CICD Importance
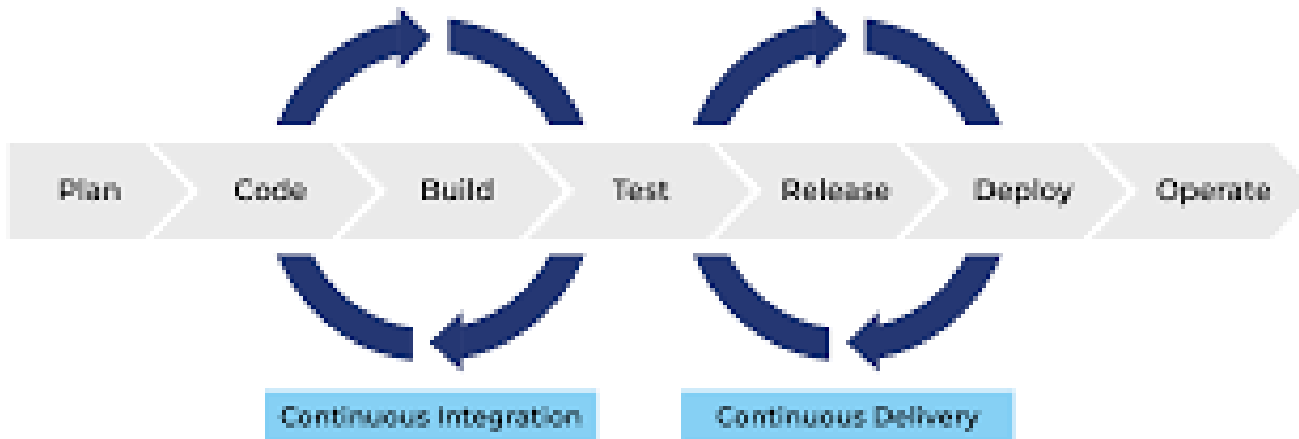
Work Smarter with CICD integrated in your project
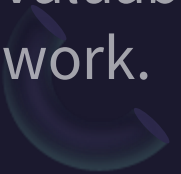
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What is CICD?

- Implementing CI/CD in your project = A faster software development life cycle, continuous deployment, more frequent releases, and greater security. With minimal sign-offs, no manual authentications, greater iteration, and hence more innovation, the CI/CD loop increases feedback and communication.

Continuous Integration Details

- It's a crucial DevOps best practice that enables developers to merge code changes into a single repository from which builds and tests can be run. Automated tools are used to ensure that the new code is valid before it is integrated.

Benefits:

Superior Quality Code: Since everything is automated from building the application to testing it, developers will have less time to discover and fix bugs after adopting a continuous integration pipeline, giving them more time to work on new features that add value to the end customer while also lowering costs by not wasting developers' valuable time doing some manually cumbersome tasks after they finish their actual work.

Continuous Delivery Details

- It's a software development method in which code updates are automatically readied for production deployment. Continuous delivery, a modern application development pillar, expands on continuous integration by deploying all code changes to a testing and/or production environment after the build process. If the system is effectively developed, developers will always have a deployment-ready build artefact that has passed through a standardized test process.

<u>Benefits:</u>

- **Accelerated Release Cycles:**

- **Easy Maintenance & Updates**

- **Cost Deduction**

Conclusion

- CI/CD will eventually become a must-have for ourcompany — the advantages are simply too numerous. Migrating from legacy software release cycles to CI/CD will not only reduce time-to-market, but will also result in a more productive and happy development team.

- You're bound to face some difficulties as you progress through CI/CD. We have a piece for that, thankfully!