



CI/CD

Save money & time with
automation super powers!



What is CI/CD ?

CI/CD stand for continuous integration and continuous delivery. allows organizations to ship software quickly and efficiently. CI/CD facilitates an effective process for getting products to market faster than ever before, continuously delivering code into production, and ensuring an ongoing flow of new features and bug fixes via the most efficient delivery method.



Continuous Integration (CI)

Continuous integration means that developers frequently merge their code changes to a shared repository. It's an automated process that allows multiple developers to contribute software components to the same project without integration conflicts. CI involves automated testing whenever a software change is integrated into the repository.



What is CD?

CD can stand for either continuous delivery or continuous deployment. Both involve taking the code continuously integrated and getting it able to deploy to an environment either QA or production. Continuous deployment takes the process one step further and performs the actual deployment to an environment.



CI/CD Benefits

Make Revenue

Faster and More Frequent Production Deployments ensures more quicker releases. Removal of manual checks before deployment means less time to market

Protect Revenue

Automated smoke test reduces downtime due to deploy related crash or a major bug. Automated rollback due to a job failure means a fast undo from production to working state.

CI/CD Benefits (Cont.)

Avoid Cost

Automation of infrastructure creation hence faster deployment and less human error. Catch unit test failure ensures less bugs in production environment and less time testing. Detecting security vulnerabilities avoids future embarrassment from security attacks.

Reduce Cost

Automation of infrastructure cleanup prevents unwanted cost on unused resources. Catching compile errors after merging reduces time spent on issues from new developer code

Fail Fast

The faster we detect the errors, the faster we act and fix the issues even before it occurs on production, and that would save a lot of time debugging and testing also will save money.



CI/CD Benefits (Cont.)

Reduction of non-critical defects in backlog

By now it's clear CI/CD is a time and money saver, so much so that it gives developers time to work on things they wouldn't normally be able to, such as going back to fix older code and make it cleaner and more efficient. The idea that developers cannot only tackle the backlog (it's called a backlog for a reason after all – who has time for this?), but also work on non-critical defects, is a game-changer brought to teams by DevOps and CI/CD.

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Thank You