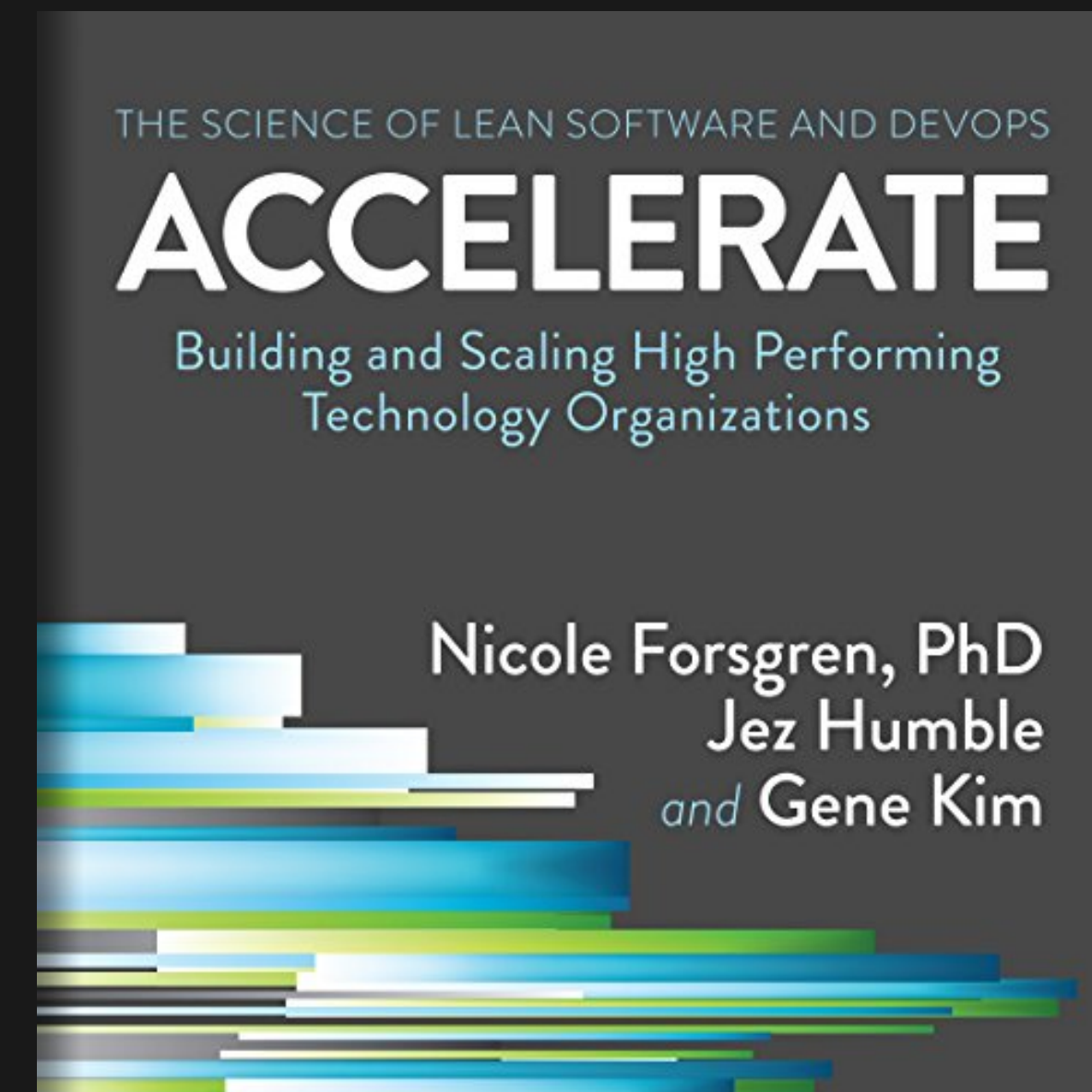


Continuous Deployment with Kubernetes basics

Wojciech Barczyński
wbarczynski.pro@gmail.com

Why

- **Lead Time**
- **Deployment Frequency**
- Mean Time to Recovery
- Change to Fail



See also [DevOps Handbook](#) and [Pracice of Cloud Sys Administrator](#)

