
Fundamentals and Benefits of CI/CD

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Fundamentals of CI/CD

Continuous delivery is a term that encapsulates continuous integration (CI) and continuous deployment (CD). It entails a software development practice in which code modifications by as many contributors, are automatically prepared for deployment.

Continuous integration has to do with merging several changes done on the same piece of software by several developers , while continuous deployment is concerned with automated release to production.

Benefits of CI/CD

Revenue Increase and protection

CI/CD implementation promises to increase the company's revenue by facilitating quick release of value generating features.

It's scheme which supports quick undo of defective modifications to working production state will reduce downtime, hence protecting the company from revenue loss and disrepute.



Benefits of CI/CD

Cost reduction and prevention

Reduces human errors and bugs in production.

Reduces time resolving issues from new developers' code, facilitating faster deployments.

Reduces infrastructure cost from unused resources.

Prevents costly and embarrassing security loopholes.



Conclusion

Udagram has been delivering incredible customer care services to small businesses since inception, but like every process, there are always opportunities for improvement.

I am convinced that implementation of CI/CD in our software development lifecycle will get us to a good position to maximise profit and increase our clients' satisfaction.