What's new for Silverblue, Kinoite, Sericea and Onyx in Fedora 39

Fedora 39 Release Party 🎉

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What's new?

Welcome to Fedora Onyx!

- Using the Budgie desktop, with a (nearly) stock experience.

- Follows up on Fedora Budgie Spin introduced in 38.

- Similar to other Fedora atomic desktops. Ships toolbx out-of-the-box and access to Flatpaks.

- Hopeful rebrand from Onyx to "Fedora Budgie Atomic".

- Aspirational: Have atomic variant be *the* "Fedora Budgie" and have the "mutable" spin be rebranded. 🤞

Fedora Atomic Desktops
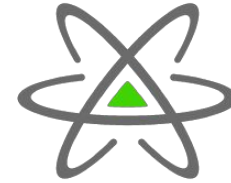
- New Special Interest Group focused on (rpm-)ostree based desktop variants of Fedora:
  - Silverblue, Kinoite, Sericea, Onyx
  - https://fedoraproject.org/wiki/SIGs/AtomicDesktops
- New name still pending approval by the Fedora Council:
  - https://fedoraproject.org/wiki/Changes/AtomicDesktops
- Will centralize work and issues in a GitLab namespace:
  - SIG: https://gitlab.com/fedora/ostree
  - Issues: https://gitlab.com/fedora/ostree/sig/-/issues

What's new in Silverblue?

- Latest GNOME 45 release!
- Loupe replaces Eye of GNOME (EOG)
- Flatpaks for ppc64le available and included in the installer
- See also [What's new in Fedora Workstation 39](#) on the Fedora Magazine

What's new in Kinoite?

- Still on Plasma 5.27 (Plasma 6 coming for Fedora 40!)

- A subset of KDE Apps now available as Flatpaks

  - Built from Fedora RPM sources and build options

- Available for all Fedora releases

- Thanks to Yaakov Selkowitz and the Flatpak SIG!

- Applications removed from the base image

  - Okular, Gwenview, Kcalc

What's new in Sericea?
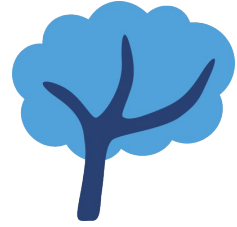
- No major changes this release 🙂

rpm-ostree unified-core

- Builds now using with rpm-ostree unified-core

- Stricter build mode for rpm-ostree images

- Should be completely transparent to users

- Required for bootupd support

- Step towards ostree native container images

What's next?

bootupd support

- Will let users finally easily update their bootloader

- Needed rpm-ostree unified core mode (landed in F39)

- Now waiting on Anaconda installer fixes (in progress!)

- Hopefully lands in Fedora 40 🤞

Ostree Native Containers (I)

- Package ostree commits as OCI containers
- Main benefits:
  - Easier to manage, deploy, mirror
  - Create derived images via a Containerfile/Dockerfile
  - Inspect the content, scan it or run it like a container
  - Signing via cosign/sigstore
- Examples:
  - https://github.com/coreos/layering-examples
  - https://github.com/travier/fedora-kinoite

Ostree Native Containers (II)

- Work in progress to add support to build via Pungi

- Initially built alongside the current ostree commits

- Currently planned for Fedora 40:
  - https://fedoraproject.org/wiki/Changes/OstreeNativeContainerStable
  - The change page needs to be updated / rewritten

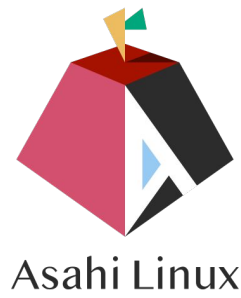- Looking at transition to containers only in a future release

Universal Blue, Bluefin and Bazzite

- Builds on the Ostree Native Containers format

- All defined via Containerfiles/Dockerfiles

- Lots of options, images, additional fixes, platform support, UX fixes, etc.

- General project: https://universal-blue.org/

- Developer focused: https://projectbluefin.io/

- Gaming focused: https://github.com/ublue-os/bazzite/

Support for Asahi Linux?

- Help us make that happen!
- https://github.com/OSInside/kiwi/issues/38
- https://fedora-asahi-remix.org/

Call for contributors!

Where to reach us?

- Atomic Desktops SIG:
  - Wiki: [Atomic Desktops](#)
  - Tracker: [gitlab.com/fedora/ostree/sig](#)
  - [#atomic-desktops:fedoraproject.org](#)
- Desktop SIGs:
  - [Workstation Working Group](#), [KDE SIG](#), [Sway](#), [Budgie](#)
- Matrix rooms:
  - [#silverblue:fedoraproject.org](#)
  - [#kinoite:fedoraproject.org](#)
  - [#sway:fedoraproject.org](#)
  - [#budgie:fedoraproject.org](#)