Continous .*

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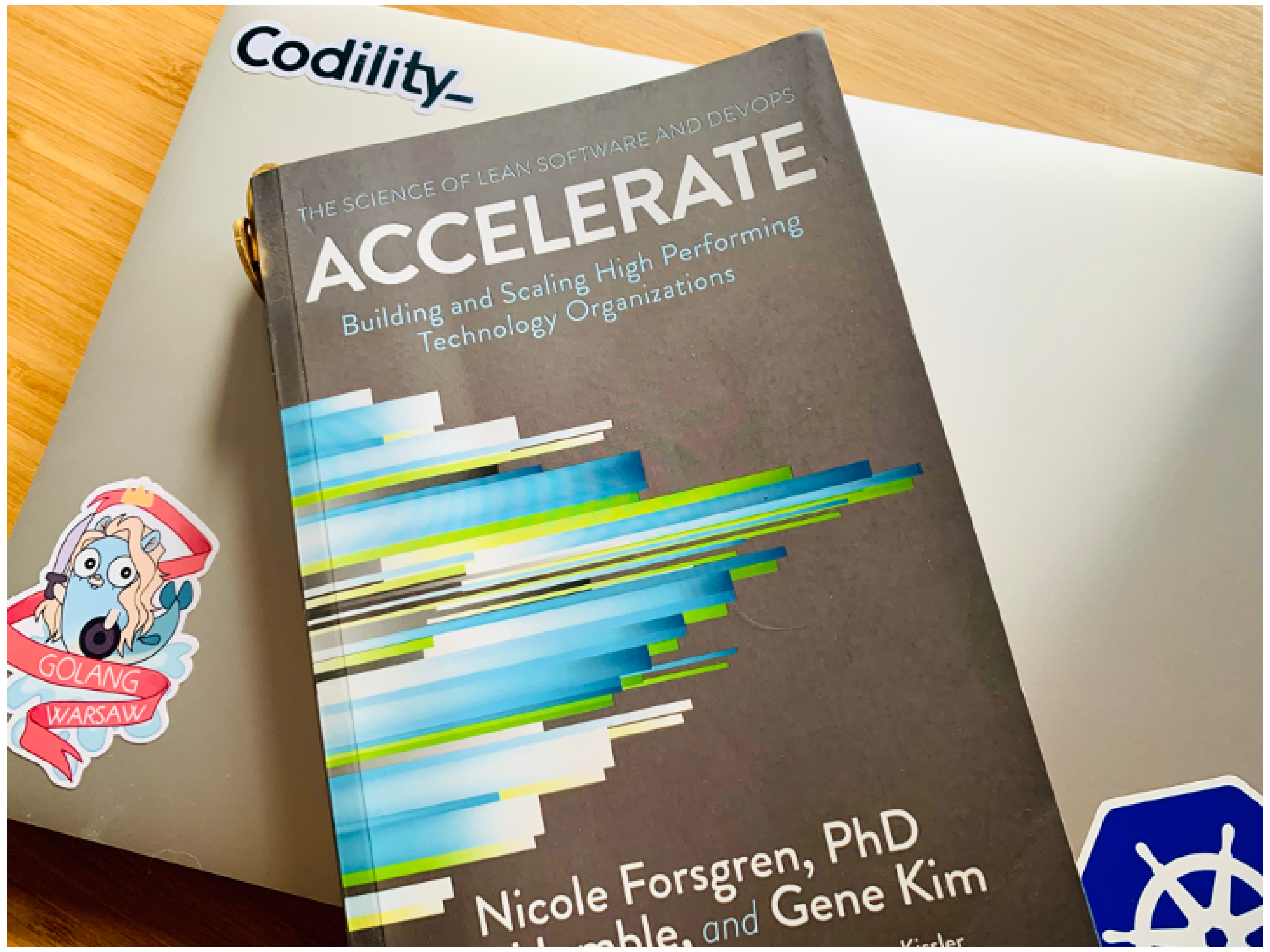
Cource materials

github.com/wojciech11/se_software_build_automation_tools

High performance teams

(Tech) metrics:

- Lead Time
- Deployment frequency
- Mean time to Recovery
- Change Fail Percent


Codility_
THE SCIENCE OF LEAN SOFTWARE AND DEVOPS
ACCELERATE
Building and Scaling High Performing Technology Organizations
Nicole Forsgren, PhD
and Gene Kim
GOLANG
WARSAW

High performance teams

Not only technical:

- Trust
- Psycological safety
- High cooperation
- ...

