



PROPOSAL FOR IMPLEMENTING CI/CD

Project: Give Your Application
Auto-Deploy Superpowers
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OUR CONCERNS

- Our developers are giving so much time on integrating their work with others workers rather than focusing on developing code and being creative
- Continues fiction between developers and operations teams due to late deployments
- Deployments are so hard that there are a very few seniors are capable of doing it
- Our software quality is going down that customers can feel which could lead up to loosing confidence from our customers

WHAT IS CI/CD (3 STAGES PROCESS)

Continuous integration (CI)

- It is all about source code
- It compile, lint, unit-test, code analysis and merge all developers work in one deployable environment
- It is used to validate and verify the developers work

Continuous delivery (CD)

- It is all about deployment
- It creates required infrastructure, provision, deploy, smoke tests, roll-backs and promotion to production

Continuous deployment

- It extends to continuous delivery where in this stage all work is automatically deployed and customers can use.

WHY CI/CD

Using CI/CD will take us in the front of the competition since it solves different problems we are facing in our daily work

- Using CI/CD we can achieve automating the software life cycle
- Using CI/CD will solve most of our concerns where the problems will not be their already
- Using CI/CD will guarantee better work delivered to customers and higher confidence for our company
- Using CI/CD will make us achieve higher revenues and protect them from additional costs

BENEFITS OF CI/CD

CI/CD will be a perfect solutions for our problems where:

- Costs will be reduced, thanks for continuous integration where developers will work less time on solving issues, faster deployments and less human errors
- Avoid extra costs that can rise, thanks for continuous delivery which make easier, less time in testing and less bugs in production
- Protect revenue, thanks for continuous deployment where downtime in deployments are lowered and quick undo to production work state in case of any error occurs
- Increase revenue, thanks for CI/CD where new features are going to market in less time and most important customers confidence in us