

2018-03-09_Fedora-Atomic-WG-vFAD

<https://pagure.io/atomic-wg/issue/429>

Join the meeting via BlueJeans - <https://bluejeans.com/dmabe>

[Attendees]

- Dusty Mabe (dustymabe - IRC)
- Micah Abbott (miabbott - IRC)
- Colin Walters (walters)
- Neal Gomba (Conan_Kudo / Pharaoh_Atem / King_InuYasha / Son_Goku - IRC)
- Sinny Kumari (ksinny - IRC)
- Mike Oliver (mklvr - IRC). I'm new here. No mic.
- Jonathan Lebon (jlebon - IRC)
- Christopher McIntyre (cgmcintyre -IRC) No vid :(
- Ruixin (Peter) Bao (rubao|laptop -IRC)
- Jason Brooks (jbrooks - IRC)
- Mohan Boddu (mboddu -IRC)
- Elbert Fliek (elbertfliek - IRC)
- Steve Milner (ashcrow - IRC)
- Matthias Clasen (mclasen - iRC)
- Sanja Bonic (sanja - IRC)
- Michael Scherer (misc -IRC)

[wait for people to join] [5 minutes] **15:00 UTC**

* 20 participants at max time

[possibly do introductions] [10 minutes] **15:05 UTC**

- what is your name, what is your irc nick, why are you here :) ?
- order of people goes by attendee list above (so no awkward pauses)

[upstream technology] **15:15 UTC**

- (walters) rpm-ostree rojig - short presentation/demo (from walters) [5 minutes] **15:15 UTC**
 - big picture: Fedora used to be just RPMs. Now we have RPMs, Docker containers, ostree. Confusion ensues!
 - goal of rojig: remove ostree from the rel-eng process; make it more like RPMs
 - Fedora Atomic Host Continuous (FAHC) - <https://pagure.io/fedora-atomic-host-continuous>
 - the 'rojig' RPM has a 'Requires:' on the exact version of all packages in the ostree
 - client downloads RPM metadata, RPMs on the wire. no more ostree on the wire. no depsolving done by the client.
 - still reliable image system; has same reproducibility, transactional upgrade/rollback, commit log history, etc
- (walters) rpm-ostree rojig - Q&A [max 10 minutes] **15:20 UTC**
 - how does rojig work differently than ostree when creating the final system?
 - each dependent RPM is downloaded into a separate ostree ref/branch; the client only downloads the RPMs that are not present/doesn't have an ostree ref
 - could deltarpm be leveraged as part of rojig to reduce bandwidth usage?
 - big picture: driving towards OCI for apps. deltas are hard; we'll work towards them
 - how does this help/hurt mirroring?
 - hard to mirror ostree content with available solutions. with rojig, anything that can mirror an RPM can work seamlessly
 - jigdo vs rojig?
 - rojig was a rename from jigdo, because jigdo was used elsewhere in the community (jigsaw download = jigdo, rpm-ostree jigsaw download = rojig)
 - timeline for deployment in fedora?
 - colin wants it deployed as fast as possible. aggressively aiming for Fedora 29.
 - can we truly remove packages from the base compose instead of custom composing an ostree?
 - there is work to be done to get there, but rojig could make it easier
- (micah) podman - pros/cons to including it in the host vs using as a container (micah) [10 minutes] **15:30 UTC** 3/9/18, 1:07 PM
 - <https://github.com/projectatomic/libpod>
 - Podman is an alternative to managing/running containers without Dockah
 - Interested in possibly not shipping the Docker daemon in Atomic Host in the future

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- (micah) podman - pros/cons to including it in the host vs using as a container (micah) [10 minutes] **15:30 UTC**
 - <https://github.com/projectatomic/libpod>
 - Podman is an alternative to managing/running containers without Docker
 - Interested in possibly not shipping the Docker daemon in Atomic Host in the future
 - podman could be another option
 - negatives for pulling in podman into Atomic Host
 - it's extra bloat for now (can't drop Docker yet)
 - buildah - an option for building containers without Docker
 - can run buildah in a container
 - would it make sense to run podman in a container
 - we should be able to do something like this using runc
 - we DO need at least one CLI in the host, though, as this is very valuable from a testing perspective!
 - If you alias docker=podman, would it work?
 - <https://github.com/projectatomic/libpod/blob/master/transfer.md>
 - for some commands it would just work, others not yet

