

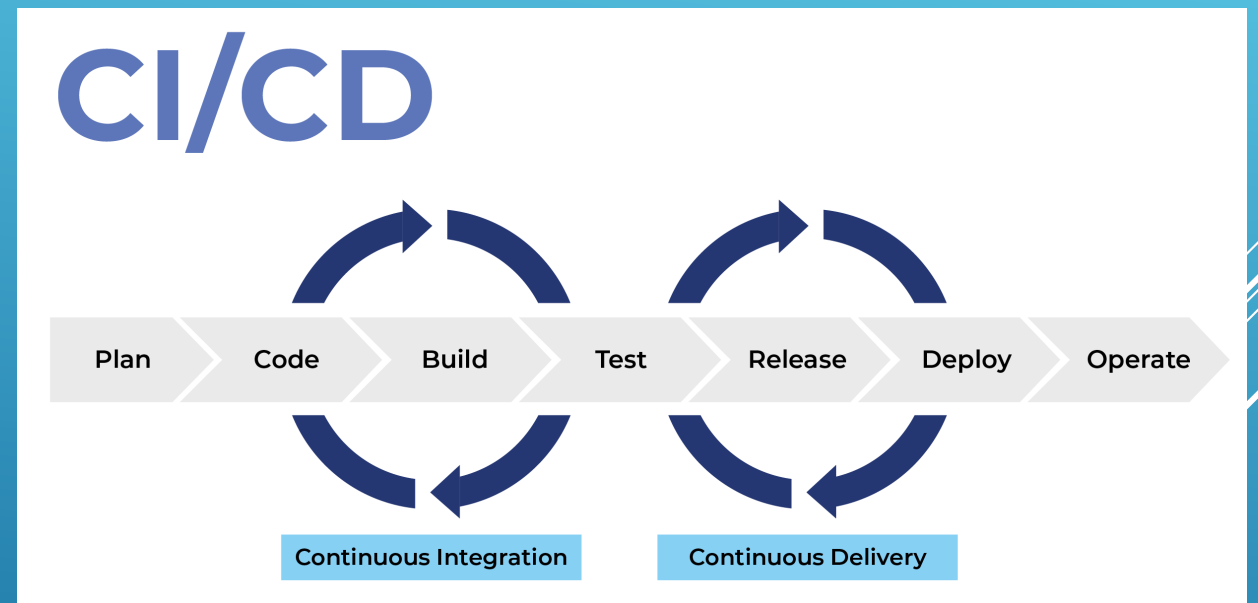
INCORPORATING CI/CD

Continuous Integration & Continuous Deployment

A Value Proposition

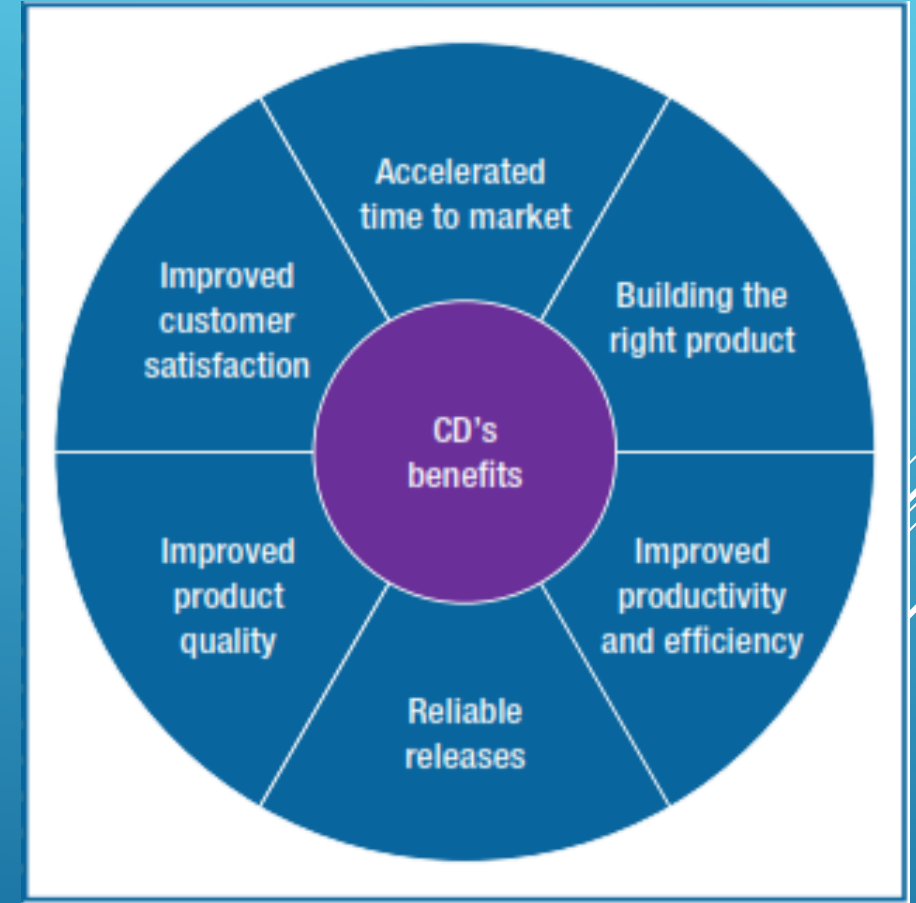
WHAT IS CI/CD?

