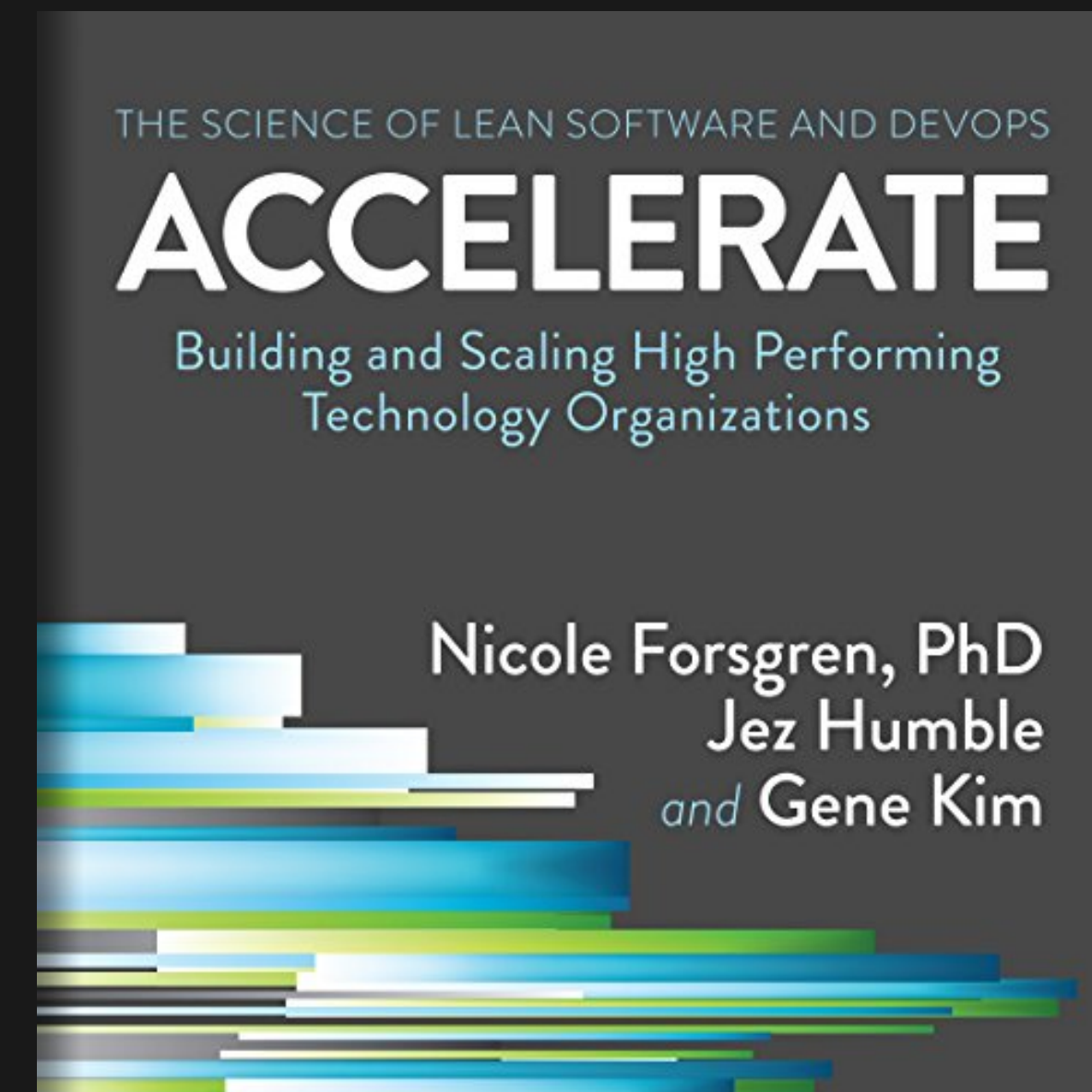


# Continuous Deployment with Kubernetes basics

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# Why

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



