



# Hello World! from Fedora Kinoite

Fedora 35 Release Party 🎉

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# Agenda

- Where are we?
- What is coming soon?
- What is coming next?



# What is Fedora Kinoite?

- Fedora Kinoite is **Fedora** (attached to **KDE SIG**)
- Build **100%** from Fedora RPM packages
- **Immutable** desktop operating system
- Featuring the **KDE Plasma** desktop environment
- **Officially released** as part of **Fedora 35** 🎉



# What comes with Fedora?



- Fedora provides a **stable** and **up to date** software stack
  - Wayland, Pipewire, systemd user sessions, etc.
  - Enabled by default since **Fedora 34**
- KDE packaging follows **latest upstream release**
- **Upstream first** for patches and configuration changes
- **Active KDE SIG** with weekly meetings (Monday 1800 UTC)



# What makes it different?

- Based on **rpm-ostree** to manage the system
- **Flatpak** to manage applications
- **podman** to manage containers for tools and development

- Close sibling of **Fedora Silverblue**



# Easy desktop experience for users

- **rpm-ostree** makes system updates a non-event
  - System is shipped as a **single consistent image**
  - **Atomic** updates and **rollbacks**
- **Flatpak** makes installing and updating applications easy
  - Updates independent of system updates
  - **Flathub** (mixed FOSS and proprietary)
  - **Fedora** (FOSS only)
- **toolbox** keeps all Fedora packages at hand (fallback)



# Accessible for testers / early adopters



- Easy to try the next version thanks to **rpm-ostree**
  - Without giving up **stability**
  - Keeps all your Flatpak apps **as-is**
  - Easy rollback to a previous **known good version**
- Can try nightly / development **Flatpaks** in parallel
  - Keep stable applications **available** as fallback
  - Try Flatpaks built from **PRs** (see [GitHub action](#))



# Safer environment for developers



- **rpm-ostree** enables **controlled change** to the system
  - Replace any RPM on the system, **live**
  - **Revert live** or go back to a **clean state** by rebooting
- “All included” development environments with **Flatpaks**
  - Any **libraries**, any **version**, any **framework**
  - **No restrictions** or compatibility issues with what’s on the system





**What is coming soon?**



# Update to Plasma 5.23

- **KDE SIG closely follows upstream releases**
- **Plasma 5.23** is ready and waiting in **Rawhide**
- **Fedora 34 & 35** are still on **Plasma 5.22**
- Unfortunate timing: Blocked by the Fedora 35 release
  - Plasma release cycle is 4 months
  - Fedora release cycle is 6 months
- **Plasma 5.23** will arrive as an update for F34 & F35 soon



# Fixing known issues

- **Tracked in:** <https://pagure.io/fedora-kde/SIG/issue/112>
- Mostly paper cuts that impact the user experience
- Workarounds are usually available
  
- **Flatpaks** availability and installation by default
- **rpm-ostree support in Discover** is currently non-functional
- **Broken desktop** with **UTC/GMT+0 timezone**