[Atomic workstation] **15:40 UTC**

- (walters) dev/pet container tools - gather links to examples/docs [20 minutes] **15:40 UTC**
 - collect links to everyone's pet containers; share the knowledge + best practices
 - is your container privileged?, how do you share data with the host/container, etc?
 - <https://github.com/cgwalters/dockerfiles>
 - <https://github.com/coreos/toolbox>
 - we need a cheat sheet or user guide for various use cases when using a CLI that is not on the host and is running in a container
 - case: how to setup TUI IRC client like irssi
 - case: how to build SRPM under mock
 - case: deploy a mysql backed bugzilla with email capabilities
 - case: new developer testing software, explaining pet containers, optimizing them
 - case: i want to use FAW, but my employer has their toolchain based on ubuntu...how do i adequately run the ubuntu containers
 - best practices for keeping pet/CLI/tools containers up to date?
 - idea: when 'rpm-ostree upgrade' is run, some way of triggering rebuilds/upgrades containers/flatpaks
 - when do i try to create a container vs using package layering (rpm-ostree install)?
- (walters) Minimizing content set in FAW [10 minutes] **16:00 UTC**
 - <https://pagure.io/workstation-ostree-config/pull-request/74>
 - worth reading workstation PRD - https://fedoraproject.org/wiki/Workstation/Workstation_PRD
 - minimize differences between workstation + atomic workstation
 - pre-installed flatpaks will solve a lot of problems that result if we rip things out of the base install
 - there is a positive experience to having a lot of defaults installed out of the box - LibreOffice, Firefox, music player
 - eliminates the need for a new user to 'figure out the world'
 - idea: super minimal install of FAW + FAW with sensible defaults out of the box
 - idea: 'welcome' prompt that bounces you to GNOME Software to install packages
 - who is the target audience?
 - initial target should be technical users?
- (sanja) suggestion for rebranding atomic workstation [20 minutes] **16:10 UTC**
 - suggestion from Neal: Fedora Screw You Technical Edition
 - Fedora Workstation vs Fedora Atomic Workstation still confusing

[community direction] **16:30 UTC**

- (sanja) discussion on whether Project Atomic needs to step away from the "umbrella" and make it clear what it's about, spin off projects [20 minutes] **16:30 UTC**
 - Project Atomic is confusing from external users
 - Should Atomic Host and Atomic Workstation be separate projects?
 - Atomic name conveys the type of system (i.e. immutable host, transactional updates/rollbacks)
 - produce Atomic variants of Workstation, Server, Cloud
 - Confusion over who Project Atomic is targeting
 - opinion: Atomic name is overloaded between Project Atomic, Atomic Host, atomic CLI, Atomic Workstation
 - opinion: Project Atomic umbrella is good, but it is not obvious if it can be leveraged for non Fedora/CentOS projects

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- opinion: Atomic name is overloaded between Project Atomic, Atomic Host, atomic CLI, Atomic Workstation
- opinion: Project Atomic umbrella is good, but it is not obvious if it can be leveraged for non Fedora/CentOS projects
- opinion: the name of the project doesn't matter, it is the technology that was the big draw
- suggestion:
 - include more downstreams promotion/content on projectatomic.io (endless OS, etc).
- in order to make the project/technology successful, we need to make it more accessible
- need more examples of running things like atomic, buildah, podman, rpm-ostree, ostree on non Fedora/CentOS projects
- idea: can we make a PoC spin of openSUSE using rpm-ostree?
- Is Project Atomic a developer community or a user community?
- idea: guide on how to spin your own RPM-based distro using ostree/rpm-ostree
- Atomic Host/Container Linux is used to build 'other things', i.e. apps on top of the platform
 - Project Atomic could be leveraged to build the platform (i.e variants of Atomic Host) to build other things
- feedback from new user: "The project atomic site does not seem like a good starting point for a new user, but it is the place you go to to learn about fedora atomic. The blog posts and talks are the only useful places to learn more about how to use it. A dedicated fedora atomic site with more docs would be better from a user perspective. That would allow you to target the project atomic pages to devs"
- idea: landing page on projectatomic.io that directs visitors based on their use case
 - i am a end user, i am a developer interested in contributing, i am interested in spinning my own distro, etc
- Project Atomic could be a successful umbrella if we can focus our content on specific tech; need to get away from the kitchen sink approach
- idea: Focus on curated container content
 - regular overview posts saying 'this was released, that was released, go here for more info'
- opinion: if the project has a previous identity, it does not need to live under the PA umbrella
- We need additional input from other stakeholders outside of the Fedora community
 - i.e. Endless OS?, CentOS?, openSUSE?, other upstream projects?

[Q&A for users]

- (walters) Q&A session for atomic host/workstation users [5 minutes] **16:55 UTC**

[open floor]

- <https://github.com/projectatomic/container-best-practices>
- <https://github.com/projectatomic/atomic-host-docs>
 - both of these will get published at docs.projectatomic.io