



FIVE HOPS TO DEVOPS

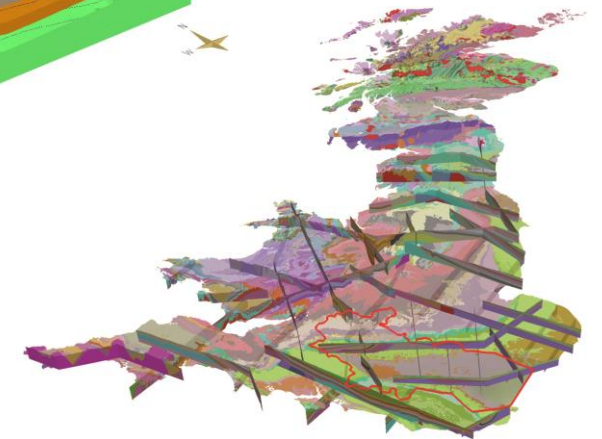
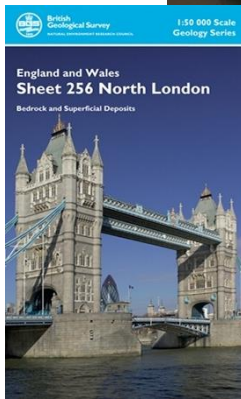
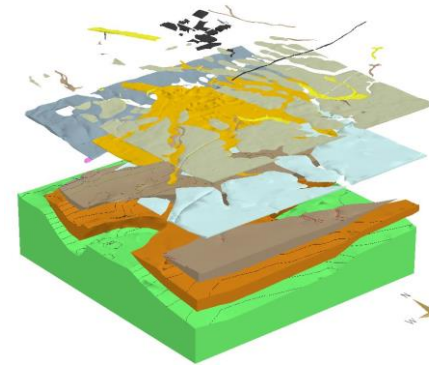
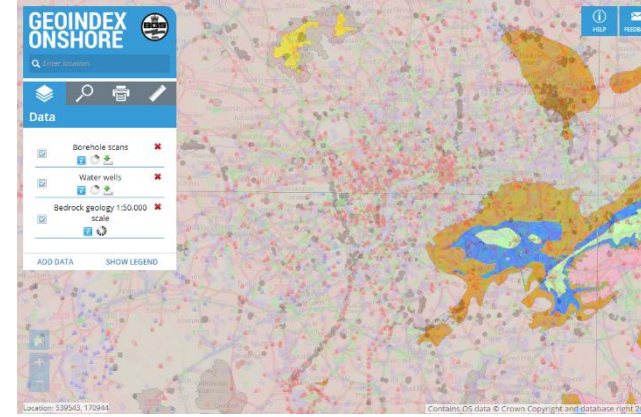
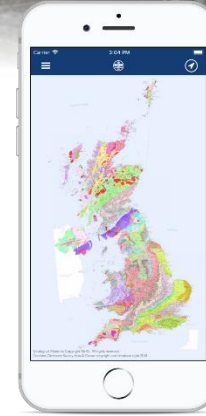
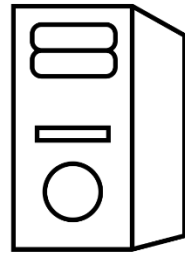
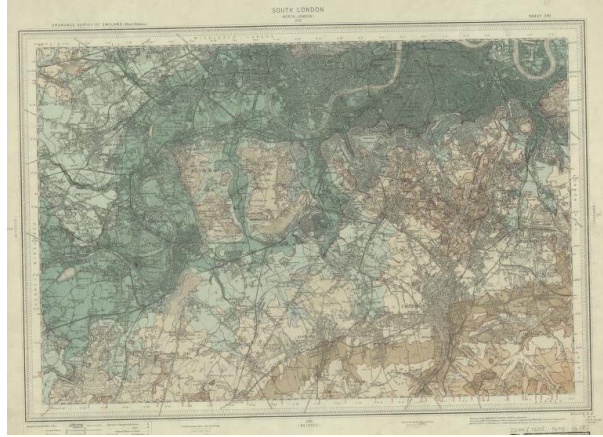
CHANGING THE CULTURE AROUND SOFTWARE DEPLOYMENT IN THE PUBLIC SECTOR

