



Benefits of CI/CD

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“It’s one small step for man, one giant leap for mankind.”

- NEIL ARMSTRONG

- *CI = continuous Integration
bugs cost many – lets catch them
as early as we can.*

** CI is a system where once a developers code is ready, it will trigger a set of automated builds which ensures bugs are caught earlier.*

Main benefits of CI

1) Increased Transparency

By having a CI pipeline, your entire team have a common tool which they can monitor the builds. This way they can collaborate more efficiently to fix the most common breaking tests and raise issues earlier.

2) Improves code quality

It is important to deliver a high quality software code to our clients. Having a CI pipeline helps us achieve that by making builds break if a certain threshold coverage is not met for example. This way developers know they need to know write enough unit tests to satisfy the code quality standards.

Main benefits of CI

3) Improved Mean Time To Resolution (MTTR)

MTTR is the measure of reliability and maintainability of any or all the repairable features. Having an automated trigger-based build help you keep this number down.

* Frequent code check-in allows software developers to create modular, less complex code

- *CD = continuous Delivery*

** CD means delivering software through an automated fashion through short cycles.*

Main benefits of CD

1) Accelerated Time to Market

Having an automated software delivery means we can deliver software more frequently. Having a CD pipeline ensures software is delivered to clients in short cycles and with a higher frequency, while maintaining a high quality.

2) Building the accurate product

Having short software releases means developers can get instant feedback from their clients in order to deliver the software in the exact shape that was needed.

Main benefits of CD

3) Increasing product quality

Having a CD pipeline means after the code is completed by a developer, that functionality is deployed in an automated fashion after his/her commit (code check in). Before the deployment is done, a set of code quality checks takes place in the pipeline, which ensures bugs are caught as early as we can.

4) Improved customer satisfaction

Fast and frequent releases, new features shipped regularly, bugs fixed promptly and immediate reaction to feedback eventually makes our customers happy.