

Why we should use CI/CD?

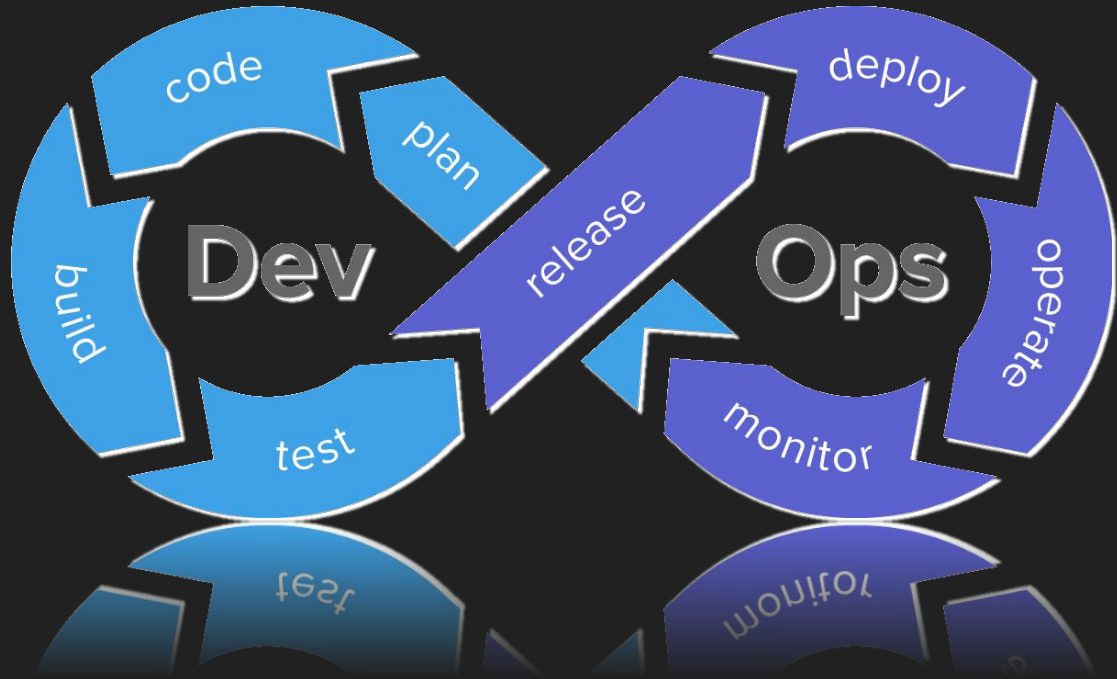
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What is CI/CD?

Continuous Integration/Continuous Delivery|Deployment

The CI/CD pipeline is the automation that allows developers to do incremental changes to be integrated and-released seamlessly.



REDUCE Costs 

INCREASE Productivity 

Using
CI/CD!

Quicker Release ⚡ (Increase Revenue \$\$\$)

- Automated testing enables continuous delivery, which ensures software quality and security and increases the profitability of code in production.
- CI/CD pipelines enable a much shorter time to market for new product features, creating happier customers and lowering strain on development.
- The great increase in overall speed of delivery enabled by CI/CD pipelines improves an organization's competitive edge.



COST OF A SOFTWARE BUG

\$100

If found in the **Gathering Requirements** stage

\$1,500

If found in **QA Testing** stage

\$10,000

If found in **Production**

To illustrate: if a bug is found in the requirements-gathering phase, the cost could be \$100. If the product owner doesn't find that bug until the QA testing phase, then the cost could be \$1,500. If it's not found until production, the cost could be \$10,000.

CI/CD provides a solution to this problem...

Real-Time Feedback (Reduce Costs ↓)

With continuous integration during the development process, developers can find and fix bugs quickly.

While in continuous delivery, the system updates are delivered to the users. The users can then test and review the end product instantly.

This also leads to a better customer satisfaction!

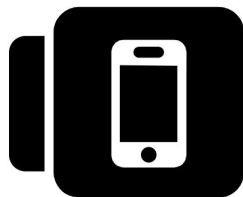


Better team productivity

- Automation frees team members to focus on what they do best, yielding the best end products.
- Organizations with a successful CI/CD pipeline can attract great talent. By moving away from traditional waterfall methods, engineers and developers are no longer bogged down with repetitive activities that are often highly dependent on the completion of other tasks.



Thank YOU!



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