UDAPEOPLE CI/CD

CI/CD **allows organizations to ship software quickly and efficiently**

overview

- What are our current issues ?
- What does CI/CD mean ?
- How does CI/CD work ?
- What's the difference between CI and CD (and the other CD)?
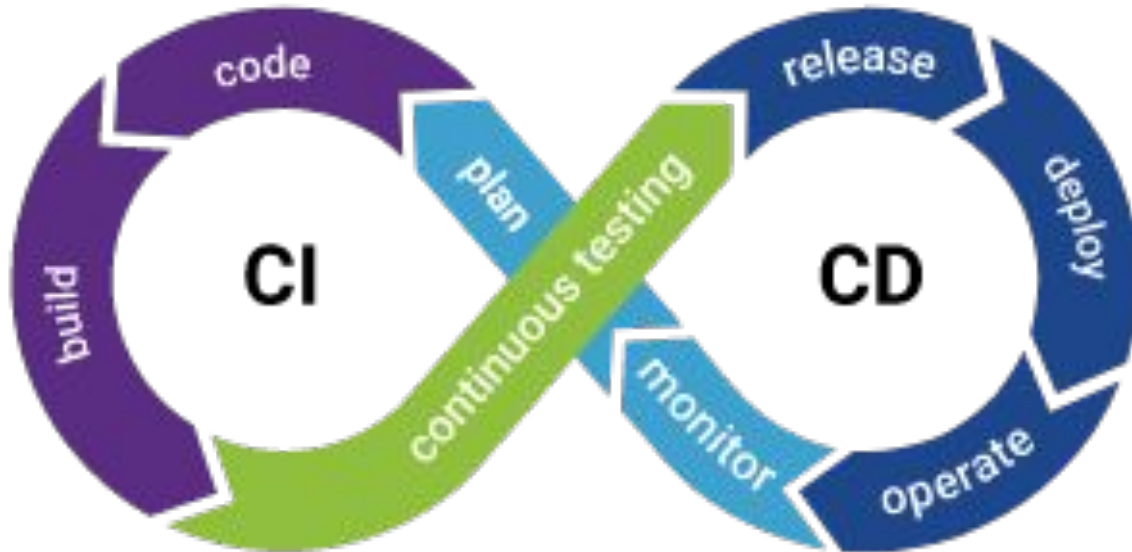
What are our current issues ?

- Delaying of releasing the new features.
- Setting up the infrastructure and monitoring it manually.
- A lot of manual test before each release.
- We are not safe against security vulnerabilities.
- A lot of human effort and wasting time.
- Errors could happen or some configurations could be missing.

What does CI/CD mean ?

- CI/CD is a method to frequently deliver apps to customers by introducing automation into the stages of app development. The main concepts attributed to CI/CD are continuous integration, continuous delivery, and continuous deployment. CI/CD is a solution to the problems integrating new code can cause for development and operations teams (AKA "integration hell").

- Specifically, CI/CD introduces ongoing automation and continuous monitoring throughout the lifecycle of apps, from integration and testing phases to delivery and deployment. Taken together, these connected practices are often referred to as a "CI/CD pipeline" and are supported by development and operations teams working together in an agile way with either a DevOps or site reliability engineering (SRE) approach.

How does CI/CD work ?

What's the difference between CI and CD (and the other CD)?