



Introducing fedora **Silverblue**

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Libre Application Summit 2018

Highlights

- Silverblue **is** Fedora
- The name is ... just a name
- Containers are great, we want to make them easy

Silverblue *is* Fedora

- Continuation of Fedora Atomic Workstation
- Exists since Fedora 25
- Built from Fedora rpms
- Delivered via an OSTree repository
- Applications via Flatpak

What about the name?

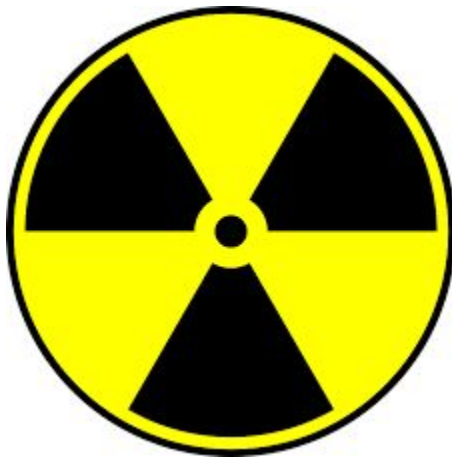
Workstation sounds a bit old-fashioned



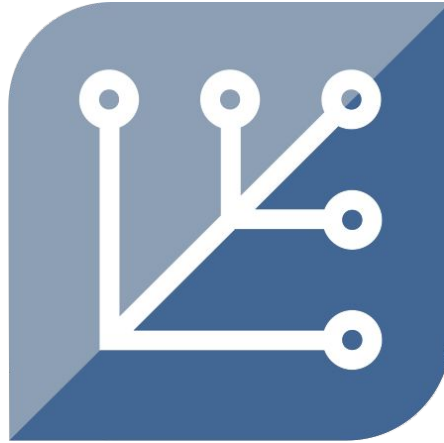
Sun SPARCstation 10 with CRT monitor, from the early 1990s

What about the name?

Atomic sounds ...dangerous



New name, New logo, New website, New channels



Web: www.teamsilverblue.org

Twitter: @teamsilverblue

Discourse: discussion.fedoraproject.org

What happens to Project Atomic?

- Umbrella project
- Atomic Host, Atomic Workstation, podman, buildah, skopeo, ...
- Atomic Host becomes Fedora CoreOS
- Atomic Workstation becomes Silverblue
- Other projects move to a new place for container tools

Silverblue is similar to Endless OS

- Image-based
- Atomic updates
- Easy rollbacks
- OSTree to distribute and deploy the OS
- Rpm-ostree allows package layering

Silverblue is similar to Endless OS

- Flatpak for applications
- Isolated from the OS
- Updated independently and safely
- Flathub for content
- Soon: Flatpaks built from rpms in Fedora

DISCOVER






















- Popular
- New & Updated
- Editor's Choice
- Editor's Choice Games

CATEGORIES

- All
- Audio & Video
- Developer Tools
- Education
- Games
- Graphics & Photography
- Communication & News
- Productivity
- Science
- Settings
- Utilities

All applications

346 results

						
0 A.D. Real-Time Strategy Game of Anci...	AbiWord A word processor	adventure-editor Classic point and click adventur...	Agenda Get things done	Aisteriot Solitaire Play many different solitaire ga...	Albion Online MMORPG open medieval fantas...	Almond The Open Virtual Assistant
						
Android Studio Integrated development enviro...	Anki Powerful, intelligent flash cards	Anydesk Your desk at any desk	AppEditor Edit application menu	Arduino IDE Open-source electronics protot...	ARK Desktop Wallet Wallet for ARK	Armagetron Advanced 3D motorcycle battle
						
AstroMenace Hardcore 3D space shooter with ...	Atom A hackable text editor for the 21s...	Atomic Tanks Turn-based artillery strategy game	Audacity Record and edit audio files	Authenticator Two Factor Authentication code...	Avidemux Multi-purpose video editing an...	AVI MetaEdit Embed, validate, and export AVI...

GNOME Software for updates and installations

- Supports Flatpak
- Basic rpm-ostree support
- Automatic updates
- Rebases (soon)
- Package layering (soon)

All

Installed

Updates **11**

Anydesk

Working together? Accessing your apps from the road? Showing family videos to your friends? No problem with AnyDesk. And y...

Source: dl.flathub.org

Remove

5.2 MB



Blender

★★★★★

Blender is the free and open source 3D creation suite. It supports the entirety of the 3D pipeline — modeling, rigging, a...

Source: dl.flathub.org

Remove

247.2 MB



Brackets

Brackets is a modern open-source code editor for HTML, CSS and JavaScript that's built in HTML, CSS and JavaScript. • TO...

