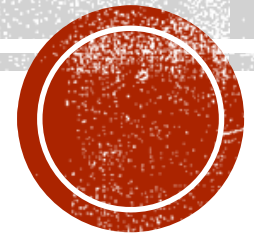


CI/CD, WHAT AND WHY



CONTINUOUS INTEGRATION

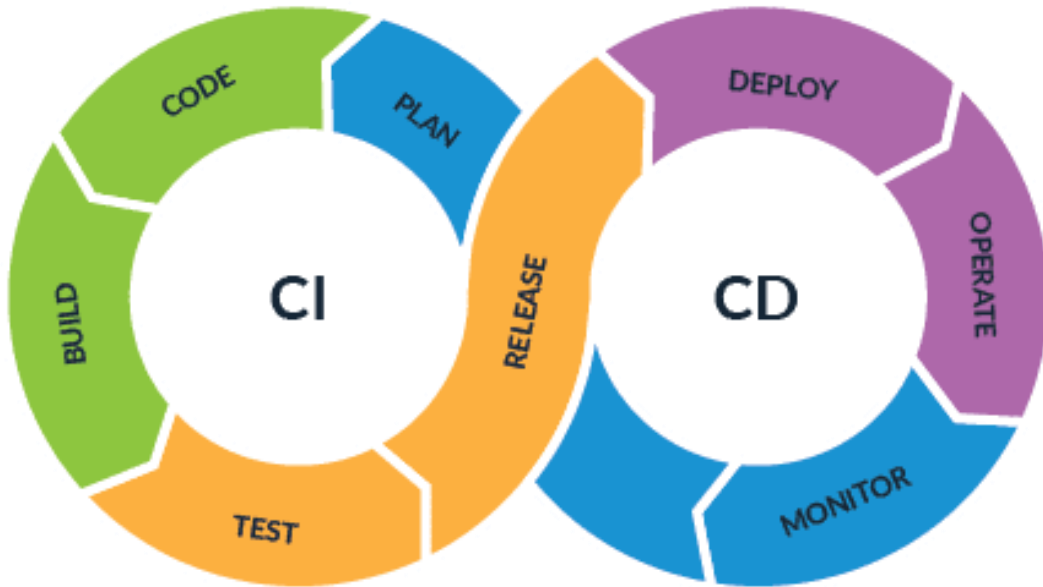
- Continuous Integration is automating the process of building and testing of code.
- CI allows developers to frequently merge code changes into a central repository where builds and tests are run.

CONTINUOUS DEPLOYMENT

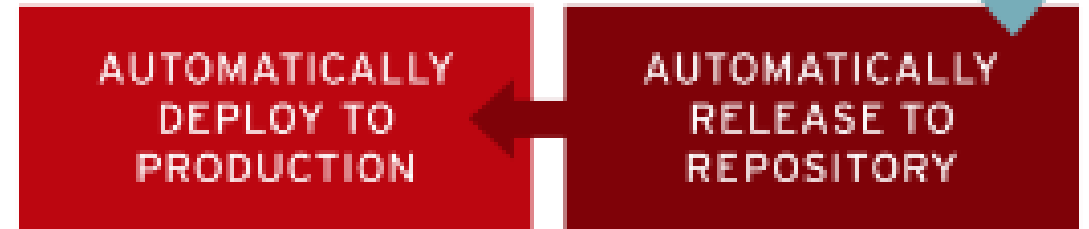
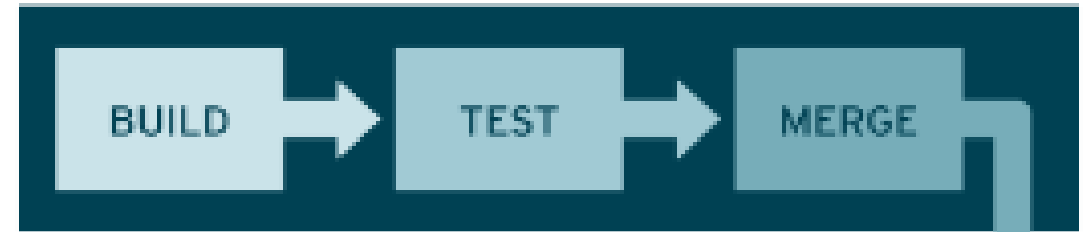
- After code has been built and tested, the next step is deployment.
- Continuous deployment is the process of automating the deployment of code into production.



CI/CD IMPLEMENTATION



CONTINUOUS INTEGRATION



CONTINUOUS
DEPLOYMENT

CONTINUOUS
DELIVERY



WHY CI/CD

- catch errors easily and spend less time on issues, saving costs because of reduced man-hours
- Automating Unit Tests in CI means developers can catch production-breaking bugs in development
- Automating infrastructure deployment in CD means there will be less human error and faster deployment
- Continuous monitoring allows for practice detection and ability to define incident response



MONITORING WITH PROMETHEUS

