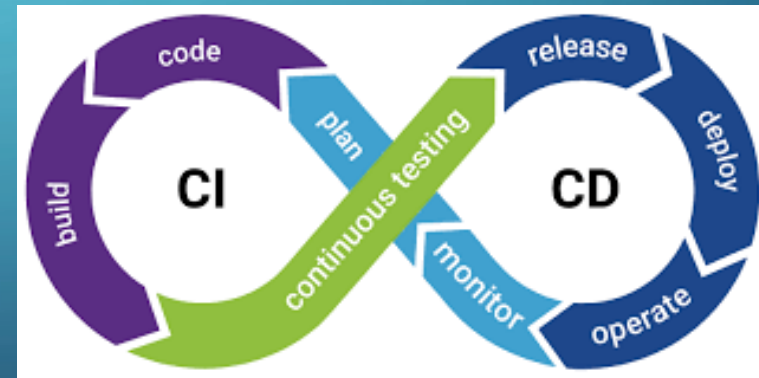


CONTINUOUS INTEGRATION/ CONTINUOUS DELIVERY (CI/CD)

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CONTINUOUS INTEGRATION

- The "CI" in CI/CD refers to continuous integration, 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.
- CI is a solution to the problem of having many developers who are working on an app in development at once that might conflict with each other.
- CI gets the application features go faster to clients which will increase the revenue of the company.

CONTINUOUS DELIVERY

- The "CD" in CI/CD refers to continuous delivery and/or continuous deployment, which are related concepts that sometimes get used interchangeably.
- CD are about automating further stages of the pipeline, which means less human resources in the process (less cost), less errors due to human (Faster Delivery).

WHY CI/CD

- CI/CD can improve the consistency and quality of code where there will be less errors in the Applications.
- CI/CD Improves flexibility and has the ability to ship new functionalities which will increase the revenue by selling more.
- CI/CD pipeline can streamline communication which will increase productivity of employees.
- CI/CD can automate the process of software delivery where the process will require less resources and reduce cost.
- CI/CD Helps you to achieve faster customer feedback where we will solve our problems faster.
- CI/CD pipeline helps you to increase your product visibility.
- CI/CD can make the software development lifecycle faster so satisfy the customer and increase selling.
- A CD pipeline gives a rapid feedback loop starting from developer to client.
- CI/CD Improves communications between organization employees which will increase productivity.