



CI/CD Value To The Business

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Presentation Content

01

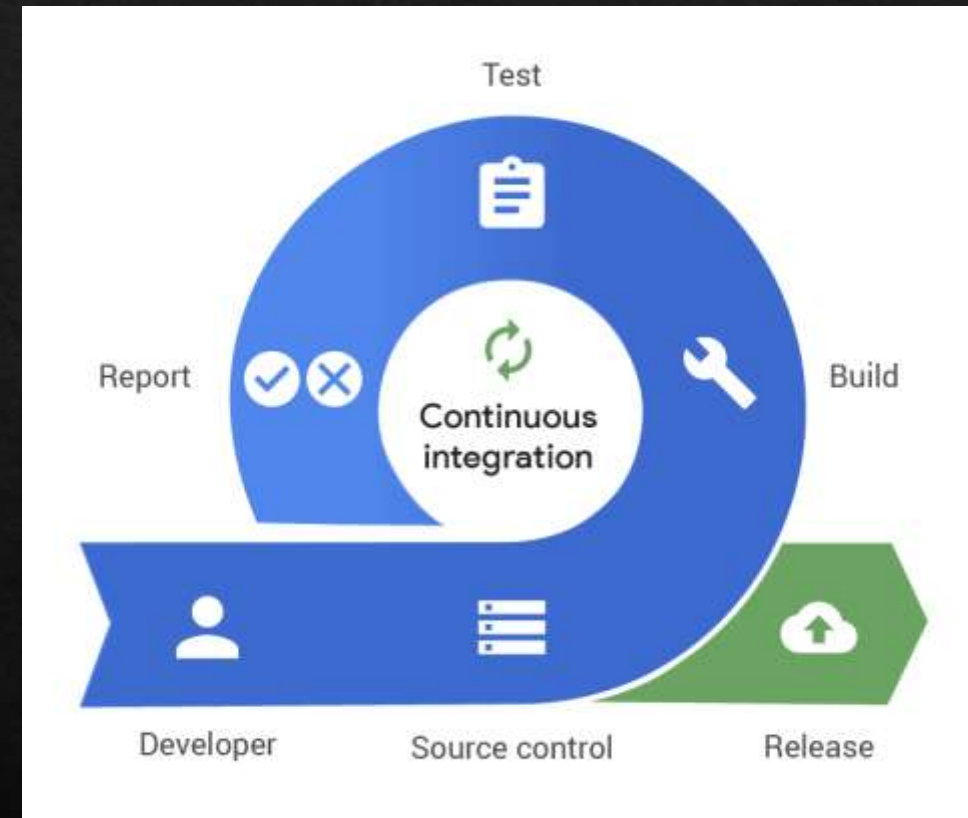
CI/CD OVERVIEW

02

BENEFITS OF CI/CD

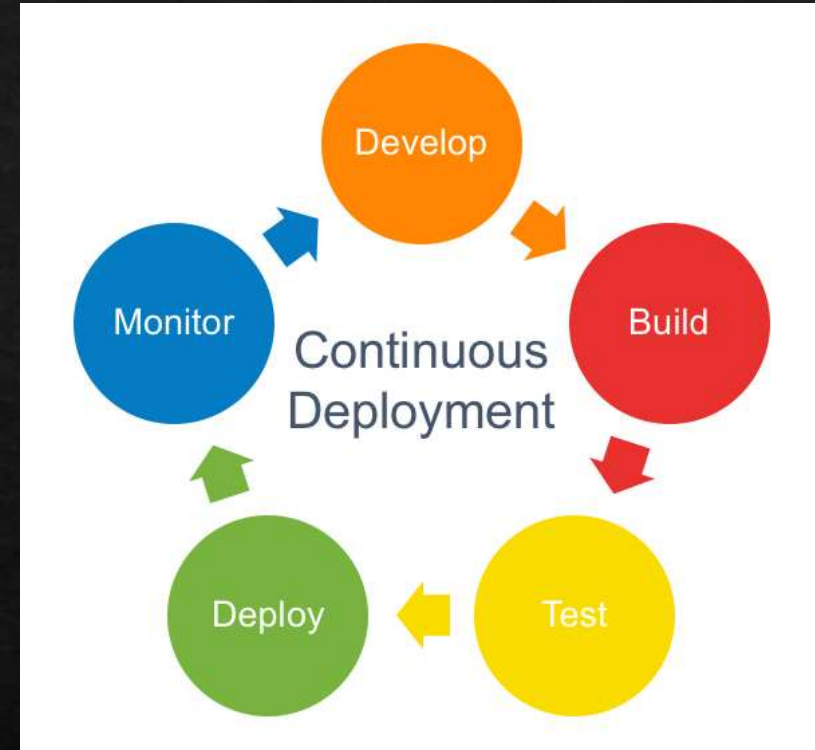
Continuous Integration (CI):

*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 team.*



Benefits Of CI/CD:-

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



Benefits Of CI/CD:-

4) Customer Satisfaction increases: The product is always in the delivery phase by faster deploying productions of new features.

5) Faster to Failure: Every product will fail but if the rollback is automated then we will fail fast.

6) Downtime is reduced drastically: By having automated smoke tests that will alert us and trigger the rollback if any failure happens.

