

# CI/CD

CONTINUOUS INTEGRATION/CONTINUOUS DEPLOYMENT AND  
ITS GAME CHANGING IMPACT

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# CONTINUOUS INTEGRATION

## WHAT IS COTINUOUS INTEGRATION?

Simply put, Continuous Integration is the process of automating the building, testing, and overall management of code.

Continuous integration allows developers to continuously and intermittently merge code changes thereby reducing error fix times.



# CONTINUOUS DEPLOYMENT

## WHAT IS CONTINUOUS DEPLOYMENT?

Continuous deployment is a software engineering approach in which value is delivered frequently through automated deployments.

Delivering value in this fashion make our customers experience timely updates and upgrades thereby building much needed customer trust.



A black and white photograph of a modern workspace. In the foreground, there is a dark metal desk with a light-colored top. On the desk, there is a computer monitor, a keyboard, and a small potted plant. A black metal chair is positioned in front of the desk. The background is a rustic brick wall. A bicycle wheel is visible on the right side of the desk. The floor is made of light-colored tiles.

# WHY?

- Through reduced merge, compile and test error, there would be less bugs in production and less time fixing it ultimately reducing build and management cost.
- The automated fashion of this process helps to reduce the cost incurred from infrastructure and unused resources.
- With continuous deployment, our products will have less time to market and additional features can easily be deployed without worry, thereby increasing the amount of revenue we can generate on the products.
- And lastly, with automated smoke tests and rollbacks in place, we can protect company revenue by drastically reducing downtimes from crashes and other setbacks.



With CI/CD integrated into our build process;

- The development team will be less frustrated and become way more efficient.
- The profit generated on our products will increase noticeably through increased revenue and reduced cost.
- Our customers will be happier and have more trust in our brand.

# THANK YOU