- A set of automated practices to release our code in small increments
- Building/Testing/Analyzing code is performed on every commit.
- Verified code is deployed to a Blue server for additional verification before switching to Green
- All processes are fully automated and monitored. Warnings are raised at every stage of the process



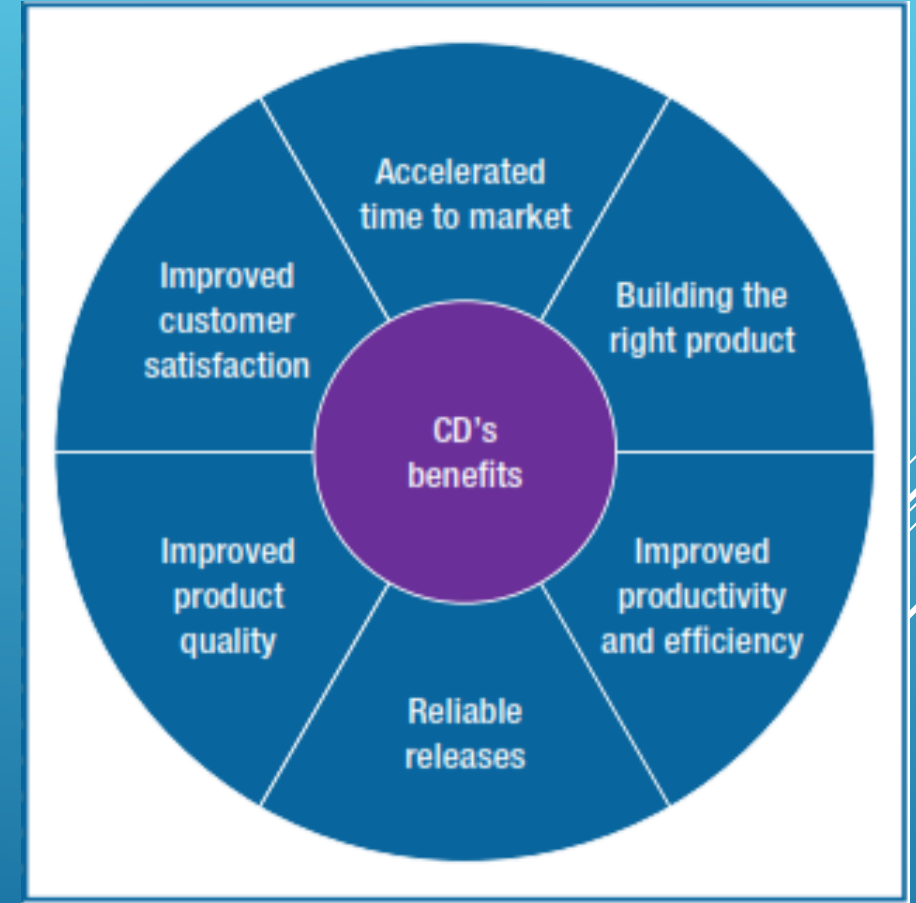
WHY SHOULD WE USE CI/CD?

- By automating the build/deploy pipeline we free our developers time to actually develop our app.
- Automating our build/deploy pipeline encourages a standardized process, which will reduce errors
- By building and testing on each commit, we can catch issues early, reducing 'merge hell'.
- Analyzing merge conflicts is very expensive and time consuming, decrease them is good for our bottom line.



WHERE IS THE VALUE?

- Scaling our App is very difficult. Without clear and automated development operations, chances of downtime increase as we scale.
- The CI/CD system is integrated into our app repo. This means all developers are included in the pipeline by default. This simplifies management.
- Increase uptime and fewer bugs == better user experience == more revenue!



CONCLUSION

- CI/CD is an established industry practice.
- There are many open-source low-cost and mature tools we can use to build our pipeline.
- Our engineering team is fully on board.
- We will improve our app reliability and increase revenues while saving on costs

Continuous Integration & Delivery