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

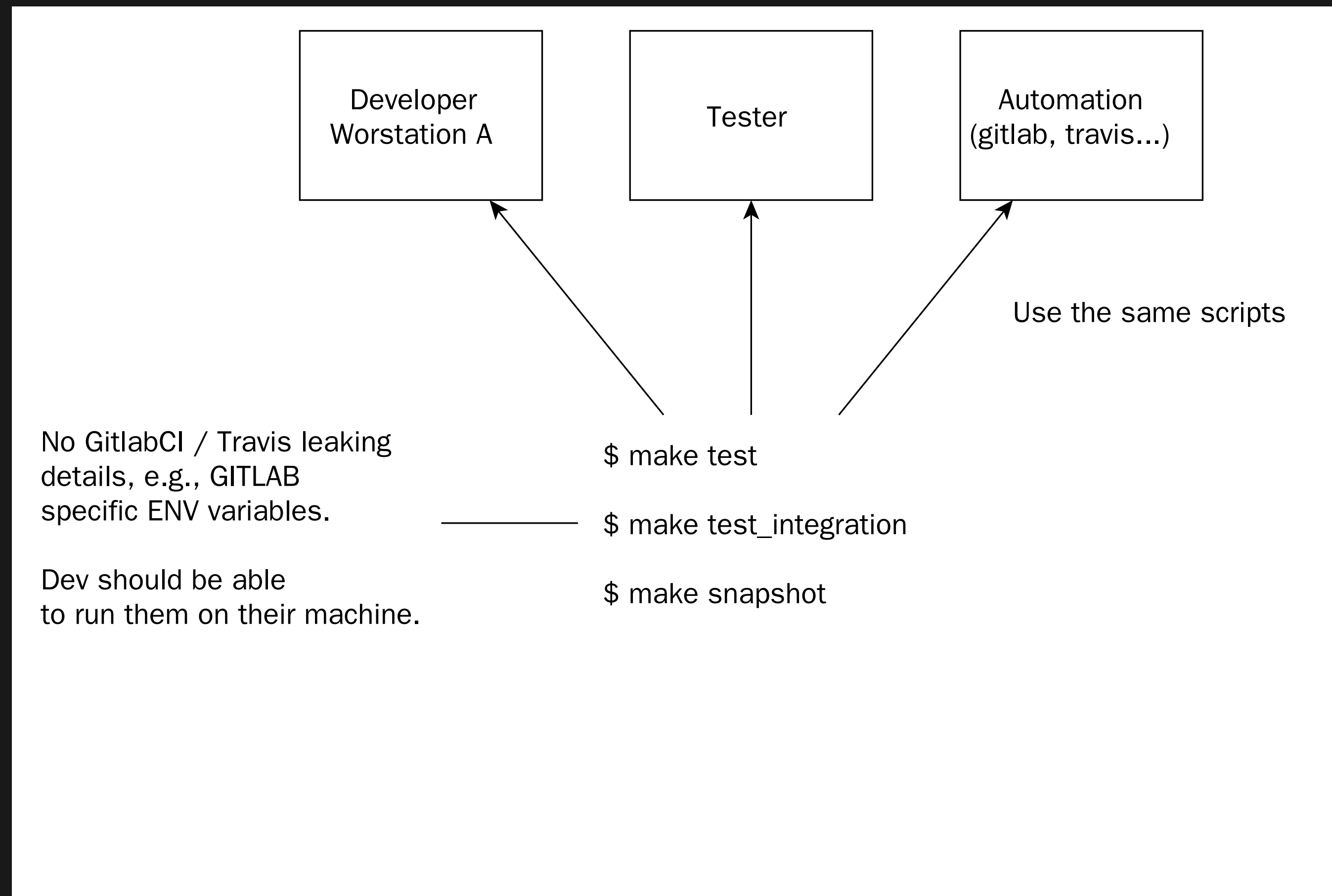
# Principles

- 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