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
GNOME Software for updates and installations

- Supports Flatpak
- Basic rpm-ostree support
- Automatic updates
- Rebases (soon)
- Package layering (soon)
<table>
<thead>
<tr>
<th>Application</th>
<th>Description</th>
<th>Size</th>
</tr>
</thead>
<tbody>
<tr>
<td>Anydesk</td>
<td>Working together? Accessing your apps from the road? Showing family videos to your friends? No problem with AnyDesk. And y...</td>
<td>5.2 MB</td>
</tr>
<tr>
<td>Blender</td>
<td>Blender is the free and open source 3D creation suite. It supports the entirety of the 3D pipeline — modeling, rigging, a...</td>
<td>247.2 MB</td>
</tr>
<tr>
<td>Brackets</td>
<td>Brackets is a modern open-source code editor for HTML, CSS and JavaScript that's built in HTML, CSS and JavaScript. • TO...</td>
<td>317.5 MB</td>
</tr>
<tr>
<td>Builder</td>
<td>Builder is an actively developed Integrated Development Environment for GNOME. It combines integrated support for e...</td>
<td>105.3 MB</td>
</tr>
<tr>
<td>Corebird</td>
<td>Corebird is a native GTK+ twitter client that provides vital features such as Direct Messages (DMs), tweet notifications, c...</td>
<td>65.5 MB</td>
</tr>
<tr>
<td>CuteMarkEd</td>
<td>A Qt-based, free and open source Markdown editor with live HTML preview, math expressions, code and markdown syntax ...</td>
<td>51.9 MB</td>
</tr>
<tr>
<td>D-Feet</td>
<td>A simple application for debugging the message bus system D-Bus. D-Feet can be used to inspect D-Bus interfaces of running...</td>
<td>2.1 MB</td>
</tr>
<tr>
<td>darktable</td>
<td>darktable manages your digital negatives in a database and lets you view them through a lighttable. It also enables you to deve...</td>
<td>29.9 MB</td>
</tr>
</tbody>
</table>
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)
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