

We need CI/CD Pipeline

How to increase deliveries and decrease the cost of rework

The problem

Issues

About 20% of our work is sent to production without appropriate automated tests, functionalities impacted after to change another, and however we use jenkins, we still need a manual start to update.

Context

Every month new users are using our application:

- The company board need faster data to make decisions
- The users need faster resolutions about issues

To do, right now!

We have many issues opened in our backlog that are causing real problems.

It is necessary to reduce the rework at short time in 0-10% and automate our process of update.

Today

Change Case A

Analyst

Analyst receive the new user case and delivery for a developer to work with it.

Case A Finished

Developer

Developer finishes the work, make manual tests and pushes to principal branch of the repository.

After that, it is used to update production.

Dice is throw!

0-10% Error Chance!

There are a big chance to occur errors in another function, because the manual tests doesn't give us time to check all around functions.

Solution

Developer finishes the task and pushes to repository

The CI tests allow the company delivery tasks with less errors

We have now app updated with less errors and automated deploy

CI - Start

CI - Test

CD - Deploy

CD - Update

App Updated!

Commit?
Let's Go!

If tests success the pipeline continue.

If it fails, then the team is notified

Continuous Delivery update the environment



Solution

Save Money
Save Time
More Productivity

- Reduced risks of manual tasks
 - More time to work in other tasks
 - Less issues opened
 - Lower cost in the support contract
 - In the short term the benefits will be huge
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