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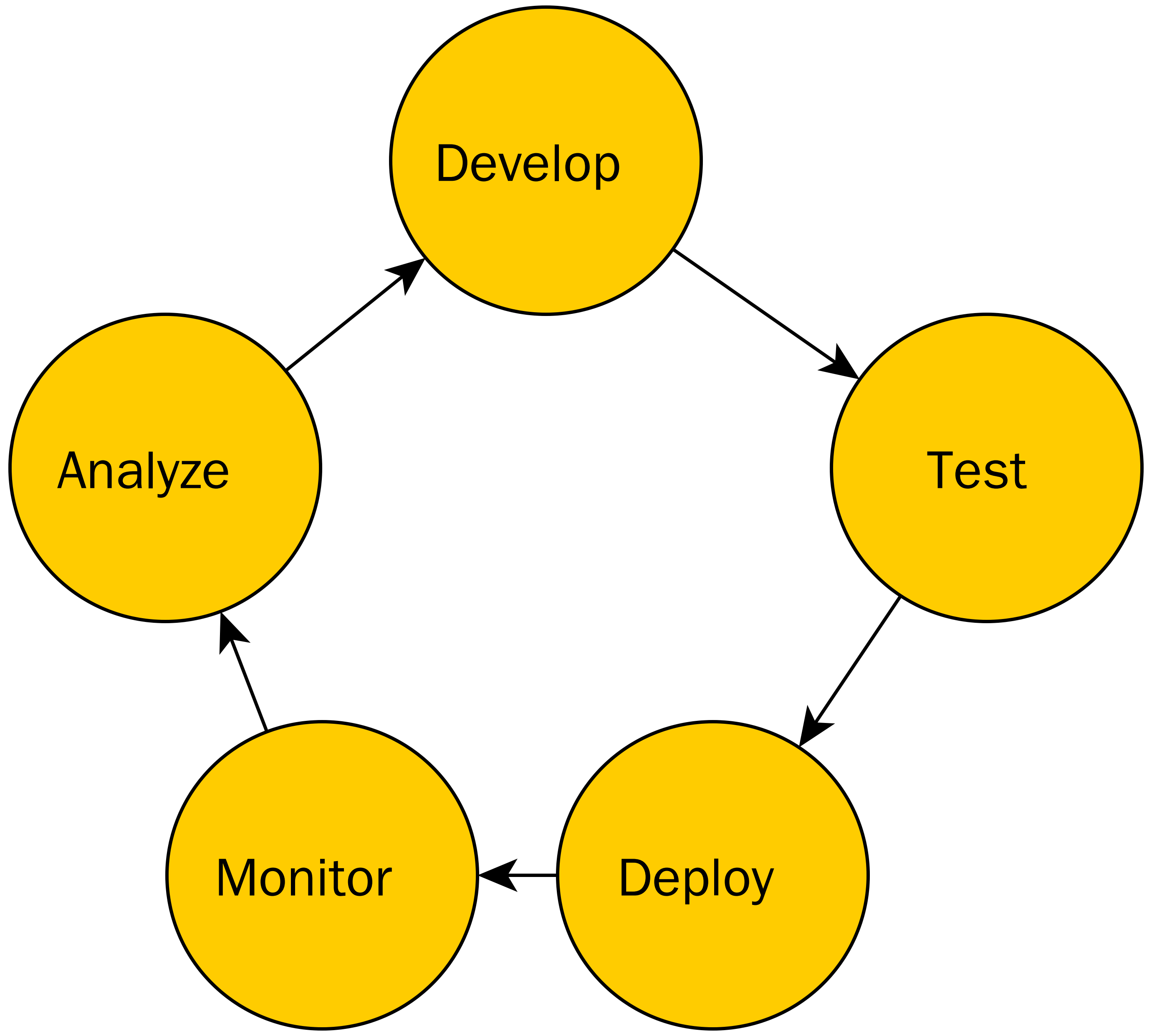
CONTINUOUS .*



