



CI/CD

Save Time and Money

Jonathan Morales



What is CI/CD

Continuous Integration (CI) 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 (CD) refers to keeping your application deployable at any point or even automatically releasing to a test or production environment if the latest version passes all automated tests.



How will CI/CD save us money and time?

Using CI, we will be introduce new methodology for building and testing our applications every step of the way.

1. Create unit tests to test individual components reducing bugs found in production thus saving the team time and money
2. Create a build script that will automatically go whenever we push to master, removing the need to have someone manually build product for release.
3. Create feature branches to divide work into smaller chunks making it easier to find source of problems when appearing as well as making it less likely for hiccups.
4. Putting all the tools together we are able to have the time focus on the creating more features thus creating more value to the company



How will CI/CD save us time and money?

Using CD, we will be introduce new methodology for deploying our code that will save the team time and money

1. With CD we now will be introducing smoke tests into our product removing the time needed to have a developer manually test a product when it reaches a environment.
2. CD is the approach of continuously delivering to our envs, with smaller chunks of code introduce the chances of a hiccup are lowered
3. Our product will now have metrics that are gathering information of the product's health allowing us to react to problems a lot quicker than before, which will save us money by helping us prevent a issue before it gets big enough to harm customers.