

# Devops: CI/CD

Yoann GARCIA  
13/02/2022





# Summary

1. Definition
2. Illustration
3. Benefits



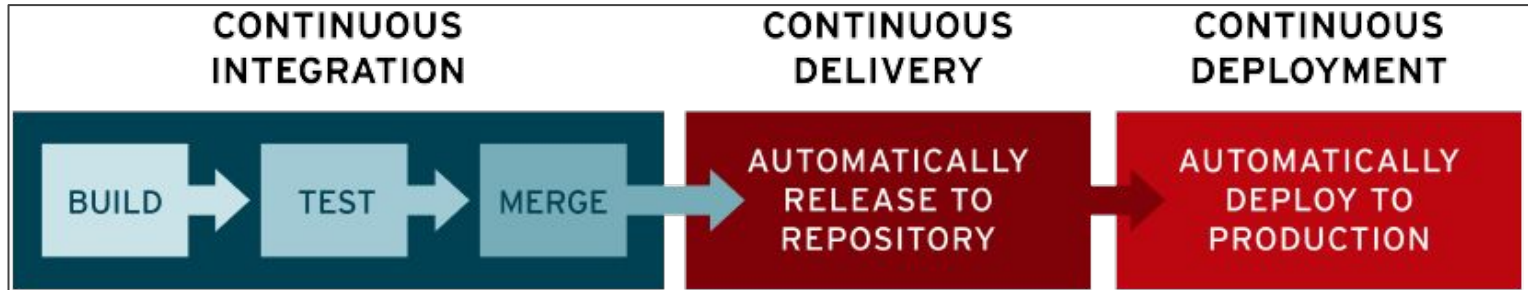
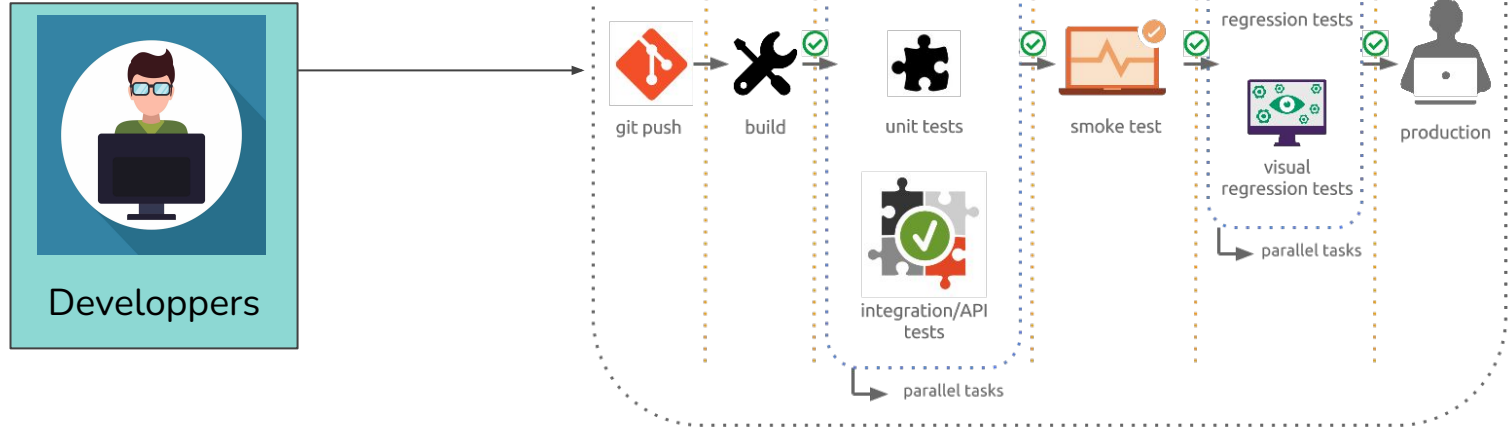
# Definition

CI: **C**ontinuous **I**ntegration, which is an automation process for developers. Successful CI means new code changes to an app are regularly built, tested, and merged to a shared repository.

→ It's a solution to the problem of having too many branches of an app in development at once that might conflict with each other.

CD: **C**ontinuous **D**elivery/**D**eployment, which are related concepts that sometimes get used interchangeably. Both are about automating further stages of the pipeline, but they're sometimes used separately to illustrate just how much automation is happening.

# Illustration





# Benefits of Integrating CI, CD

- Ensure that both the code and the deployment process work efficiently and correctly
  - early bug detection
  - production more reliable
- Fastest Release & Deployment
- Limit human factor error
  - automate as much as possible
- Prevent extra cost
  - Stable release
  - quick rollback
- Increase transparency, velocity and quality

# Questions



**Thank you for  
your attention**

