UDAPEOPLE PRODUCT

CICD BENEFIT PROPOSAL

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WHAT IS THE MEANING OF CI/CD ?

- CI/CD stands for Continuous integration / Continuous delievery

- Continuous integration : Is the process of merging developers work by merging developers branches to the master branch each time they do major change in order to keep project up to date without any failure

- Continuous delivery : Is the process that make sure that all changes have been submitted and the product is ready

- Continuous deployment : Is the complementary process to continuous delivery that allow frequent and automatic deployment

PROBLEMS THAT CI/CD SOLVE

- Manual integration is a great pain for any team , as it always lead to failure as a result of forgetting things by one of the team member

- Manual deployment mistakes lead to a lot of time consuming for debugging trying to figure out the problem

- It leads to weak software

- Deployment process is so hard to be done manually every time you want an update

- It will be very hard to deploy and rollback in case of failure

CI/CD COST AND SOLUTIONS

- To implement CI/CD flow we need some starting tools and instances to initiate the process

- First of all team should be able to learn more about CI/CD tools and configuration

- Such as : git , Circle CI , pramethous etc …

- Second , It will need a budget to initiate those apps and tools to be able to organize everything and solve our issues