



FEDORA, KDE, KINOITE, AND MOBILE

NEAL GOMPA

Co-chair, Fedora KDE SIG

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WHO AM I?

- Open Source Advocate
- Contributor and package maintainer in Fedora and CentOS
- Member of Fedora Engineering Steering Committee (FESCo)
- Co-chair of Fedora KDE SIG
- Co-chair of CentOS Hyperscale SIG
- Senior DevOps Engineer at Datto, Inc.
- Developer and maintainer of package build and release pipeline using OBS
- Packager and Backporter

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FEDORA KDE

Fedora KDE SIG

The Special Interest Group (SIG) packages and maintains the Qt stack and KDE software ecosystem for Fedora (and RHEL, starting with RHEL 8).

We develop and maintain variants of Fedora media with KDE software on it.

Also... fedoraloveskde.org



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FEATURES OF FEDORA KDE

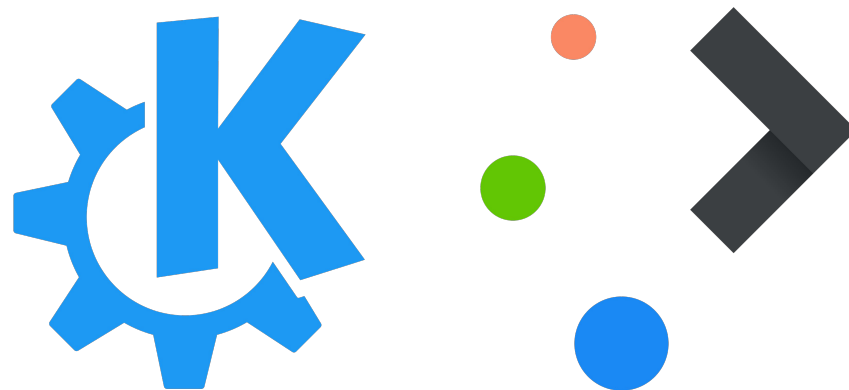


FRESH KDE PLASMA

Always latest KDE software

The Fedora KDE SIG has a policy of continuously updating KDE Plasma for the latest stable releases of Fedora Linux.

In addition, for KDE Plasma for RHEL/CentOS and derivatives, we refresh to the latest stable release at least once a year for the latest stable release of RHEL/CentOS.



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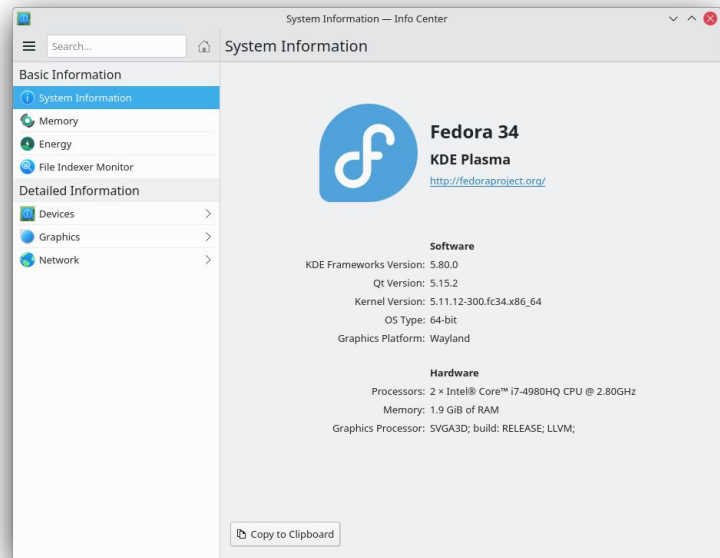


WAYLAND BY DEFAULT

Leaping into the future!

KDE Plasma now runs with Plasma Wayland by default, rather than the legacy X11 session. This gives us all the benefits: smoother graphics, greater performance, and lower resource usage.

Fedora is the first distribution to make the switch for KDE Plasma.