ANDREW BEAN



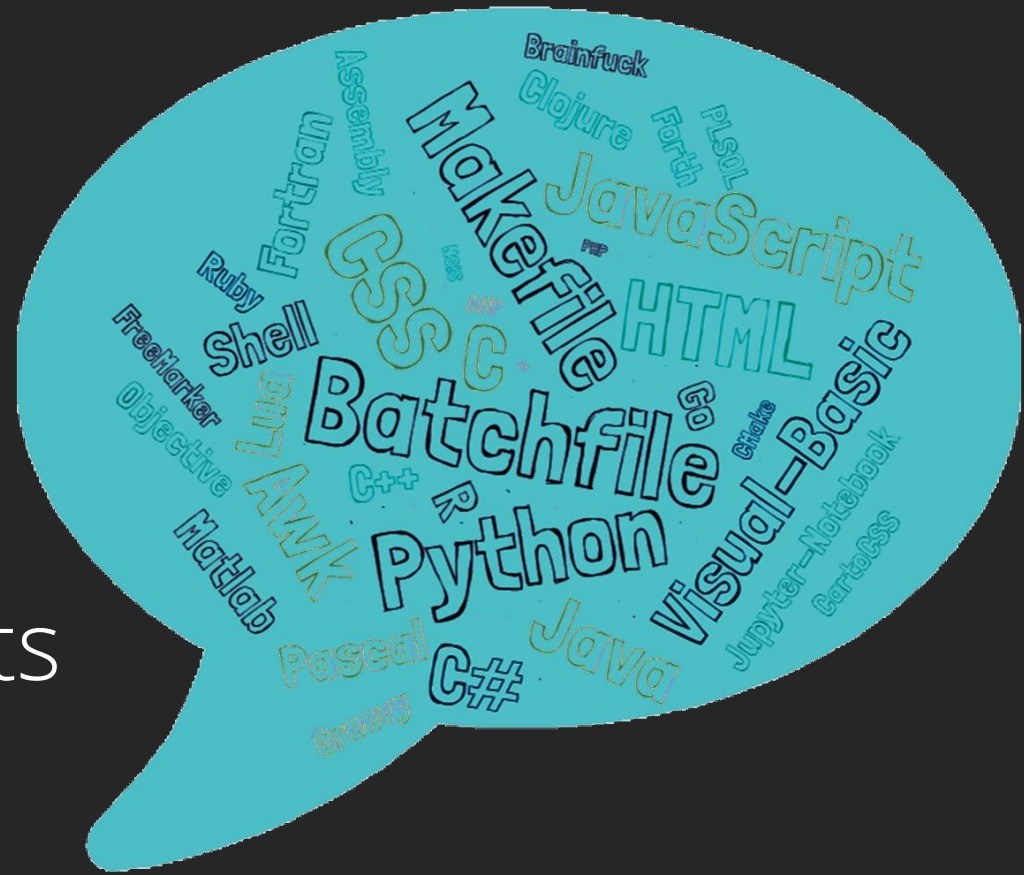
British Geological Survey
NATURAL ENVIRONMENT RESEARCH COUNCIL

Gateway to the Earth



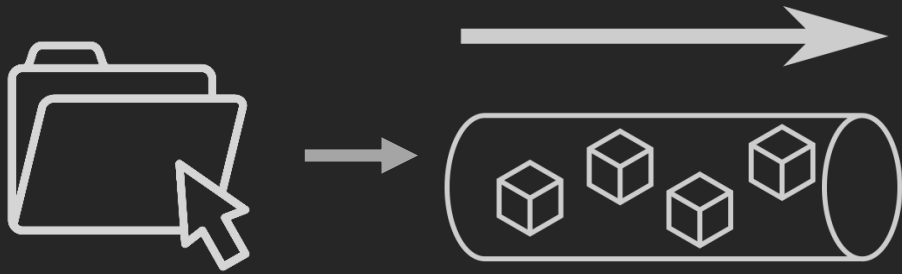
Software at BGS

- Heterogeneous
- Developers and Scientists
- Varied outputs / requirements
- Isolated, monolithic, infrequently deployed

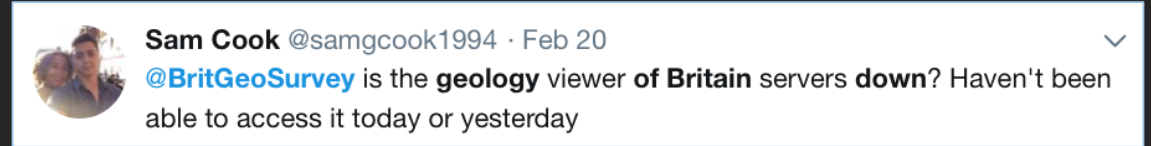


Enter DevOps?

