

Why we should use CI/CD

What is CI/CD?

Continuous integration/continuous delivery (CI/CD) is a method to frequently deliver apps to customers by introducing automation into the stages of continuous delivery, and continuous deployment. CI/CD is a solution to the problems integrating new code can cause for development and operations teams

Continuous integration (CI) is the practice of integrating all your code changes into the main branch of a shared source code repository early and often, automatically testing each change when you commit or merge them, and automatically kicking off a build. With continuous integration, errors and security issues can be identified and fixed more easily, and much earlier in the development process.

Continuous Delivery (CD) is a software development practice that works in conjunction with CI to automate the infrastructure provisioning and application release process.

What will we gain by using CI/CD?

We will bring products to market faster: i.e start generating revenue from new features as they are deployed rather than waiting days or weeks for teams to build, test and deploy bundles of features

Faster time to fault resolution: smaller code changes, means that features can be delivered faster, and if there is a problem, then rolled back and fixed quicker.

More testing!: test reliability improves due to the bite-size and specific changes introduced to the system, allowing for more accurate positive and negative tests to be conducted

Reduction of costs

A CI/CD pipeline should reduce time to live, fewer testing rounds, fewer deployment problems, no more scheduling builds with a deployment team

Developers will be free to spend more time on product development

Bugs will be caught by the tests.

All these add up to an increase in our ROI!