CKI Team Intro

Cyborg Infra Workshop 2021: Day 1

Iñaki Malerba

Michael Hofmann

CKI: What

Prevent bugs from being merged into kernel trees by providing CI as a service

Kernel developers

- Onboard new kernel trees
- Run compile and testing pipelines for Linux kernels from Brew, Koji, git repos, GitLab MRs, Patchwork, ...
- RPM package gating
- Provide infrastructure for the new kernel workflow
- Part of Always Ready Kernel project...

Test Maintainers

- Onboard new kernel test (frameworks)
- Configuration of targeted testing
- Visualization and statistics for test failures

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CKI: What

(Un)holy alliance of Bash, Python and GitLab CI YAML

- ▶ GitLab pipeline per kernel revision, testing in Beaker

- ▶ Platforms: OpenShift, OpenStack, Beaker, AWS EC2

- ▶ RabbitMQ AMQP messaging cluster hosted on AWS

CKI: Who

Always Ready RHEL and Quality

Donald Zickus (gray-bearded senior leader)

Fendy Tjahjadi (kernel tests)

Eliska Slobodova (people manager)

Rachel Sibley (kernel tests lead)

Jakub Racek (provisioning/test interface)

Juanje Ojeda (kernel tests)

Inaki Malerba (web UI, infrastructure)

Nikolai Kondrashov (upstream, test database)

Ondrej Kinst (email reporter)

Veronika Kabatova (tech lead, plumbing)

Michael Hofmann (infrastructure, plumbing)

CKI: Where

Internal project moving into public space still WIP...

Public

- Documentation: https://cki-project.org/docs

- Code: https://gitlab.com/cki-project

- Epics/issues: https://gitlab.com/cki-project

- Pipelines: https://gitlab.com/redhat/...

- CI/CD: GitLab

- Cloud: AWS (EC2, S3, Lambda, Route53)

Internal

- Confluence

- Jira FASTMOVING project

- Secrets and deployment config on gitlab.cee

- Internal GitLab runners

- Cloud: PSI OpenShift/OpenStack

- Beaker

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