Colin and Zdravomil,  
the linting heroes
Motivation - Best practices

- Docker specific rules common for all docker images
- Distribution specific rules
- Nice and healthy containers
- Tool for checking that the image has everything needed
container linter
Introduction

- Nice and easy to use CLI
- Python API
- Default and fedora specific checks and rules
- Open to creating custom checks and rule sets
- Targets
  - images (podman)
  - Dockerfiles
  - ostree
colin

Check

- Python class implementing the logic
- Contains metadata
  - description
  - reference url
  - tags
- Can have 3 results - PASS, FAIL or ERROR
colin

Ruleset

- Set of rules that apply to images in a group
- Rule - check + metadata
- Fedora and Default rulesets included in colin core
- Easy to define - json or yaml
Demo time!
Zdravomil

Introduction

- Slavic name for “The One Who Likes Health”
- Member of user-cont bot family
- Container wrapper for colin Dockerfile checks
  - Automatically runs colin on Dockerfiles
  - Triggered by events in infrastructure
  - Reports results
Zdravomil

State

- Code recently open sourced
- Runs in celery + openshift
- Has to be used with ucho - https://github.com/user-cont/UCHO
- Repository needs to have github2fedmsg webhook set https://github.com/fedora-infra/github2fedmsg
- Not running in the infrastructure at the moment
Zdravomil

Second demo!
Questions?

Source and places for filing issues and collaboration:

- colin - https://github.com/user-cont/colin
- zdravomil - https://github.com/user-cont/zdravomil
- ucho - https://github.com/user-cont/ucho
- frambo - https://github.com/user-cont/frambo

Or contact us:

- user-cont@redhat.com