Container Testing with conu

Rado Pitonak and Clément Verna
How to test your containers?

Applications are tested but container tests are missing

Container testing for

- Standalone applications
- Orchestrated applications
conu

Python API for containers

Support for many container engines

- Podman
- Openshift
- Kubernetes
- Docker

Provides helpful functions for testing containers
Examples

Demo


More examples

- https://github.com/user-cont/conu/tree/master/docs/source/examples
How do we use it in Fedora?

Bodhi (Fedora Update System)

- Integrates with different services
- Integration tests use conu to start services and run tests on them
- Example tests need a Database container

Fedora Container CI

- Testing container built by Fedora Container build system (OSBS)