

(Mostly) Self-testing infrastructure updates

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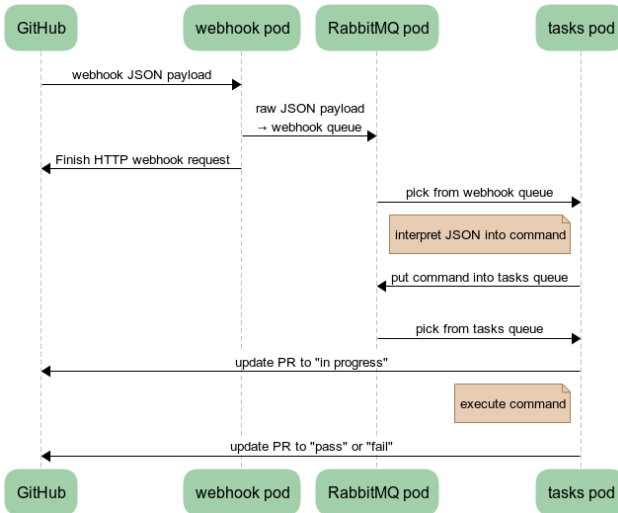
Workload overview

GitHub workflows as much as possible

Own infra for /dev/kvm: tests, image builds

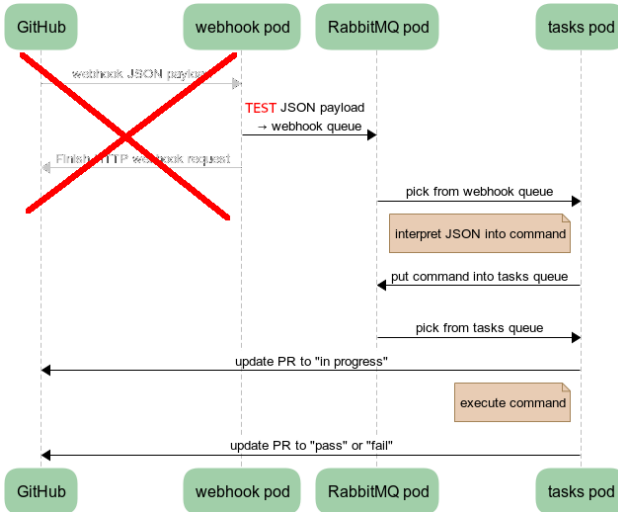
- Bunch of **tasks containers** on powerful machines
- Plus GitHub API glue and credentials

Production event flow



Webhook payload → AMQP code

Infra PR event flow



Running the infra locally

run-local.sh:

- Generate fake secrets and simple configuration
- Run pods: AMQP, tasks, VM images/logs
- Tests for interaction between these
- Interactive shell
- Run PR test and update statuses

DEMO!

Running the infra on PRs

cockpituous repo has **test workflow**:

- rebuild changed containers
- calls `run-local.sh` with standard `$GITHUB_TOKEN`

Successful PR

Broken PR

Almost the **same workflow** on bots repo

Future improvements

- `run-local.sh` custom podman code → k8s yaml
- emulate/mock GH API and test a whole PR locally
- exercise Firefox/Chromium from the tasks container

Links/Documentation

- github.com/cockpit-project/cockpituous
- github.com/cockpit-project/bots
- `#cockpit` on libera.chat, cockpit-devel@lists.fedorahosted.org