



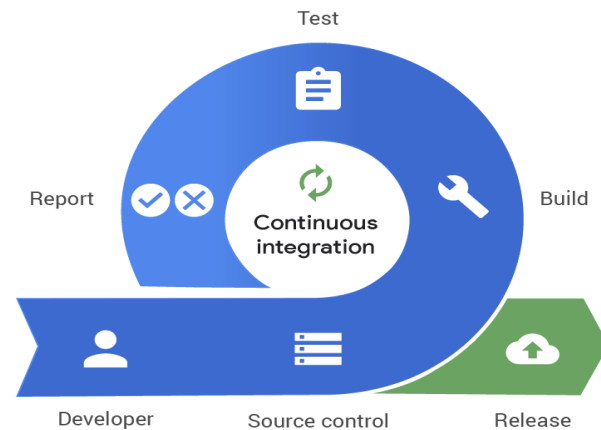
UDAPEOPLE APP

THE BENEFITS OF IMPLEMENTING CONTINUOUS INTEGRATION &
CONTINUOUS DEPLOYMENT (CI/CD) IN UDAPEOPLE

BY
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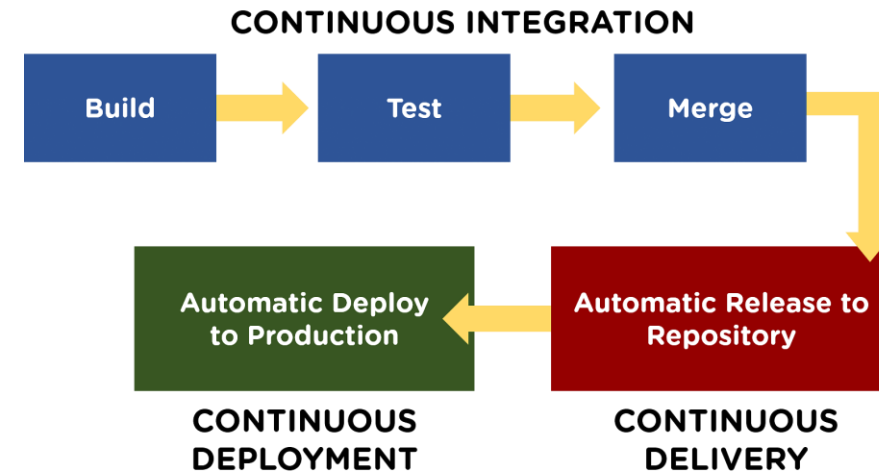
WHAT IS CONTINUOUS INTEGRATION (CI)?

- CI is an automated practice in DevOps where software developers merge/integrate their most recent codes to a shared source control multiple times a day. This can be done in seconds.



WHAT IS CONTINUOUS DEPLOYMENT (CD)?

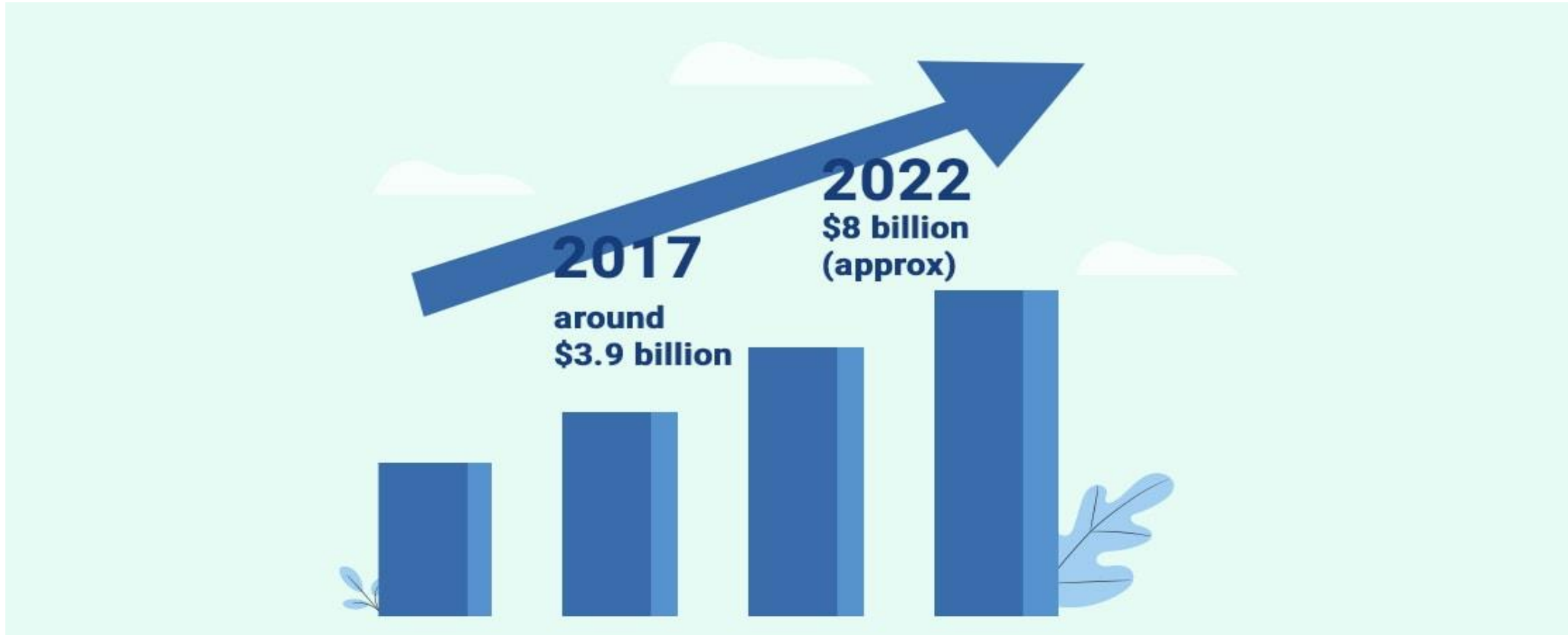
- CD is the automatic release/deployment of codes to production. This is what the end-users use. This takes a couple of minutes to deploy.



THE FOUR MAIN BENEFITS CI/CD WILL BRING TO UDAPEOPLE

S/N	Reduce Cost (How?)	Avoid Cost (How?)	Protect Revenue(How?)	Increase Revenue (How?)
1.	Less developer time from issues created by a new developer.	Less errors in production and less time spend on testing the codes.	Reduced downtime from deployment related errors or major bugs or crash.	New features that generate revenue can be released quickly.
2.	Avoids unnecessary infrastructure costs incurred from unused resources.	Detects security vulnerabilities thereby preventing costly security issues.	Quick fixes to return production back on live.	Automatic release equals less time to market.
3.		Less human errors equals faster deployments to production.		

STATISTICS TO PROVE THE BENEFITS OF USING CI/CD



The estimated revenue generated by our competitor between 2017 & 2022 since their implementation of CI/CD

CONCLUSIONS

- It is important to understand that migrating from manual to automatic way of doing things can help make a lot of difference. As such, I believe implementing CI/CD here in Udapeople will bring all the benefits presented and even more.