CI / CD



Monitoring & Logging

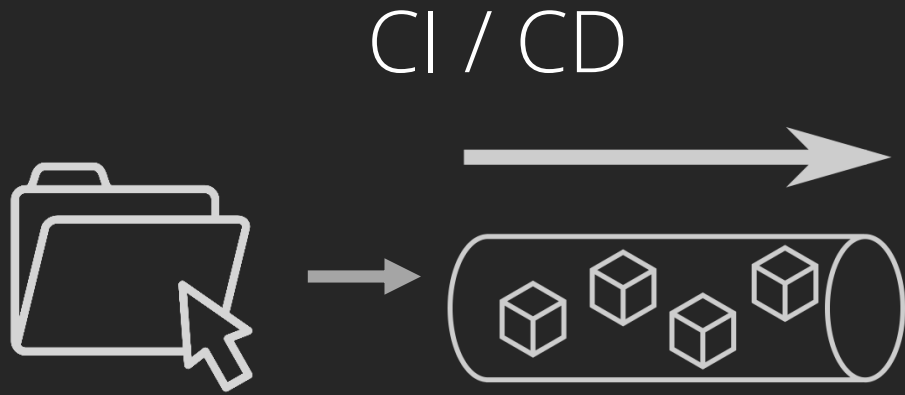


Infrastructure as code



Microservices

Enter DevOps?



Monitoring & Logging



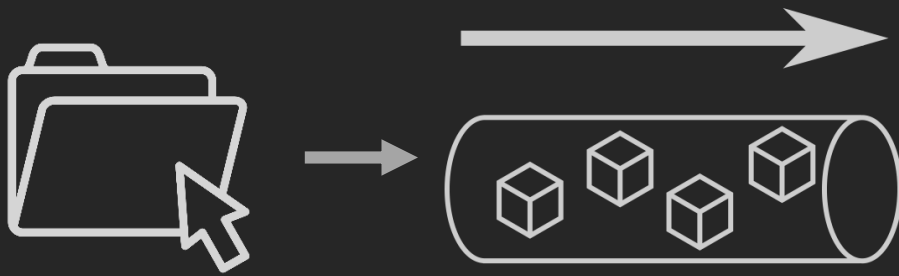
Infrastructure as code



Microservices

Enter DevOps?

CI / CD



Monitoring & Logging

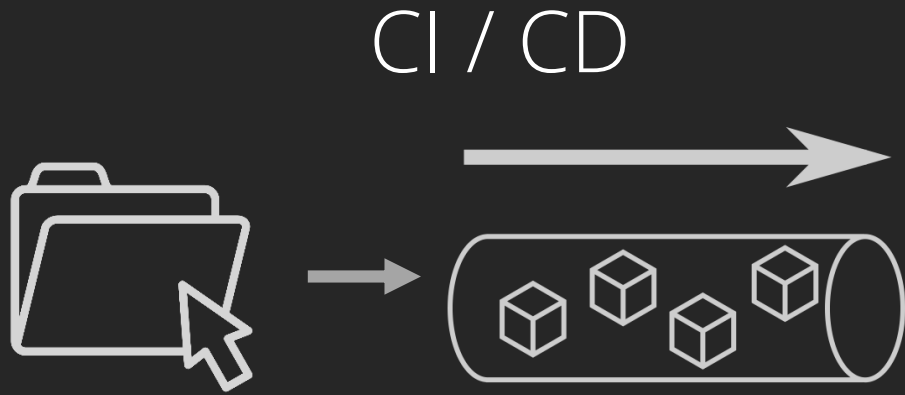


Infrastructure as code



Microservices

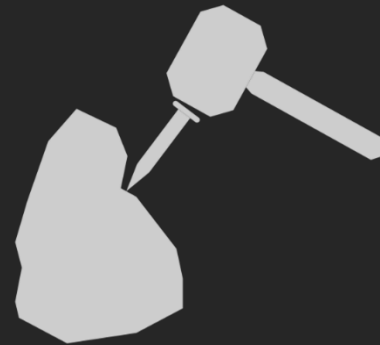
Enter DevOps?