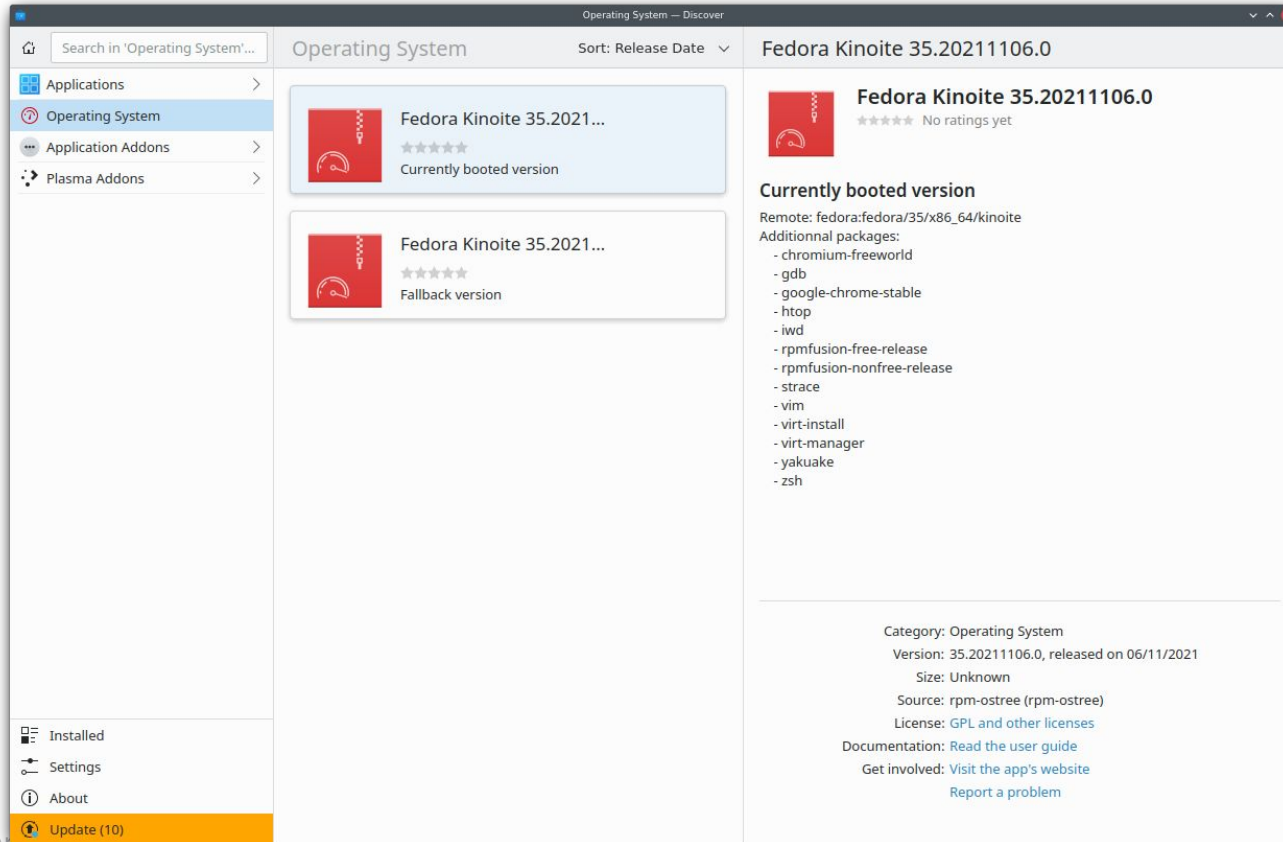


# rpm-ostree support in Discover

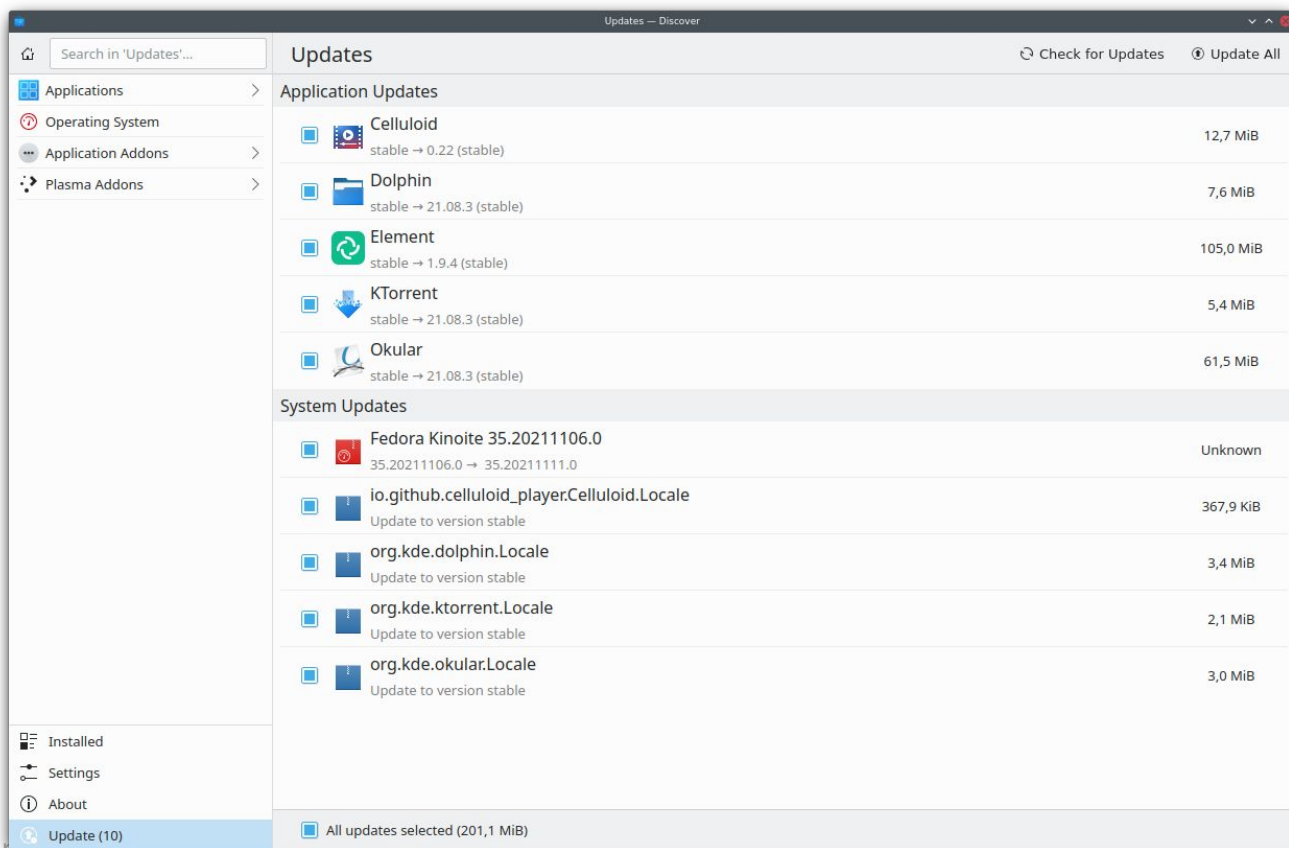
- Support currently non functional and disabled
- Workaround: Use the command line to upgrade
- Work in progress upstream:  
[https://invent.kde.org/plasma/discover/-/merge\\_requests/166](https://invent.kde.org/plasma/discover/-/merge_requests/166)



# rpm-ostree support in Discover (WIP)



# rpm-ostree support in Discover (WIP)



# KDE Apps as Flatpaks from Fedora



- Good selection of **non-KDE apps** already **available**
- **KDE Apps** as Fedora Flatpaks still **in-progress**
  - <https://pagure.io/fedora-kde/SIG/issue/13>
- Will quickly bring all existing **packaged** KDE Apps
  - **Same version** as those available via RPMs
  - Guaranteed to be **FOSS**



# KDE Apps as Flatpaks from Flathub

- A lot of non-KDE apps already available
- **Quickly expanding** list of KDE Apps on **Flathub**
  - <https://flathub.org/apps/search/org.kde>
  - Closely follows **latest upstream stable releases**
- Best place to fix apps close to **upstream** to make them **fully compatible** with Flatpak sandboxing
- **Lots of small and easy tasks for beginners in**
  - Flatpak packaging of existing apps
  - KDE Apps development to fix incompatibility issues





**What is coming next?**



# Our plans for the future

- Be the best platform to try the **next version** of
  - **KDE Plasma**: versions with Plasma Beta releases
  - **KDE Apps**: make nightly Flatpaks accessible
- **Testing** and multiple delivery **streams**
  - Classic **Stable** (latest two Fedora) and **Rawhide** streams
  - **Automated** testing before release (OpenQA)
  - **Stable+Beta/Nightly Plasma releases**
  - Enable manual testing by early adopters



# Logo missing here (in progress)

- **Join us!**
- **KDE SIG:** <https://fedoraproject.org/wiki/SIGs/KDE>
- **Issue tracker:** <https://pagure.io/fedora-kde/SIG/issues>
- **Weekly meetings** on **Monday 1800 UTC**
- **Website:** <https://kinoite.fedoraproject.org/>
- **Docs:** <https://docs.fedoraproject.org/en-US/fedora-kinoite/>