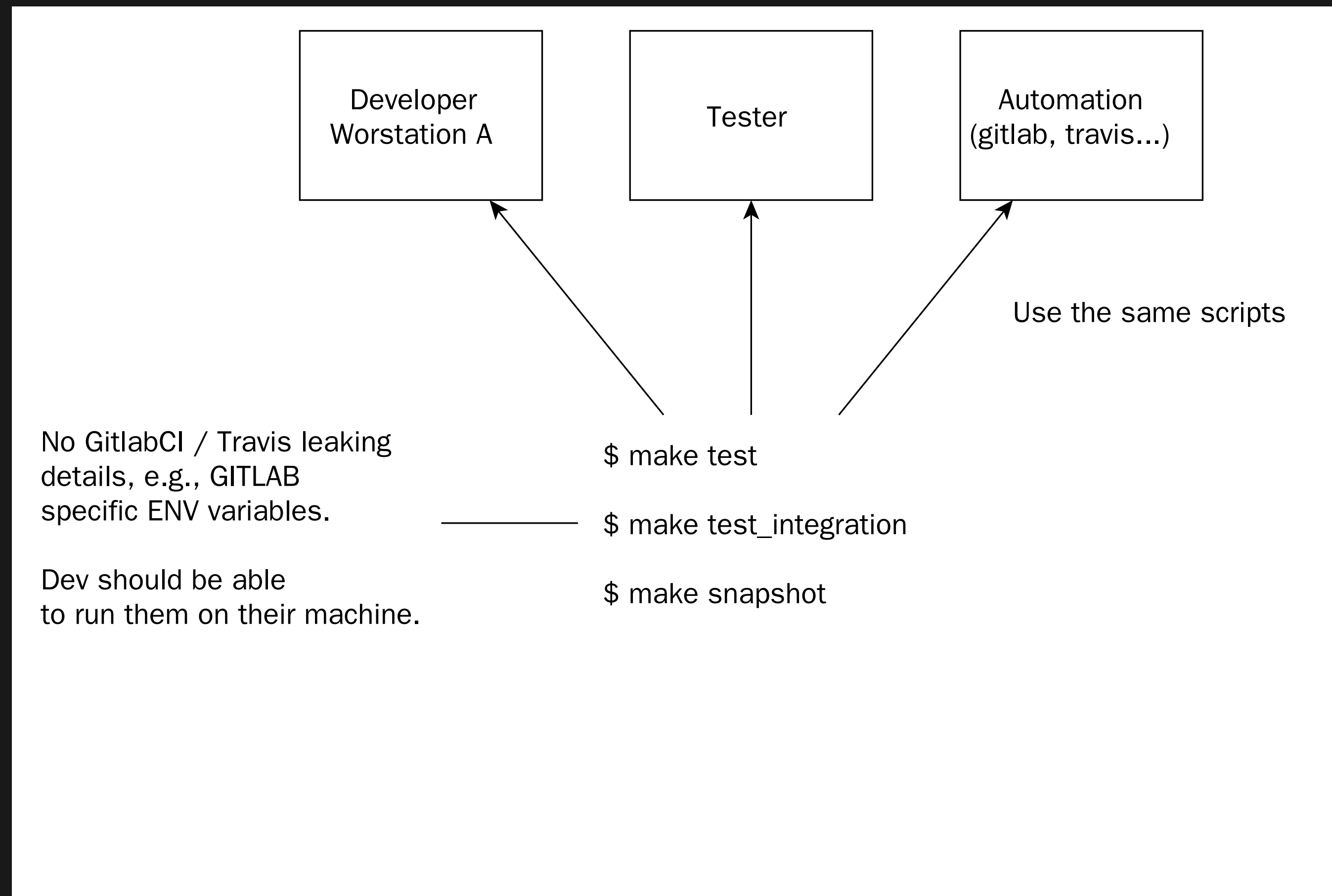
Principles

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

Basics

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

Basics



Makefile or your tool of choice

Basics

As in developement, we fight the complexity:

- decoupling
- cutting dependencies
- removing dead code

Basics

```
|-.gitlabci/  
|   \- ...  
|  
|- deployment  
|   |- kube-service.yaml  
|   \- kube-deployment.yaml  
|  
|- tools/  
|   \- Makefile.ext  
|  
|- Dockerfile  
\- Makefile
```

ITERATION 1

- helm or kustomize

ITERATION 2

- helm

ITERATION 3

- helm + ...

Slide 1

Slide 2