in shades of red, blue, and purple, set against a star-filled space background.
- Stuff
 - More Stuff
 - COPYING
 - COPYING.LIB
 - D16684.diff
 - delivery_van.json
 - ExtraDesktop.sh
 - itinerary-app_build_apk-release-sign...
 - KF5PlasmaConfig.cmake.in
 - KF5PlasmaMacros.cmake
 - Konqi.png
 - metainfo.yaml
 - Notes.odt
 - plasma-framework.kdev4
 - plasmaintegration.png
 - Presentation.odp

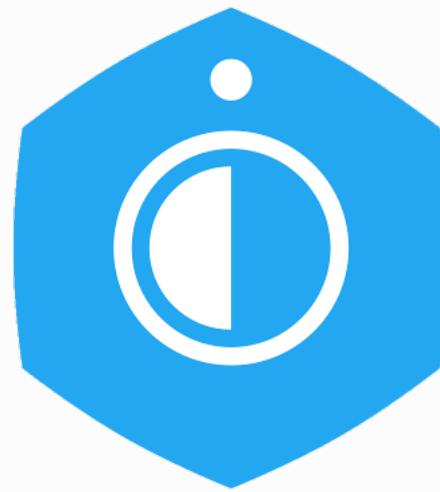


What is Plasma?

- Highly customizable workspace shell
- Everything is a plugin
- Great for augmenting existing products



+





Plasma + Mycroft

MYCROFT | DISABLED

Let's Continue ?

Mycroft by default is powered by a cloud-based speech to text service. Mycroft gives you the ability to change speech to text services or use a locally configured one within their settings at home.mycroft.ai.

Texas woman, 82, dies after voting for the first time, family says

An 82-year-old Texas woman passed away Monday morning -- just days after she cast her first-ever ballot.

Fox News Powered By: NewsAPI

Election Day weather in Maryland: Severe storms in forecast, 'a couple tornadoes can't be ruled out'

Rain showers and a line of early afternoon thunderstorms are in the forecast for Maryland on Election Day. Periods of rain are likely through Monday and into Tuesday morning. A cold front is expected to cross the region midday Tuesday, bringing a chance for s...

Baltimoresun.com Powered By: NewsAPI

Ready or not, Blackhawks entering new era with hiring of 33-year-old Jeremy Colliton as head coach

Ready or not, the Blackhawks are entering a new era with the hiring of 33-year-old Jeremy Colliton after relieving the head coaching duties of Joel Quenneville, who's the second winningest coach in NHL history.

Nbcsports.com Powered By: NewsAPI

Could Life Hitch a Ride on Interstellar Visitors Like 'Oumuamua?

The first known interstellar visitor to the solar system, 'Oumuamua, highlights how life

Ask Another Stop Clear

Enter Query or Say 'Hey Mycroft'



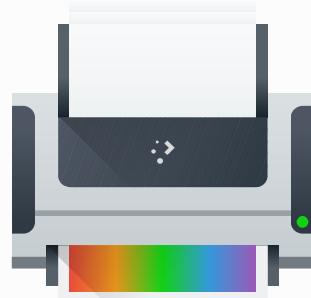


Plasma + Mycroft





Plasma Interfaces





KWin





KDE Slimbook





Pinebook





Plasma in your Product

- Use Plasma
- Integrate Plasma
- Contribute to KDE
- Develop inside KDE



Use Plasma

- LGPL Version 2.1
- Compatible with Qt licensing
 - Both open source and commercial
- Suitable for open source and commercial use



KDE Incubator Benefits

- Infrastructure
- Support
- Promotion
- Translations
- Invitation to events





Get in touch

KDE Foundation Board
kde-ev-board@kde.org

- Non-profit support organization
- Contact point for you
- Working on platform to connect partners

