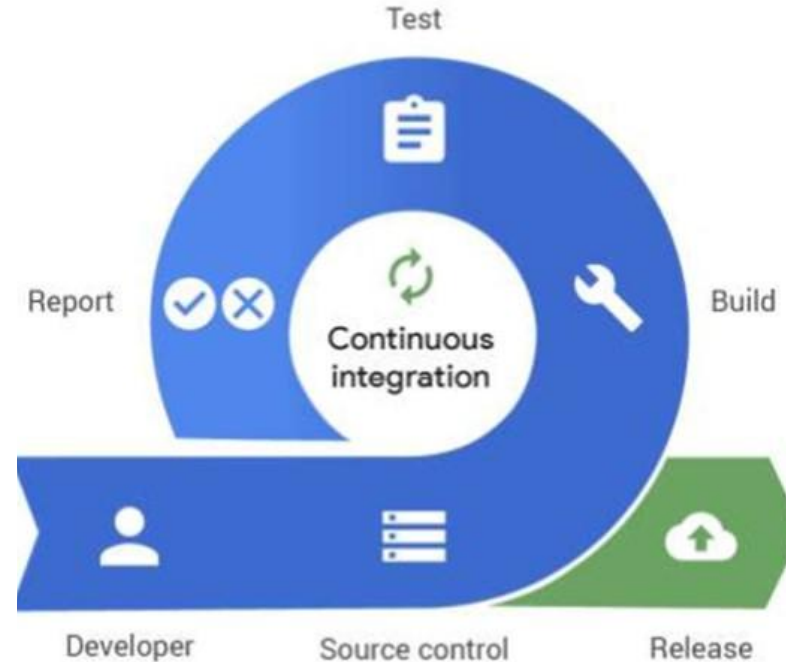

CI/CD Value to business

Presented by : Abdelrahman Amr

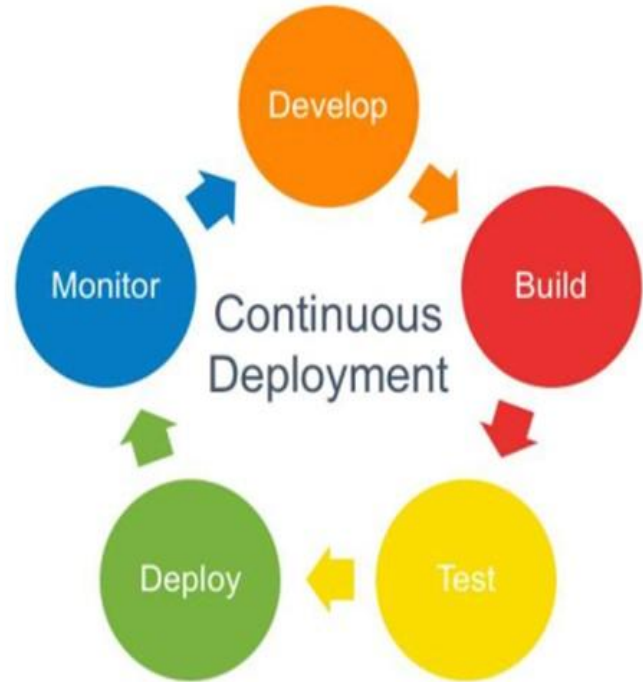
Continuous Integration (CI):

Is the process of using tools of automation on the code to be able to build, test and merge different code bases of multiple developers and components to be able to spot any errors and bugs at the early stages of software development and act on them immediately



Continuous Deployment(CD):

Is the deployments of production of every change happens in the code,automated, constant without the need of developers to intervene that gain build confidence in the





1. Benefits Of CI/CD

- Infrastructure Creation, modification and deletion will become an automated process without the need of any manual steps.
- Compile errors will be discovered faster: As soon as any developer commit a line of code, compilation errors will be discovered immediately
- Improved product quality : By having CI/CD pipelines unit tests results will appear way before production which will improve the overall code quality.



1. Benefits Of CI/CD

- **Customer Satisfaction increases:** The product is always in the delivery phase by faster deploying productions of new features.
- **Faster to Failure:** Every product will fail but if the rollback is automated then we will fail fast.
- **Downtime is reduced drastically:** By having automated smoke tests that will alert us and trigger the rollback if any failure happens.