



Continuous Integration /Continuous Deployment

BENEFITS?

Cost Reduction

- Usually, in tech projects, there are some silly errors that programmers might miss. Those are easy to solve but consequences could be really bad if we don't catch them quickly. CI/CD will allow us to prevent these nasty scenarios and as consequence reduce costs.
- When we deploy a new version of our app we usually end up with duplicated cloud resources until we make sure the new version works ok. This process is critical because for a time-frame we are increasing our costs. It is like you were paying rent in two houses but only can live in one of them. So We need to manually destroy old resources to prevent extra costs. However manual process outcome aren't always good because humans are not perfect and may commit errors like forget to remove some resources. CI/CD will allow us to automate this process by removing all resources we are not using and doing it at the right time.



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Cost Saving

- Bugs(Software issues) are an important part of all software development projects. The question is not whether we're going to find them, the question is **when** we're going to find them. Sooner is of course better and with CI/CD we'll be able to quickly find the most relevant issues.
- Reserving all cloud resources needed by our app could be time-consuming and a lot of errors can happen in the process. CI/CD will allow us to automate this task and avoid human errors.



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Revenue Increment

- CI/CD will allow constantly deliver value by putting the new app features available for our customers in a faster way. It's not useful when a baker put a good effort to prepare a cake but can't put it in the showcase.



Revenue Protection

- Errors can occur even while creating the new cloud resources for a deployment, CI/CD will allow us test and make sure all resources are working as expected before to put the cake on the showcase.
- In case something goes wrong while delivering a new feature CI/CD will allow us to quickly switch back to a stable version preventing downtime of the app and some user's frustration. If the car you're about to buy doesn't work as you expected you can always return to your old and trustable car.