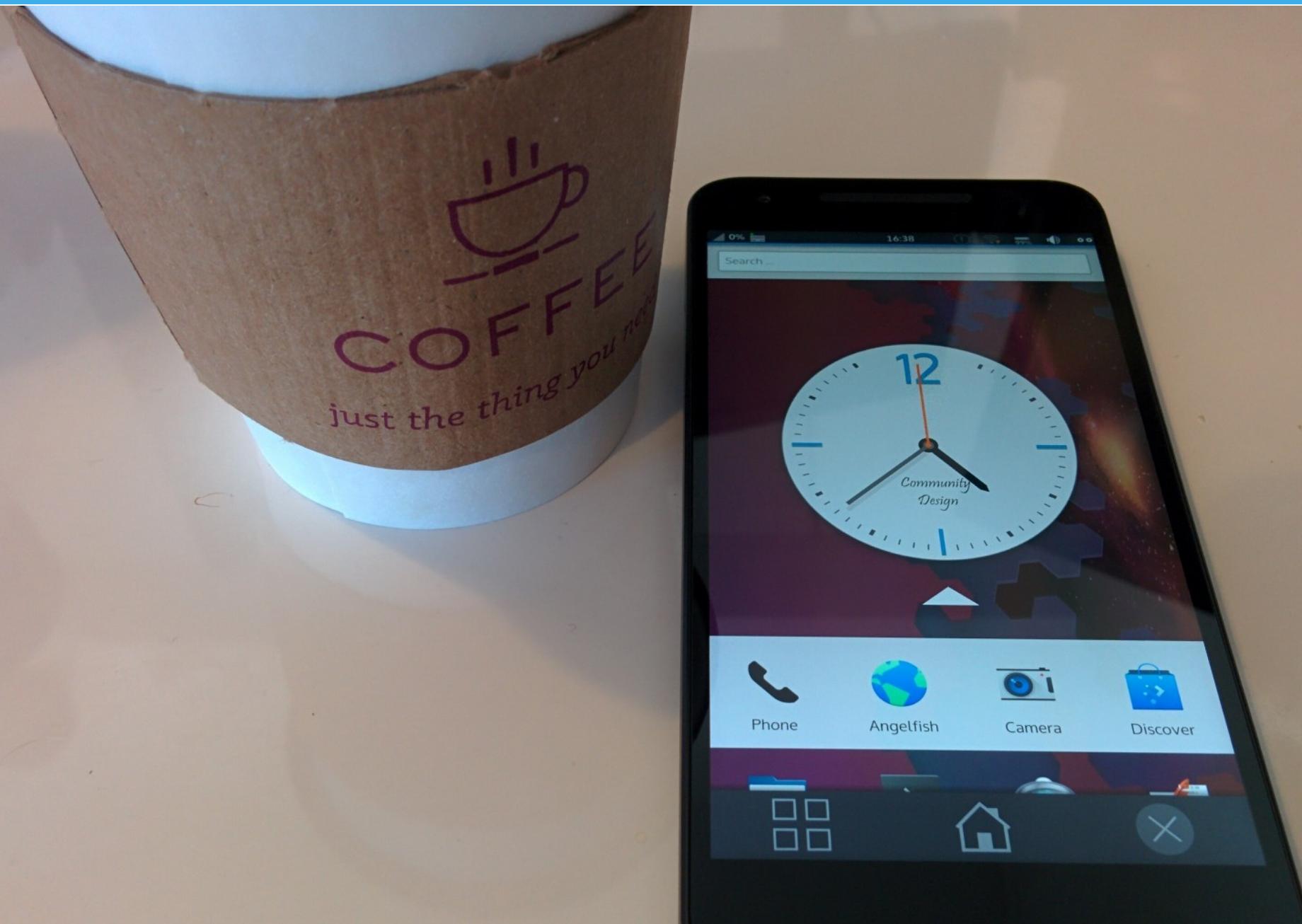


Plasma has got you covered





Plasma has got you covered



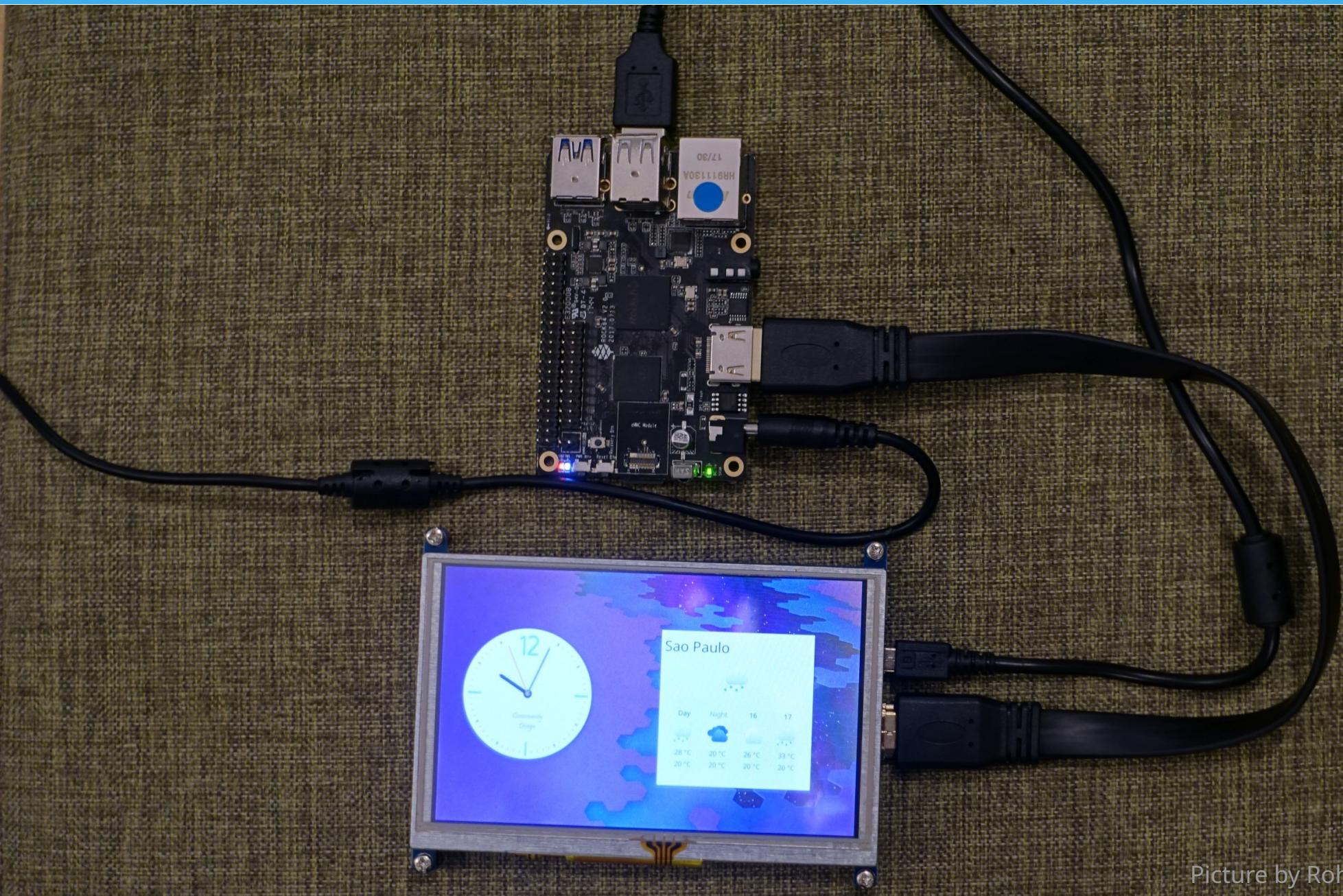


Plasma has got you covered





Plasma has got you covered



Picture by Rohan Garg



Plasma has got you covered





Plasma has got you covered



Perguntas?



Obrigado!