Why use CI/CD

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What is CI/CD

CI/CD is a technique for regularly delivering apps to clients. Continuous integration, continuous delivery, and continuous deployment are the three core CI/CD concepts. In the best way possible, it solves the problem that development and operations team is bound to face which is the problem of integrating new code.

In particular, CI/CD brings continuous monitoring and continual automation throughout the whole lifespan of an app, from the integration and testing stages to the delivery and deployment stages. Development and operations teams collaborate in an agile manner using either a DevOps or site reliability engineering (SRE) methodology, and these interconnected processes are collectively referred to as a "CI/CD pipeline."

Benefits of CI/CD

1. Iterate more quickly: Teams can iterate more quickly and manage smaller code changes more easily.

2. Find issues quickly: Because all code is handled and tested in smaller batches, teams may easily identify issues in the code.

3. Improved transparency: Frequent testing and ongoing input allow developers to locate flaws.

4. Reduce costs: By eliminating manual testing duties, automated testing frees up developers' time, and higher code quality results in fewer errors and downtime.

5. Users will be happier if fewer defects and problems are introduced into the production environment.

Other Benefits

1. Reduced time to market

2. Effective automation testing

3. Accurate progress monitoring

4. Effective Infrastructure

5. Consumer demand satisfaction

CICD

In our work will profit us in numerous good ways

Thank You