

Benefits of CI/CD

Continuous Integration

It is a development practice that requires developers to integrate code into a shared repository several times a day. Each check-in is then verified by an automated build, allowing teams to detect problems early. By integrating regularly, you can detect errors quickly, and locate them more easily.

Continuous Deployment

It is an extension of continuous delivery, which automates the release of a production-ready build to a code repository, continuous deployment automates releasing an app to production. Because there is no manual gate at the stage of the pipeline before production, continuous deployment relies heavily on well-designed test automation.

Benefits of CI/CD

- Automated Smoke Tests: This would protect our revenue by reducing downtime caused by deploy-related crash or bugs.
- Catch Unit Test Failures: Having less bug in our live app and spending less time doing manual testing would help us to avoid cost.
- Faster and More Frequent Production Deployment: We would get more revenue by shipping value generating features more frequently to the customers, this would also help us to get feedback early and stay ahead.

Benefits of CI/CD

- Deploy to Production Without Manual Checks: Less time to market would help us to increase our revenue.
- Detect Vulnerabilities: This would enable us to easily detect serious security flaws that would be embarrassing if it had made it to the public. Which would reduce cost.