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Wayland-native SDL

Gaming in the future

SDL 1.2 has been replaced with a shim library that has older games run on SDL 2.

SDL 2 is continuously upgraded to the latest releases and SDL 2 will launch games in Wayland mode by default when running in a Wayland session.



Credit: SDL project

PIPEWIRE

Next-gen multimedia

PipeWire offers a high-quality multimedia framework to support regular consumer, prosumer, and high-end professional creative needs.

Fedora is the first distribution to leverage PipeWire for all audio routing, replacing PulseAudio and JACK for this role.



PipeWire project logo by Jakub Steiner

BTRFS

The butter of Fedora

Btrfs provides a modern filesystem with a simplified user experience compared to traditional alternatives. It also comes with optimizations for flash storage, and Fedora leverages transparent compression to massively improve space efficiency and I/O performance.



*"Official" Btrfs logo by Máirín Duffy
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FEDORA KDE VARIANTS



FEDORA KDE PLASMA SPIN

The flagship experience

- Curated collection of KDE software to demonstrate the quality of the ecosystem
- Aims to provide quality KDE Plasma Desktop experience largely based on upstream defaults
 - Minor branding and usability tweaks
 - Mozilla Firefox as the browser
 - Firewalld and SELinux for security
- Shipped as a live media ISO for 64-bit x86 and ARM systems and a disk image for 64-bit ARM systems
 - Available from kde.fedoraproject.org



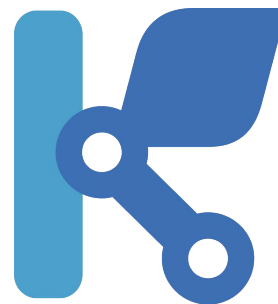
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FEDORA KINOITE

A new experience

Offers much of the same features as the main KDE spin, except...

- A more minimal default experience
 - Applications delivered as Flatpaks
 - RPM-OSTree supports a reliable “immutable” base Linux desktop experience
 - Developer workflows supported through containers with Podman and Toolbox
- Shipped as an install ISO for 64-bit x86, ARM, and POWER systems
 - Available from kinoite.fedoraproject.org



fedora
KINOITE

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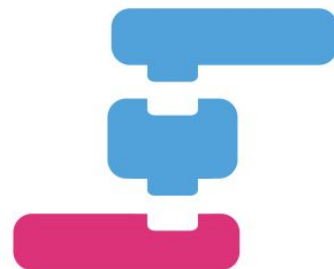
KDE FOR ENTERPRISE LINUX

KDE Plasma for RHEL

KDE software is packaged and maintained in the Extra Packages for Enterprise Linux (EPEL) repository for RHEL/CentOS and derivatives.

Notably, the CentOS Hyperscale SIG and the AlmaLinux project both offer live media ISOs using KDE Plasma on their distributions.

- CentOS Hyperscale:
<https://sigs.centos.org/hyperscale/content/spins/workstation/>
- AlmaLinux:
<https://wiki.almalinux.org/LiveMedia.html>



EPEL

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SO WHAT'S COMING IN THE FUTURE?



FUTURE FEATURE FUN



KDE Plasma Desktop

- We aim to switch SDDM to use Wayland by default. This was originally planned for Fedora 36, but has been delayed to Fedora 38.
- We want to eventually ship Fedora KDE on hardware (like Fedora Workstation is), so we're engaging with KDE on building the out the out-of-box experience to enable OEM preloads.

KDE Plasma Mobile

- KDE Plasma Mobile packages have just been integrated into Fedora Rawhide. We're working on defining composition groups and distribution configuration defaults for Fedora 38.
- We're working with the Mobility SIG to figure out the Fedora Mobile Edition and hope to ship it with Plasma Mobile.

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







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FEDORA KDE SIG

Join Us

- Project issue tracker:
pagure.io/fedora-kde/SIG
- Mailing list:
kde@lists.fedoraproject.org
- Matrix:
[#kde.fedoraproject.org](https://matrix.to/#/#kde.fedoraproject.org)

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QUESTIONS?

