

Benefits of CICD

- Reduce cost
- Avoid cost
- Create revenue
- Protect revenue

Reduce Cost

- Catching compile error without CI/CD takes a lot of time to accomplish thereby increasing the cost, this is because it involved developers focusing on dealing with bugs in the code merged by other developers instead of working on new release but with the automated approach (CI/CD), developers are well engaged in other areas hereby reducing cost.
- CI/CD also helps in automating Infrastructure cleanup and this helps the business in reducing cost since there wont be extra/unused infrastructures in the cloud which might be increasing cost.

Avoid Cost

- In the traditional/manual way, there must be a stage of unit testing which requires test by the developers, but this in some scenarios are overlooked, CI/CD provides automatic unit test which catches Unit test failures, with this in place, extra cost on unwanted issues/less bugs in production is been avoided.
- It also detects security vulnerabilities, in this way, extra cost is been avoided on security and it saves embarrassment
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- It is also useful for automating infrastructure creation, this help the organization to avoid cost as well since there will be less human errors which leads to faster and more consistent deployment to production.

Create Revenue

- With CI/CD, we are equipped with a tool that helps with faster and more frequent deployment compared to the native/manual ways, with the manual ways, deployment may take time, the use of CI/CD increase deployments and this helps in increase in revenue because new values are been generated as soon as possible (quickly).
- Manual checks which may be time consuming before deployment will be catered for by CI/CD and this hereby increase revenue because there are great chances of new features getting to the market/client in less time.

Protect Revenue

- The tool (CI/CD) also helps in performing automated smoke test, with this, we are sure of reduce downtime on our server due to deployment related bugs or entire crash of the application which will be sending bad signals to our clients.
- It also handles automated rollback which is been triggered by job failures, this explain the fact that bugs are unavoidable in development, and this might cause issues if it get to production without adequate measure, with CI/CD, all process will be rolled back, with CI/CD working in this way, we have a device to protect our revenue at our disposal.