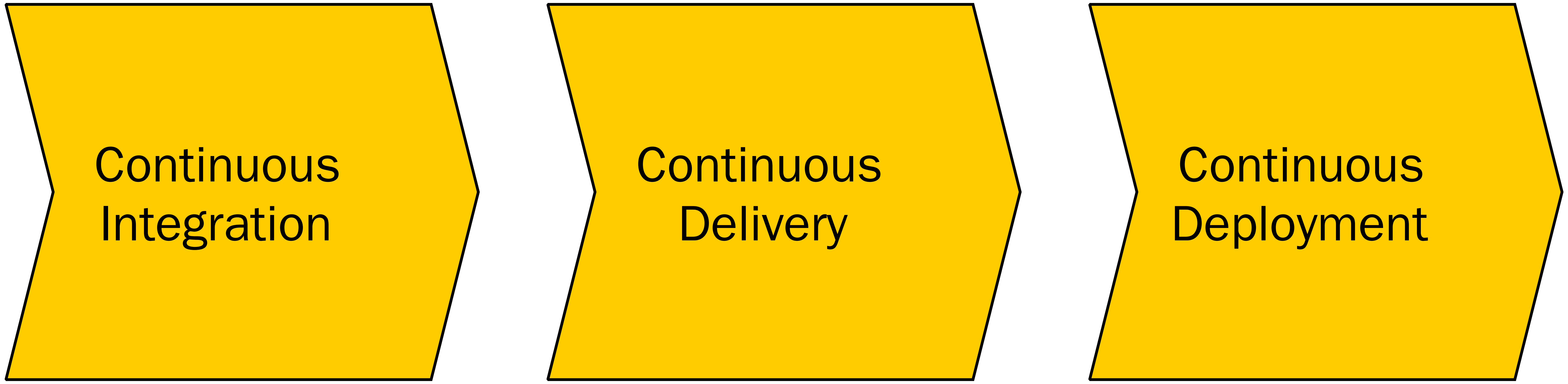
Why

- This is how we build software in the companies

Continuous

- Integration (1)
- Delivery (1)
- Deployment (2)