Monitoring & Logging



Infrastructure as code



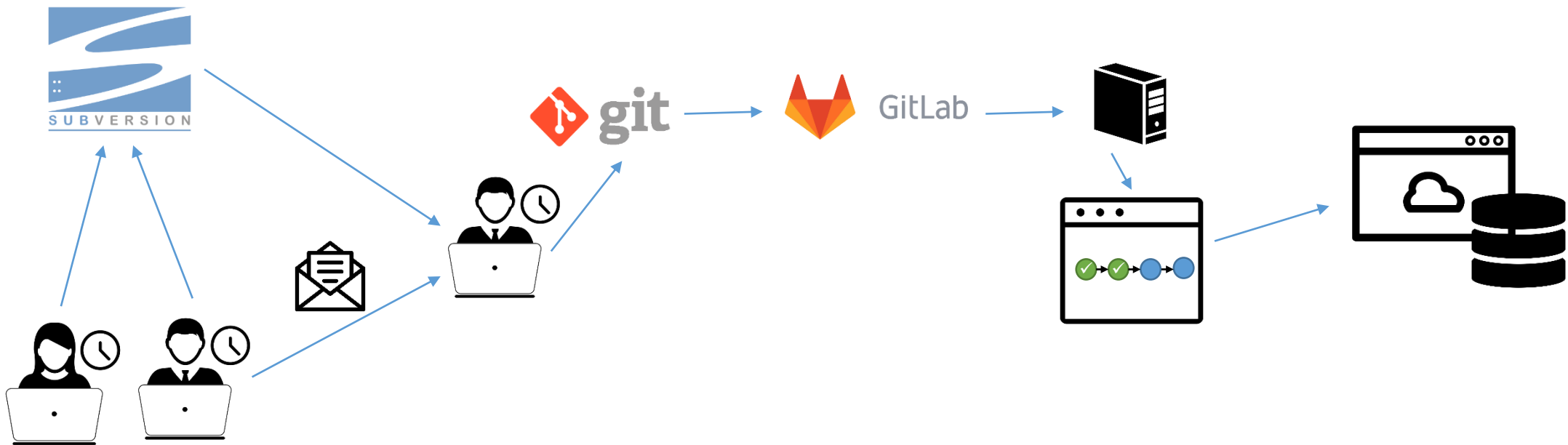
Microservices

'HOP' #1

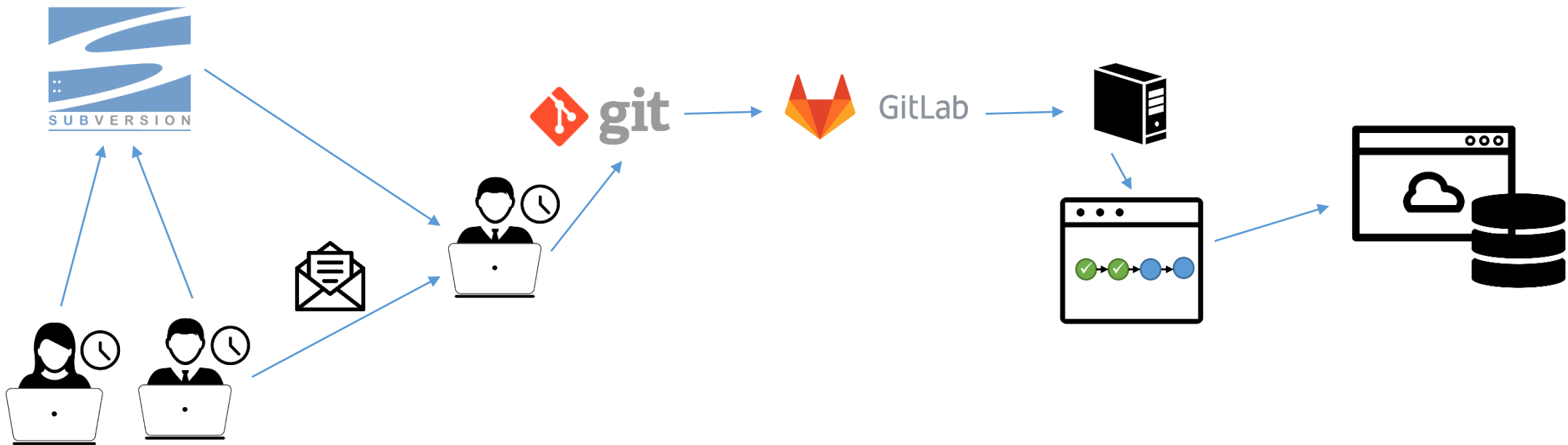


IT'S NOT ALL OR NOTHING

One step at a time...



One step at a time...



