



# BENEFIT OF IMPLEMENTING CI/CD

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# THE CURRENT CHALLENGES

1. Team takes a long time to complete projects.
2. Error prompts due to lack of communication and testing.
3. Merged code can have many bugs due to build up of bugs.
4. We are spending tremendous amount of time solving bugs introduced by each merged rather working on new features.
5. The risks of delay are high.
6. It's difficult for our team to response to customer requests in a timely manner.

# NEW APPROACH: CONTINUOUS INTEGRATION

What is Continuous Integration?

Continuous Integration is the process where our development team would be merging our code changes into a shared directory.

Why is matter?

- CI allows our team to have better control of the projects. We can discover bugs and issues sooner. No more cramming before the deadline! This would improve the quality of the products for our customers and increasing our revenue.
- Our team will communicate better because we are able to see what others are working on. We can get feedback on the code submitted a lot sooner. This would increase efficiency and keep the cost of production low.
- Automating the build, test, and deployment processes will dramatically speed up our pipeline enabling us to release our products to the market much faster. This will give us an edge in the markets and increase our revenue.
- Automating errors checking and repetitive tasks will free up our times for more features. This will help avoid unnecessary production cost and increase productivity.

# COMPLETING OURS PIPELINE WITH CONTINUOUS DEPLOYMENT

This come after CI. In this phase we will deploy the working code using automation.

Why is matter?

- Automating infrastructure creation sped up our deployment and reduces human errors. We would know what to expect. This will reduce unnecessary infrastructure cost.
- We can also clean up our previous infrastructure automatically when the latest code goes live. This would reduce our infrastructure cost.
- When something goes wrong, we can rollback to the previous working code. This would give our customers a peace of mind and protecting our revenue.

# CONCLUSION



CI/CD WOULD REDUCE ERRORS IN THE PRODUCT. IT WOULD REDUCE UNNECESSARY STRESS.



IT WILL INCREASE PRODUCTIVITIES, COMMUNICATION, AND DELIVERY TIME.



AS A RESULT, THIS WOULD REDUCE EMPLOYEES TURNOVER RATE DUE TO FATIGUE, AND INCREASE PROFITABILITY FOR THE COMPANY.

# THANK YOU

This CI/CD approach can have profound impact on our works because it enable Continuous Delivery of our products to our customers. This would give us an edge in this competitive markets.