CONTINUOUS .*

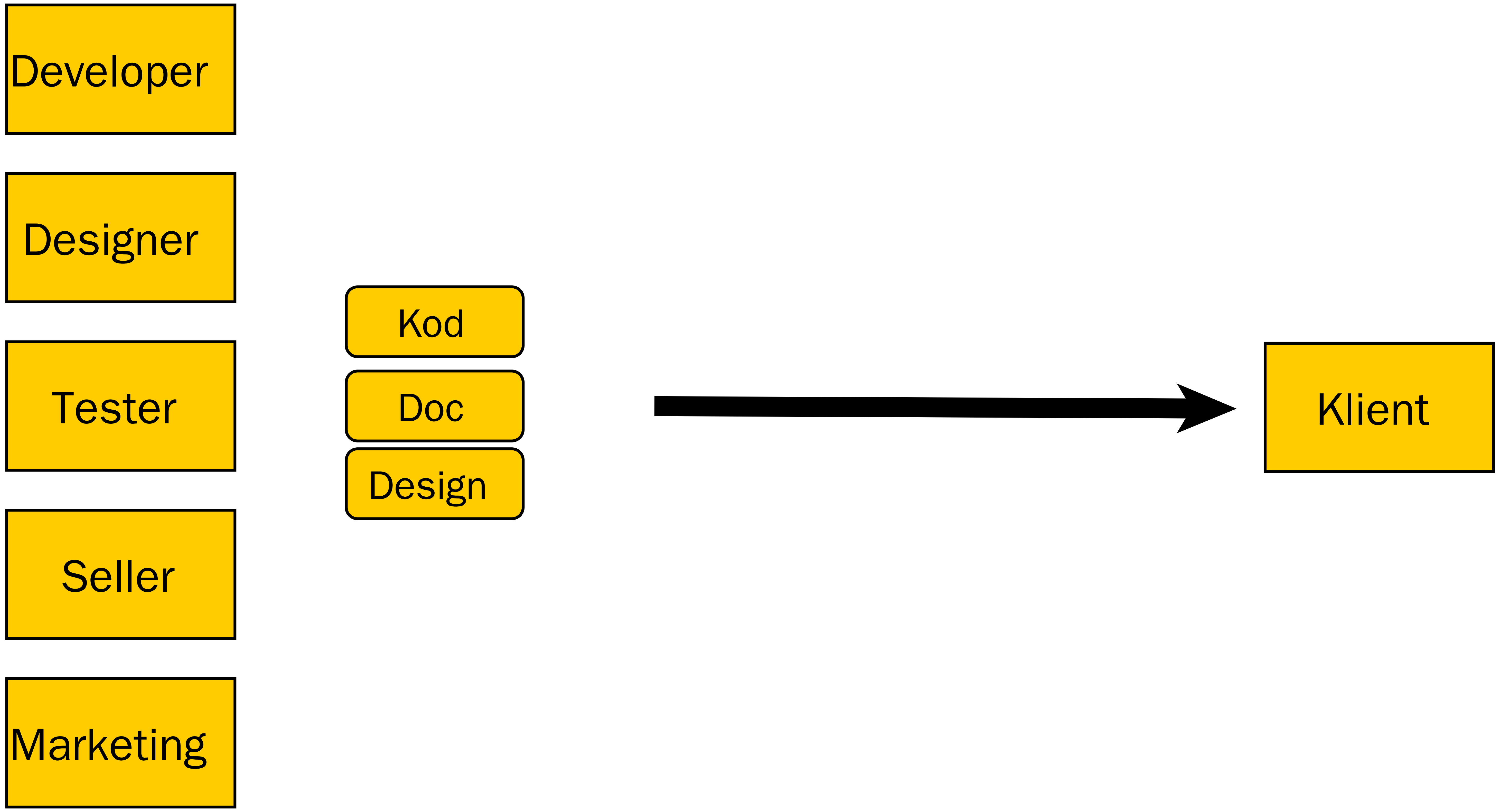


Continuous Integration

Continuous Delivery

Continuous Deployment

CONTINUOUS .*


Developer
Designer
Tester
Seller
Marketing
Kod
Doc
Design
Klient

GOAL

- We know where we are with our code

Practices

- Automatization
- Standarization
- Tooling
- Software design and architecture
- Cooperation between teams and people