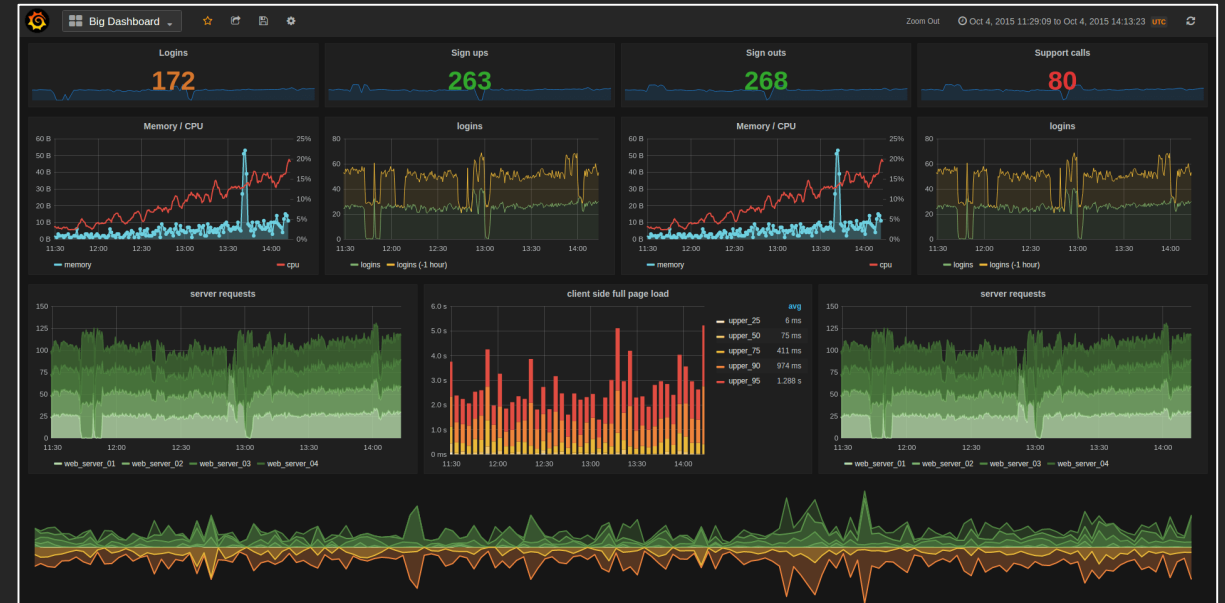
'HOP' #2 

MAKE IT SIMPLE, SELL IT WELL

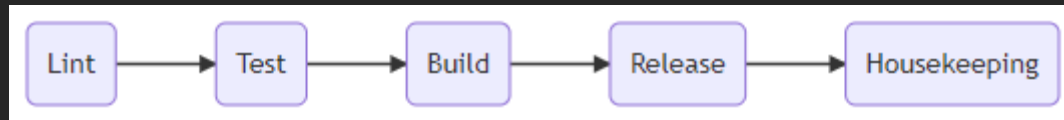
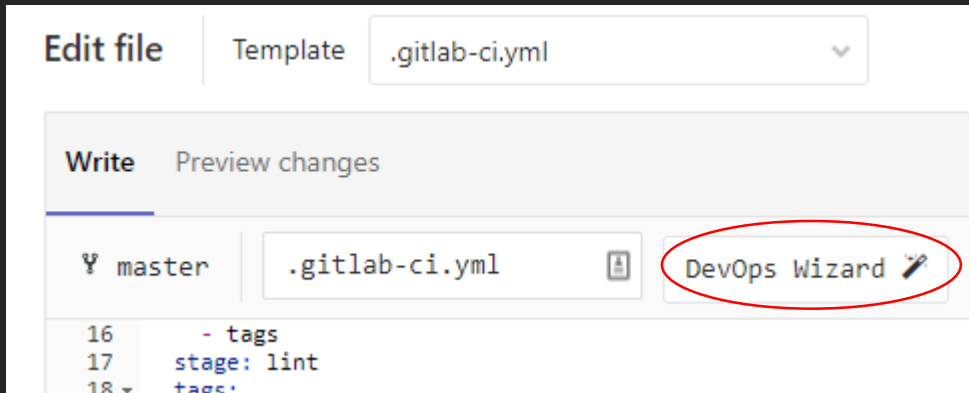
Management

