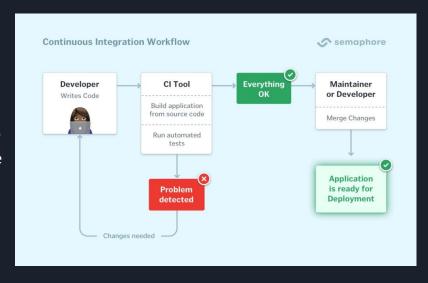


What is "CI" in "CI/CD"?

"CI" is all about code and dev workflow. "CI" stands for "Continuous integration" which in simple words means that, automating the process of integrating and testing project's new features Continually to ensure fast and cost-effective integration with the existed code-base. the automation here brings us a ton of benefits and rewards which will be translated at the end into more revenue and less cost, for example, we will get Less developer time on issues from new developer code, as each new feature will be tested automatically and catch errors before being integrated to the main project, prevent embarrassing or costly security holes, fewer bugs in production and less time in testing, and much more.



This leads us to move fast towards transforming our workflow to "CI/CD" to get benefit from these awesome techniques.

What is "CD" in "CI/CD"?

While "CI" cares about the integration workflow of the code, "CD" stands for continuous delivery/deployment, and it cares about deploying and moving the generated code/artefact from "CI" directly to production and being reachable by the public audience.

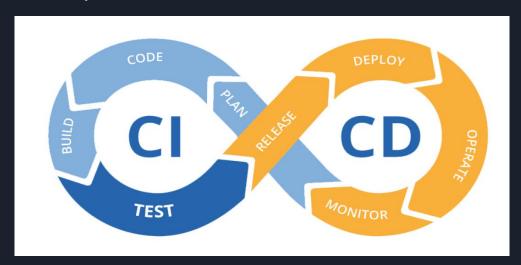
Again by the automated tasks that build the infrastructure and deploy our code and rollback if catch any errors.

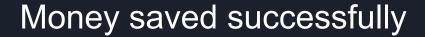
The beauty here is all of these are done automatically by the machine which preserves the time spent doing that manually by our dev team, which again can be translated to money.



How would CI/CD benefit business?

We can assure a faster release rate by moving to the CI/CD paradigm, because as we mentioned will use this set of machine automated tasks, that are responsible for integrating the code and features made by the tech team and doing the repetitive and critical tasks of integration and deployment on behalf of the team, which will reduce the efforts and time needed for getting this done, and also will reduce the failure rate or mistakes done by humans, which give us a faster release rate, and preserve the tech team time which saves the business money.





Thank you!

Ibrahim M Abd El-hay