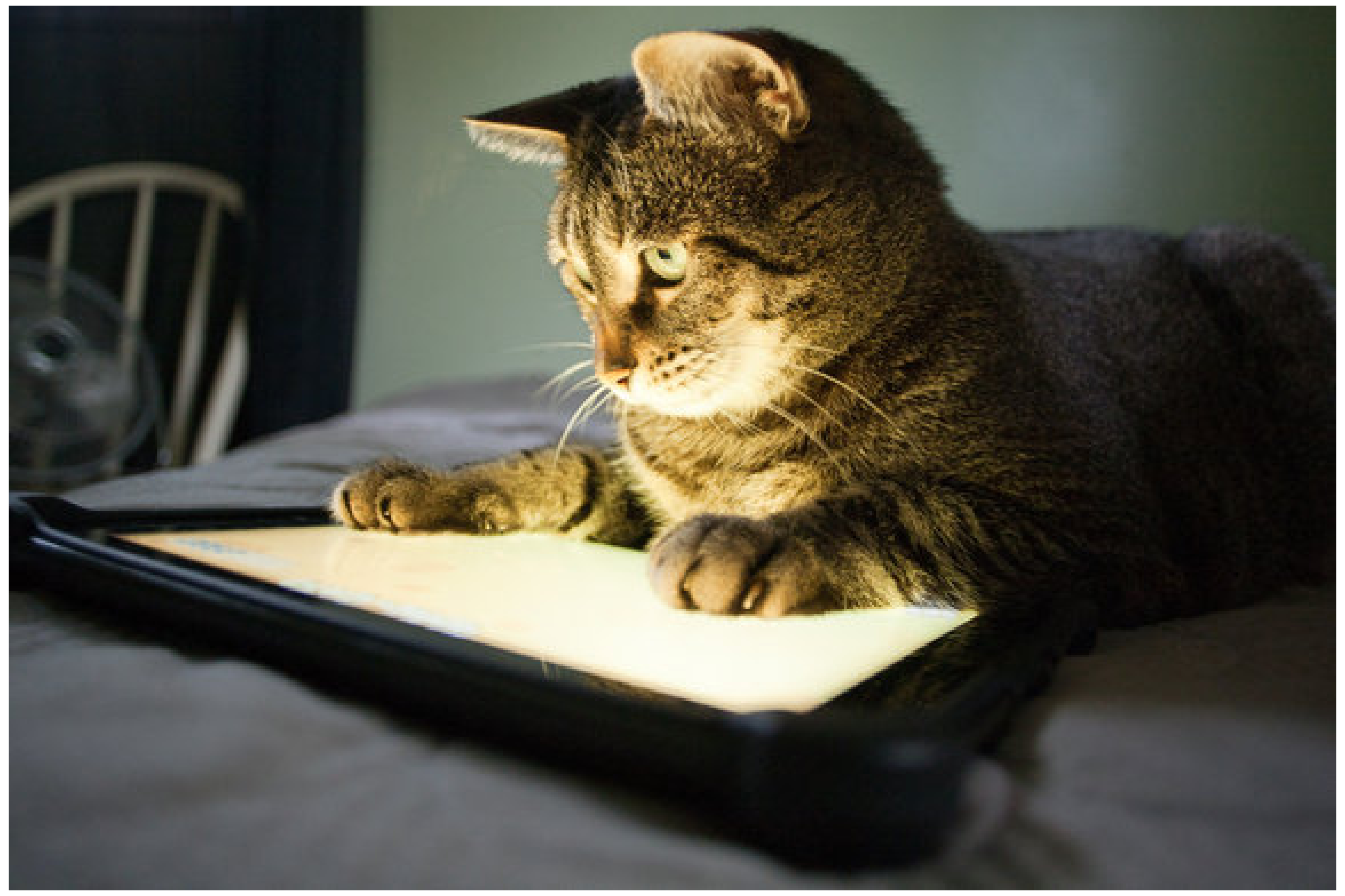
Continuous integration

- Every change validated
- We can package the software

Continuous delivery

- Our software ready to be installed

Continuous deployment



Our software is in the hands of our customers

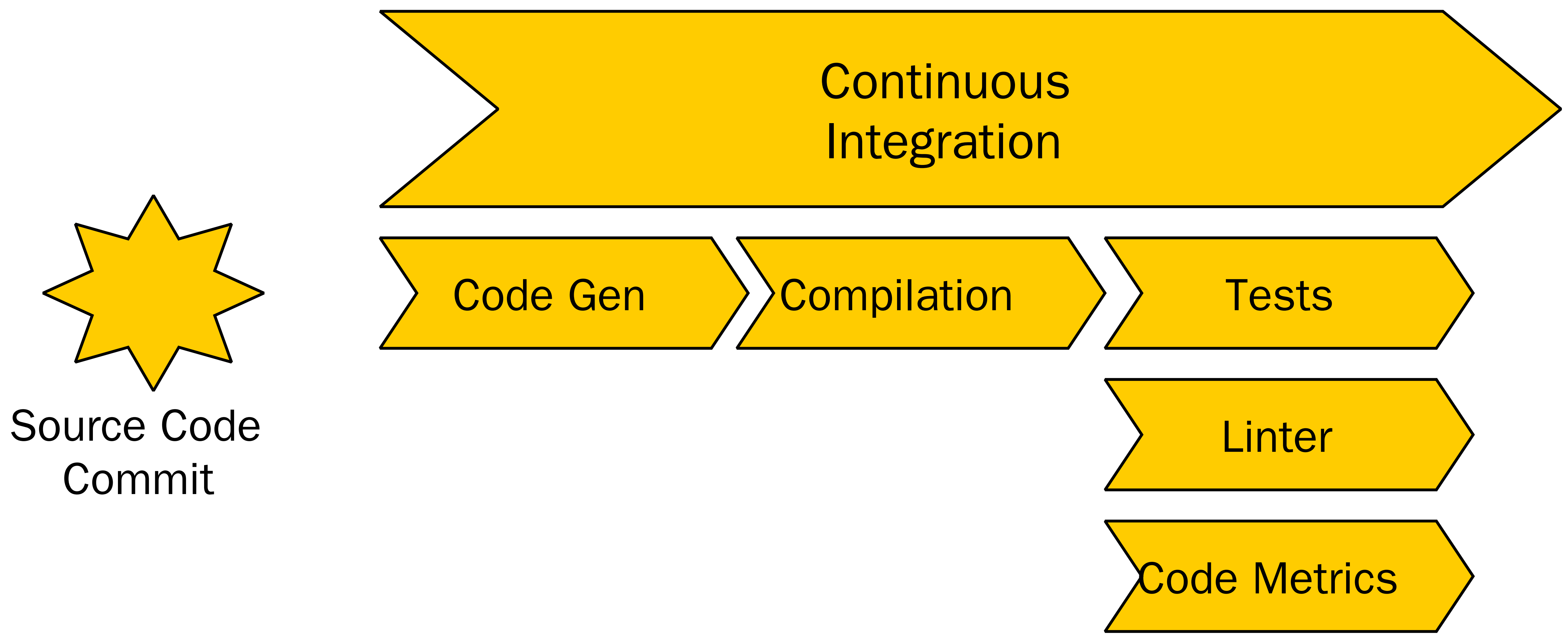
Tools

Automation tools:

- Jenkins / GitlabCI
- Github Actions
- TravisCI and many more

Continuous integration

Continuous integration



Continuous Integration

Source Code Commit

Code Gen

Compilation

Tests

Linter

Code Metrics

Tools

Automation tools:

- Jenkins / GitlabCI
- Github Actions
- TravisCI and many more

Working CI/CD has the highest priority

CI starts on the dev workstation

CI starts on the dev workstation

- tool common for the tools and people
- you can run the software locally
- you can run the test locally