Developers

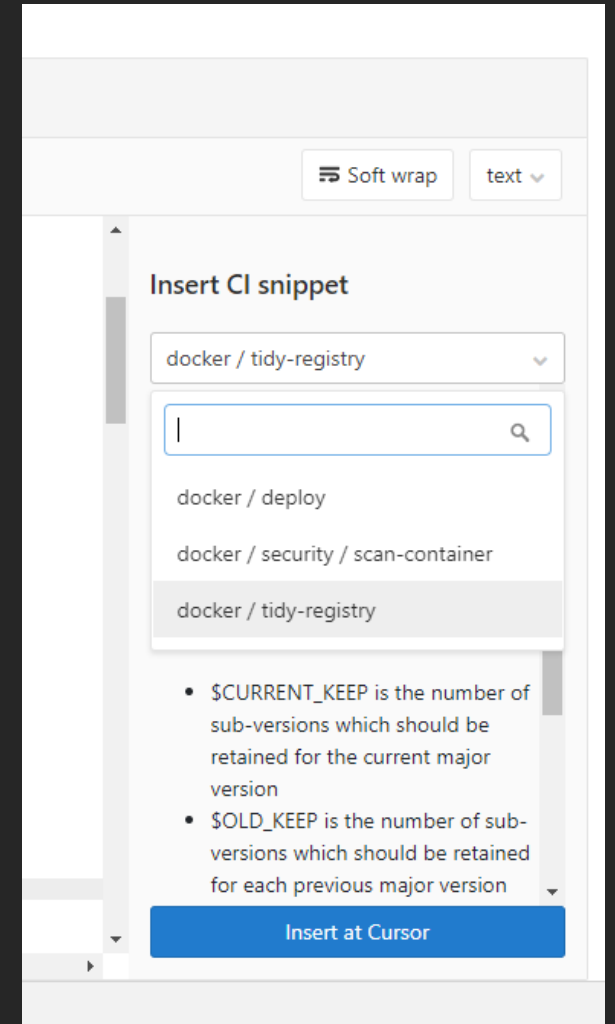
Operations



YAML – Yes, Another Mess to Learn!



