Container Plumbing
Days 2023 Kickoff

Commentary on container usage and related technologies

Brent Baude
Senior Principal Software Engineer
Your speaker

Brent Baude, Podman Architect
Senior Principal Software Engineer, Red Hat
Containers are ubiquitous
Non-traditional uses on the rise

Automobiles
Collaboration with the auto industry has pushed change in the tooling.

Embedded
Containers have proven effective in embedded devices.

Edge
Edge devices favor containers for reproducibility and advantages in distribution/rollback.
Container use on the desktop has inspired innovation resulting in the realization of new use cases. New use cases have resulted in new technologies.

Desktop use inspires more innovation
Trends
Future shifts for containers

Specialization
Some use cases require specific tooling

Security focus
New adopters will require more security control

OCI artifacts
Container images are not just container images.

Kubernetes simplification
Desktop and user focussed tooling demystifies K8s.
Tearing the cover off containers

Known challenges already exist

- **Multiarch image registries**
  Embracing desktop architectures at the very least.

- **Secure supply chain**
  Provenance and trust need to be established and simplified.

- **Image deduplication**
  Standardization of container images to reduce bandwidth and disk consumption.
Thank you

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