

CI/CD CONTINUOUS INTEGRATION / CONTINUOUS DEPLOYMENT

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WHAT IS CI/CD ?

- ***CONTINUOUS INTEGRATION:***

- Is a development practice where developers integrate code into a shared repository frequently, preferably several times a day.
- Each integration can then be verified by an automated build and automated tests.

- ***CONTINUOUS DEPLOYMENT:***

- Is a method of software release that uses automated testing to validate if changes to a codebase are correct and stable for immediate autonomous deployment to a production environment.

BENEFITS OF CI/CD

- Smaller Code changes
- Fault isolation to specific release
- Faster time to release
- Smaller backlog
- Easier to maintain and update
- Reduce costs through less failed deployments.

CI/CD WORK CYCLE