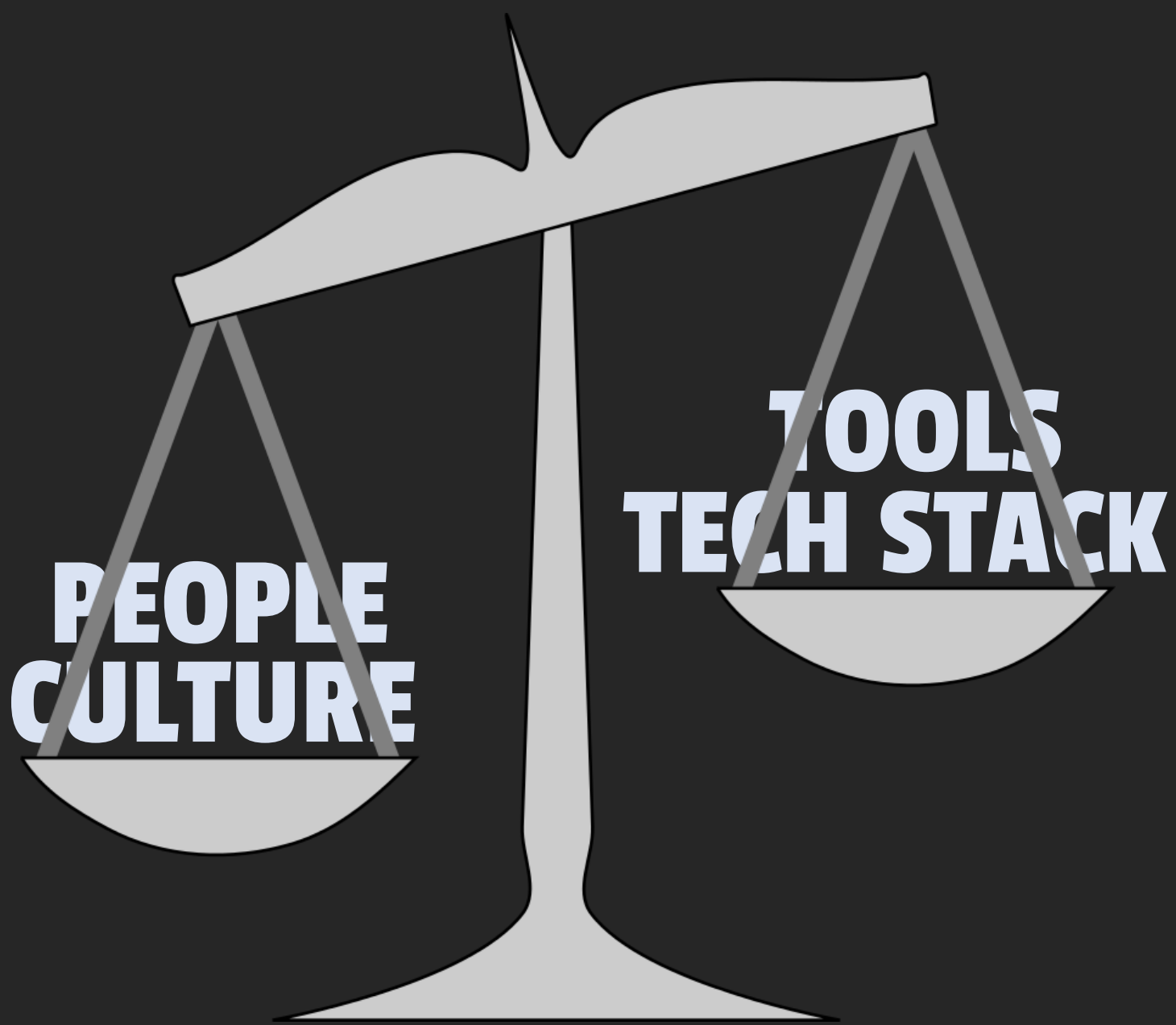
GitLab



'HOP' #3



ONE SIZE DOES NOT FIT ALL



**PEOPLE
CULTURE**

**TOOLS
TECH STACK**

'HOP' #4



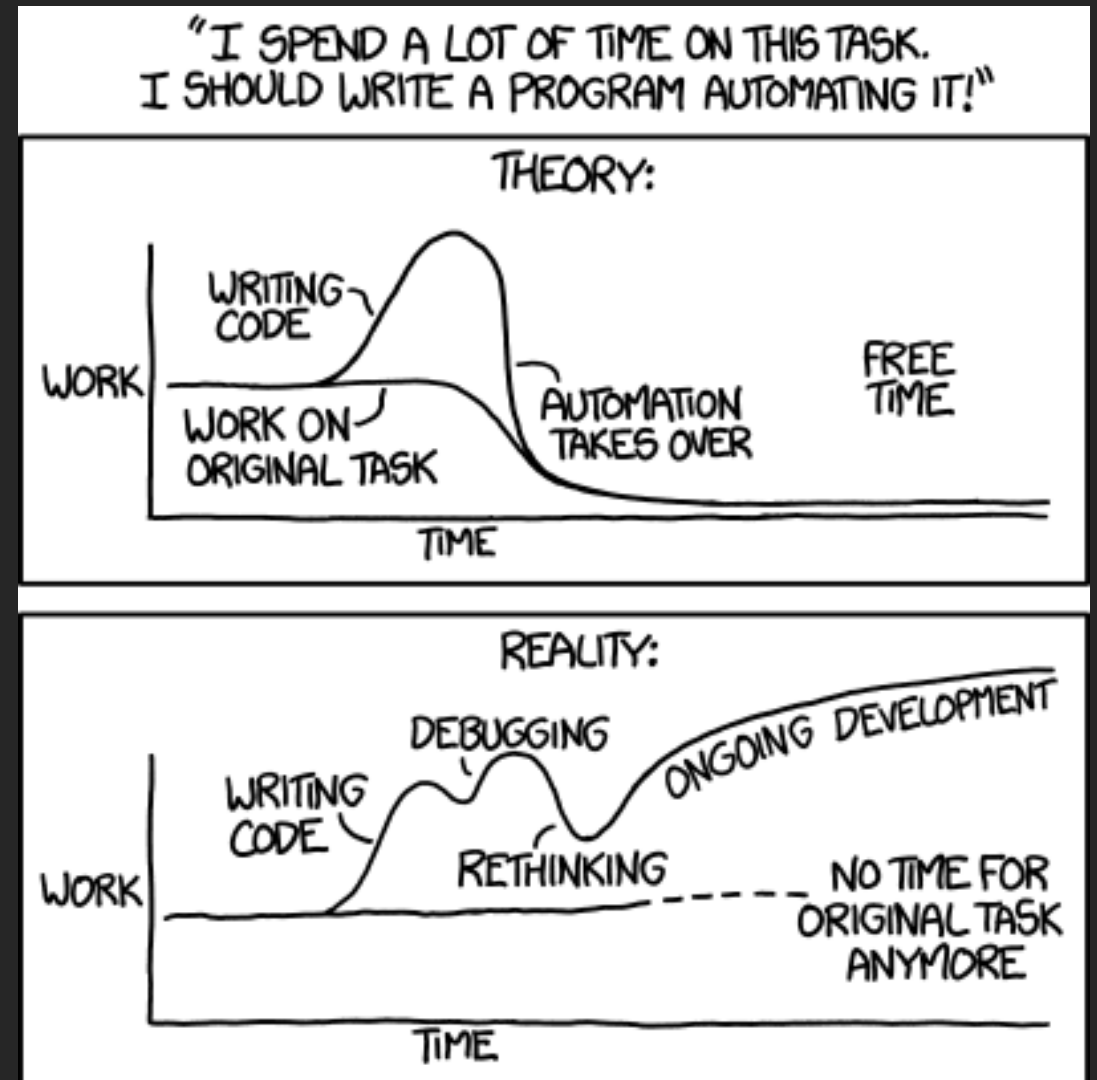
IT'S NOT ONE PERSON'S ROLE

Don't be "the" DevOps person

Have champions

Encourage responsibility in all team members

Consider DevOps at project planning / scoping



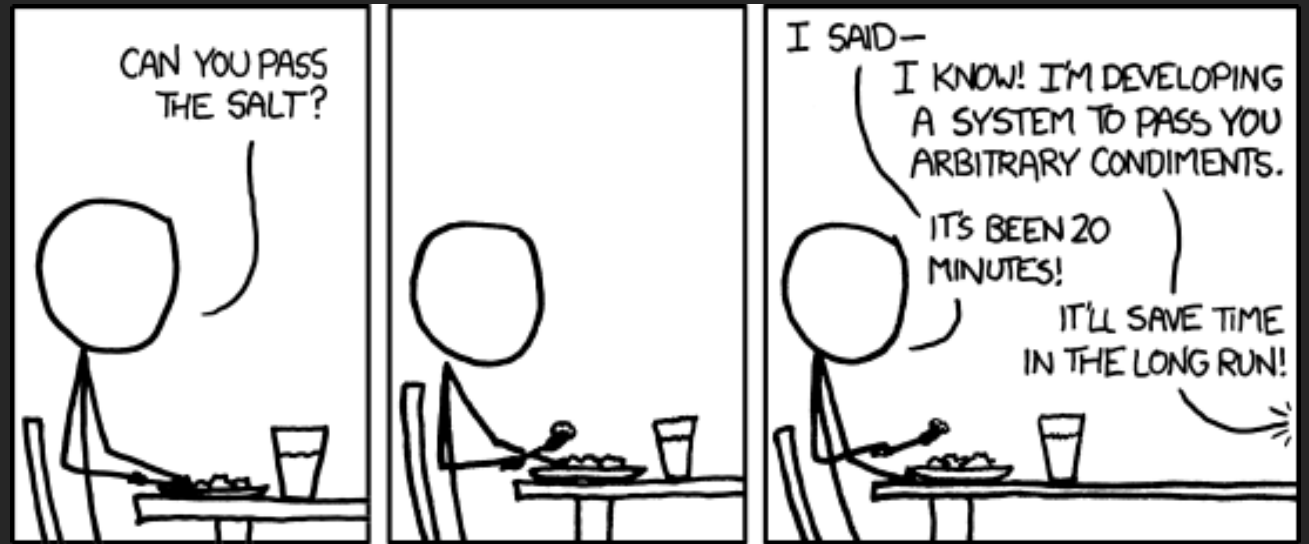
'HOP' #5



**IT MEANS DIFFERENT THINGS
TO DIFFERENT PEOPLE**

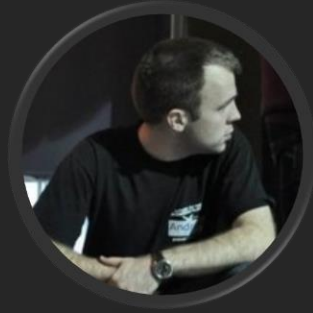
(AND THAT'S OK)

Is it worth it?



© xkcd.com

- Reliability
- Ease of deployment
- Security
- Consistency
- Frequency of deployment
- Reduced manual workflow
- Process Transparency
- Stakeholder Engagement



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