
Benefits Of Continuous Integration & Continuous Deployment (CI/CD) On Business values.

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What is CI/CD

Continuous Integration (CI)

Continuous Integration, is a software development practice which involves automatic merging of codes from different developers into one repository. CI process usually includes compiling, testing, analyzing, check for security vulnerabilities and building of artifact.

Continuous Deployment

Continuous deployment, is the process of deploying the build artifacts from continuous integration into one or more configured servers in different environments.

Revenue Protection

Developers release code into a shared repository in small batches, which enables them to conduct parallel testing. Rather than working in isolation, they share their builds with the entire team frequently. Teams collaborate to identify critical bugs, which ensures that bad code does not make it to production. Thus CI/CD implementation protects business revenue by providing high-quality releases that have fewer errors and bugs. It also enables quick undo to return production environment to working state.

Reduce Cost

Developers will spend less time on fixing issues related to newly introduced codes since codes are released into the repository in small batches which enables for compile error to be detected before or after merge. With CI/CD developers are more productive.

CI/CD helps to detect security vulnerabilities before the codes are shipped into the production environment which in turn helps to prevent legal issues or embarrassment from users.

CI/CD introduces less human interaction with the process of software delivery, most of the tasks are automated which reduces the effect of human error in the process of delivering software. It also helps with faster delivery of software to users.

Increase Revenue

Less time to market: CI/CD enables shorter release cycles which in turn results to short term to release new features / products to the market.

New value generating features released more quickly:
With CI/CD new features are released, customers are happy about the quality of product even in the period of a minor or major upgrade, the more the income of the business.