Fundamentals and Benefits of CI/CD

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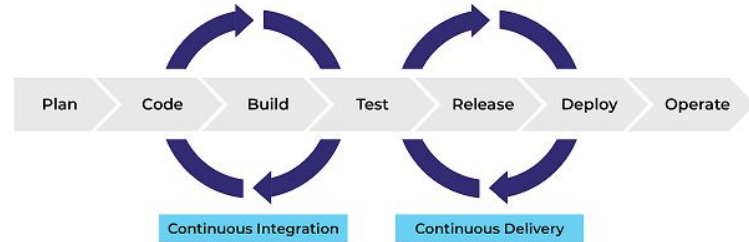
What is CI/CD ?

CI/CD stands for Continuous Integration and Continuous Deployment.

CI helps developers to work together and merge differents sources code in one code.

CD helps developers to release their applications automatically and quickly.

Benefits of CI/CD

- CI/CD makes developers less worried about breaking their builds
- It helps to catch bugs earlier
- It helps to deploy more often
- It helps to run tests in a real-world staging environment
- It helps to spend less time in debugging
- Shorter review time

- Maximized creativity

CI/CD benefits for business

- CICI minimized downtime

It can be a long-term negative effect on revenue as a result of being perceived as unreliable by customers and business partners. CI/CD will help in diagnosing issues and outages.

- Reduces the Cost of Promotion and Release

It reduces promotion and release costs by eliminating time wasted reconfiguring for different environments. By writing scripts to run for every environment, it runs the same in development, testing, and production.

- Reduced Compute Costs

CI/CD can help to reduce the cost of computation by implementing policies such as spin down/spin up scripts that ensure you're only paying for resources during known times of use.

Sources

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