



CI/CD

Save money, time, and enhance
everything through true automation!

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What is CI/CD?

- **CI/CD** stands for continuous integration and continuous deployment/continuous delivery.
- It allows an automated process for delivering software and features to market rapidly and continuously.
- This way, companies release new products in a rapid and an efficient fashion to guarantee fast marketing and selling of products.



Continuous Integration (CI)

- **Continuous integration (CI)** involves developers regularly merging code changes to a shared repository.
- This is an automated process that enables multiple developers to contribute software components to a project without causing integrational conflicts during integration.
- Automated testing is performed every time a software change is integrated into the repository as part of the CI process.



Continuous Deployment/Continuous Delivery (CD)

- **CD** can mean continuous delivery or continuous deployment.
- Both involve regularly integrating code changes and preparing them for deployment to an environment, such as QA or production.
- Continuous deliver is the engineering practice in which teams produce and release value in short cycles.
- Continuous deployment goes further than continuous delivery by actually performing the automated deployment to the environment.

Why CI/CD?

- **Avoid Cost:**

- **Catch Unit Test Failures** resulting less bugs in production and faster testing
- **Detect Security Vulnerabilities** preventing embarrassing or expensive security holes

- **Increase Revenue:**

- **Faster and More Frequent Production Deployments** forcing new value-generating features to release sooner.
- **Deploy to Production Without Manual Checks** meaning it will take less time to market



Thank you!