Atomic Workstation

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What is Fedora Atomic Workstation?

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