Source: dl.flathub.org

Remove

317.5 MB



Builder

★★★★★

Builder is an actively developed Integrated Development Environment for GNOME. It combines integrated support for e...

Source: dl.flathub.org

Remove

105.3 MB



Corebird

★★★★★

Corebird is a native GTK+ twitter client that provides vital features such as Direct Messages (DMs), tweet notifications, c...

Source: dl.flathub.org

Remove

16.5 MB



CuteMarkEd

A Qt-based, free and open source Markdown editor with live HTML preview, math expressions, code and markdown syntax ...

Source: dl.flathub.org

Remove

51.9 MB



D-Feet

A simple application for debugging the message bus system D-Bus. D-Feet can be used to inspect D-Bus interfaces of running...

Source: dl.flathub.org

Remove

2.1 MB



darktable

darktable manages your digital negatives in a database and lets you view them through a lighttable. It also enables you to devel...

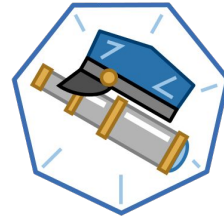
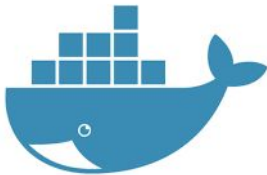
Source: dl.flathub.org

Remove

25.9 MB

Supporting developers

- Container tools: docker / podman / buildah / skopeo
- Mini-openshift / oc
- But: no gcc / gdb / strace in the base image



Supporting developers

No dnf either



Supporting developers

Use containers to get the tools you need

```
$ buildah from --name tools fedora  
$ buildah commit tools toolbox  
$ podman create toolbox
```

```
$ dnf install gdb gcc strace
```

Other alternatives

- GNOME Builder
- flatpak-builder

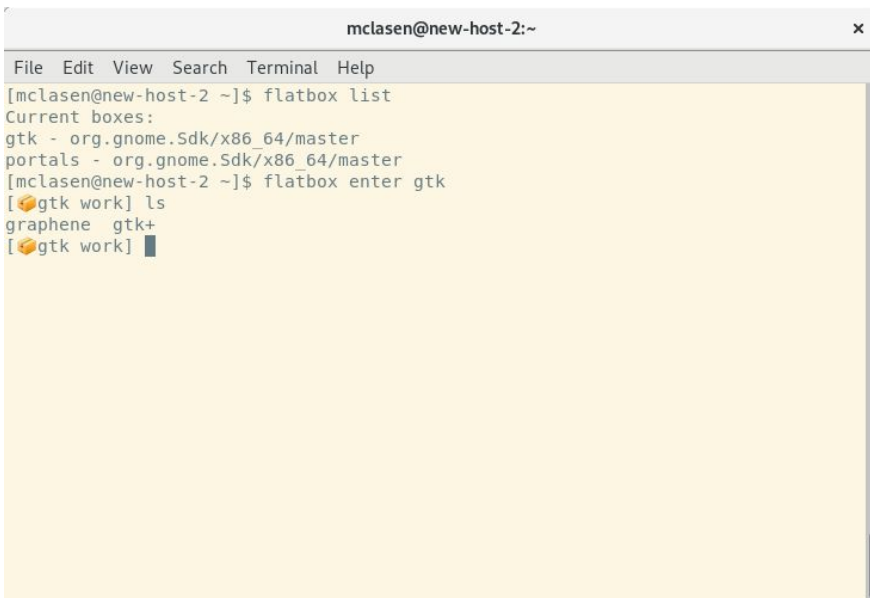


```
$ flatpak install flathub org.gnome.Builder
```

```
$ flatpak install flathub org.flatpak.Builder
```


And more...

- Flatbox
- Toolbox (coming soon)

A terminal window titled "mclasen@new-host-2:~" with a menu bar (File, Edit, View, Search, Terminal, Help). The terminal shows the following commands and output:

```
[mclasen@new-host-2 ~]$ flatbox list
Current boxes:
gtk - org.gnome.Sdk/x86_64/master
portals - org.gnome.Sdk/x86_64/master
[mclasen@new-host-2 ~]$ flatbox enter gtk
[🍌gtk work] ls
graphene gtk+
[🍌gtk work] █
```

Not all roses

Rawhide is still rawhide:

- broken composes
- failing boots

Booting the previous image is easy → **fearless updates**

When can you try it out ?

February 2018: Fedora Atomic Workstation SIG founded

Spring 2018: Fedora 28 includes a preview of Silverblue

Fall 2018: Fedora 29, first Silverblue release

Spring 2019: Fedora 30, Silverblue ready for prime time (?)

References

Silverblue website: www.teamsilverblue.org

Silverblue docs: docs.teamsilverblue.org

Forum: discussion.fedoraproject.org

Flathub: www.flathub.org



fedora
Silverblue