

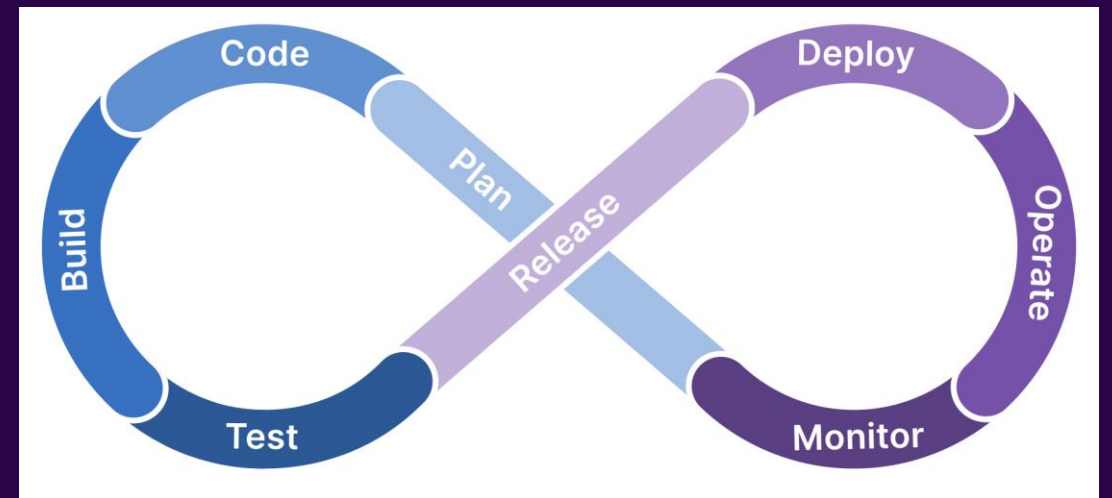
BENEFITS OF CI/CD

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WHAT IS CI/CD

CI/CD is a technique for regularly delivering apps to users by utilizing automation at various stages of app development. Continuous integration, continuous delivery, and continuous deployment are the three core CI/CD concepts. The challenges faced by the development and operations teams due to integrating new code can be solved by CI/CD.



BUSINESS IMPACTS WITHOUT CI/CD

Lower developer productivity

Developers are devoting more time to infrastructure and configuration in order to prevent downtime and less time to producing business logic. Hence, working outside of their areas of expertise and producing less than they could.

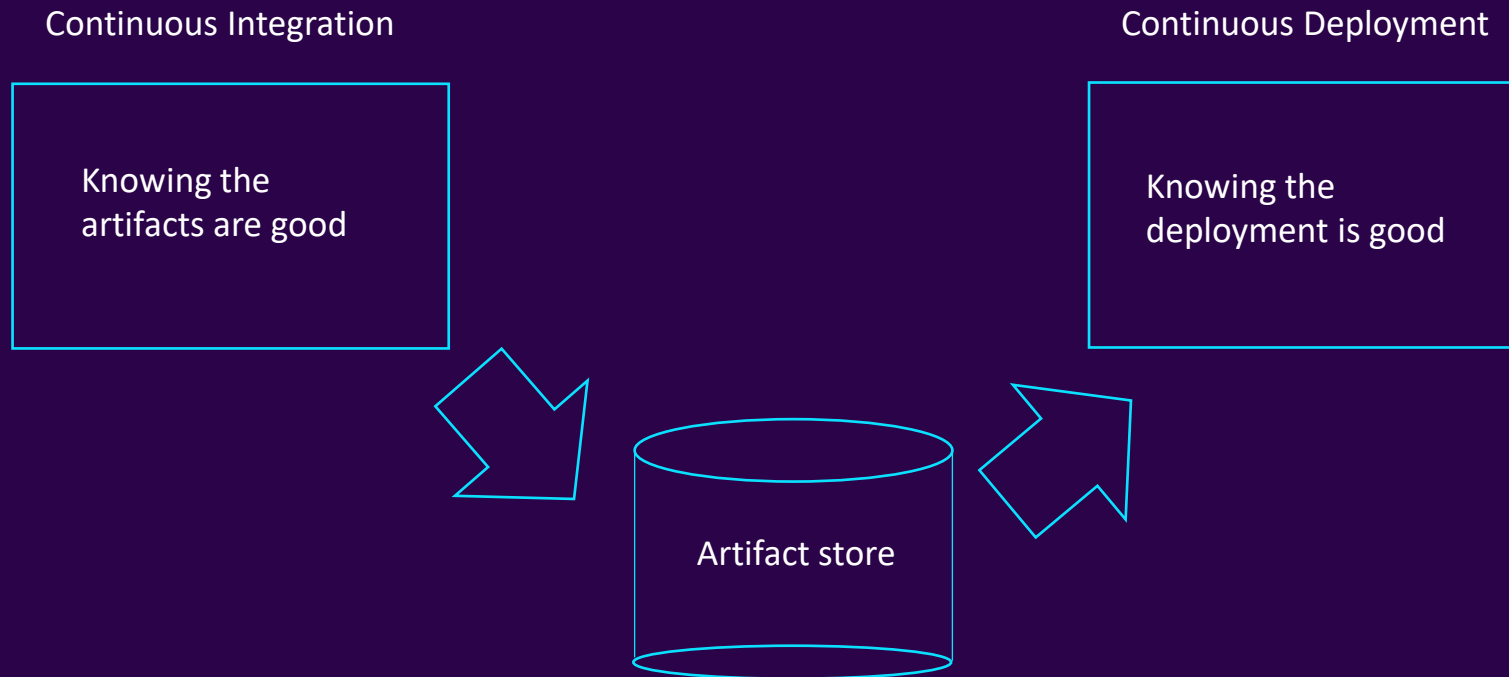
Slow growth

Opportunity costs are far more important than we think in the development process. Too many developers focus on maintenance rather than innovation . This will lead to slow growth in the long term

Delayed or no revenue

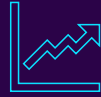
The time between when code is developed and when the business benefits from that code is delayed when there are too many dependencies, handoffs, and manual activities. In the worst scenarios, code is produced with no value at all for the business.

CI/CD IS THE SOLUTION



This whole process is automated, thus, less human error which leads to faster deployments

BENEFITS OF CI/CD



Increased revenue

Quicker introduction of value-generating features and shorter time to market



Quick releases

Quality products are released frequently



Reduced costs

Errors are caught faster which eliminates the time spent on issues from new code.



Customer Satisfaction

Production requirements are responded to more quickly

BENEFITS OF CI/CD



Quick rollback

Production can be returned quickly to a working state if things go wrong



Protect revenue

Reduced downtime from a deploy-related bug



Superior code quality

Developer's code are tested in parallel which enables high quality release with fewer bugs



Avoid Cost

Less bugs in production and less time testing.

SUMMARY

The advantages of CI/CD are too numerous for Udapeople to ignore. It is essential to the development and delivery of product because it enables teams to work more efficiently, adapt to changes more quickly, and include real-time feedback, all of which result in lower costs, more profitability, and higher-quality final products.

THANK YOU