

Atomic Workstation

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DevConf.cz 2018



What is Fedora Atomic Workstation?

- Regular Fedora, based on RPMs
- Shipped in a different way

All

Installed

Updates 5

**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 program...

Remove

System Applications

**Cheese**
★★★★★

Cheese uses your webcam to take photos and videos, apply effects, and lets you share the fun with others. Take multiple photos...

**Contacts**
★★★★★

Contacts keeps and organize your contacts information. You can add and link together pieces of information about your contacts...

**Disk Usage Analyzer**
★★★★★
Utilities

A simple application to keep your disk usage and available space. Usage Analyzer can scan specific folders, storage devices and...

**Eye of GNOME**
★★★★★
Utilities

The Eye of GNOME is the official image viewer for the GNOME desktop with the GTK+ look and feel of GNOME, and supports many image...

**Firefox**
★★★★★

Bringing together all kinds of awesomeness to make browsing your favorite sites quickly - even if you don't remember the...

**gedit**
★★★★★

gedit is the official text editor of the GNOME desktop environment. Its simplicity and ease of use, gedit is a powerful general purpose...


**GNOME Boxes**
★★★★★

A simple GNOME 3 application to access remote or virtual machines. Other virtual machine management software, Boxes is targeted...

Details

- About
- Date & Time
- Users
- Default Applications

About



Fedora 27

Device name	localhost.localdomain
Memory	3.9 GiB
Processor	Intel® Core™ i7-4600U CPU @ 2.10GHz
Graphics	Unknown
GNOME	Version 3.26.2
OS type	64-bit
Virtualization	Oracle
Disk	16.1 GB

Check for updates

Atomic Workstation: changing the way we ship Fedora Workstation

- Base image updatable as a single unit
- Applications separate

Base image: rpm-ostree

- Composed from rpms
- ostree - “git for binaries”
- Atomic updates and rollbacks

Finally an easy way to test rawhide!

- rpm-ostree makes it easy to switch between trees
- It doesn't work: just boot back to stable F27
- Shared home directory

Updating Atomic Workstation

- Base image: prepare update online, reboot into new system
- No downtime for updates; easy rollback
- Flatpaks: update online

Hacking Atomic Workstation

- rpm-ostree admin unlock
- Layered rpms

Applications

- Flatpaks (currently only available from 3rd party sources)
- Layered rpms

Flatpaks in Fedora

- Plan is to take Fedora srpms and rebuild them as Flatpaks
- Base runtime doable without rebuilding rpms, just repacking

QA-ing Atomic Workstation

- No more combinatorial explosion with rpms
- Base image testable as a single unit

Thanks for attention!

<https://fedoraproject.org/wiki/Workstation/AtomicWorkstation>

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