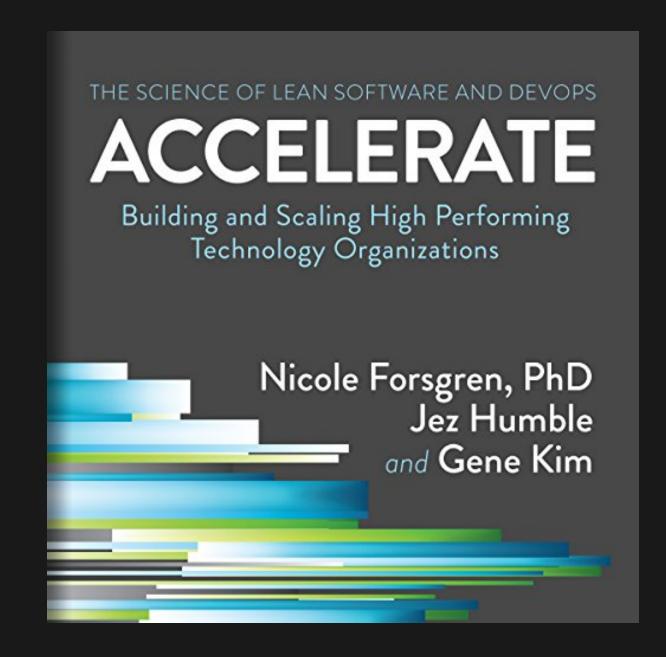
Continuous Deployment with Kubernetes basics

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Why

- Lead Time
- DeploymentFrequency
- Mean Time to Recovery
- Change to Fail



See also DevOps Handbook and Pracice of Cloud Sys Administrator

Basics

As in developement, we fight the complexity:

- decoupling
- cutting dependencies
- removing dead code

Conventions

over tools!

- Copy&paste: Makefile, .gitlab-ci.yml, README.md, Dockerfile, helm, ...
- Change few lines
- You are ready to go

Conventions

over tools!

- Tools also leads to rigity [*]
- Rigity and Coupling = Complexity
- Extracting/Discovering tools should be ongoing process

[*] aka shall we extract a common module?

Conventions

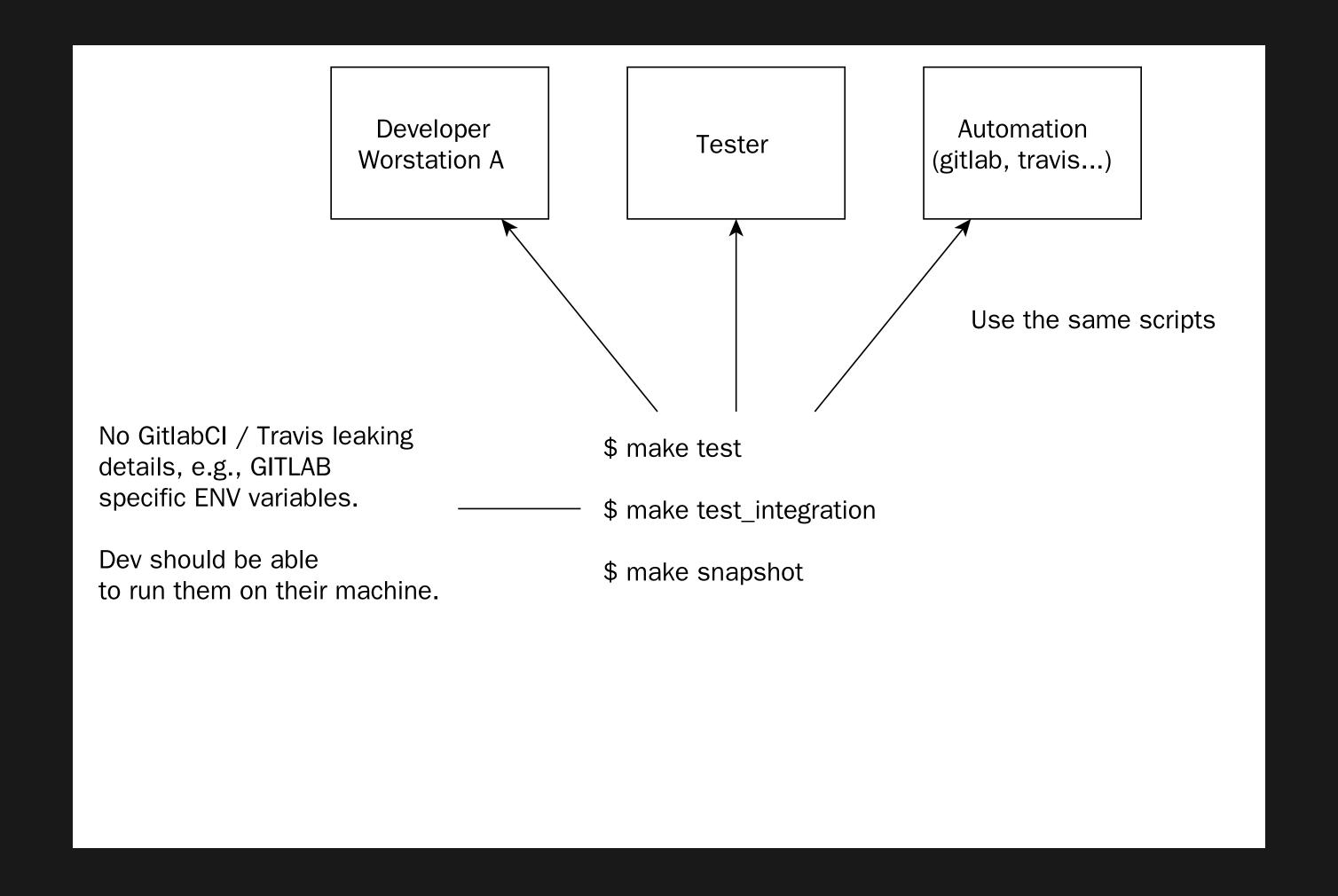
over tools!

As many as possible steps from our CI/CD should be runnable on your laptop.

Principles

- CD starts at the developer workstation
- every dev and tool do things the same way (parity)

Basics



Makefile or your tool of choice

Basics

ITERATION 1

helm or kustomize

ITERATION 2

helm

ITERATION 3

• helm + ...

Slide 1

Slide 2