

CI/CD Fundamentals and Benefits

First of all, I would like to introduce the concept of Continuous Delivery, which is a mindset or approach in which our IT team can deliver our software, resources and bug fixes more quickly. With these advantages our software will be much more interesting for our customers. We can easily deliver small parts of features generating greater profitability in a short space of time.

CI, or Continuous Integration is one of the tools we will have, in which we can unite the work of all our developers in one place. Our developers can work simultaneously on the same project or functionality. We will have a product with fewer failures due to the automatic tests that can be run. If a test fails, it can be quickly tracked and fixed, thus avoiding it. Having a product with fewer flaws, less time and money spent on corrections and more time our developers will have to work on features. Again, new features, more cash inflows.

CD, or Continuous Deployment is another tool responsible for running our tests, analyzing and in case everything goes as expected to deliver our software for production. But in the event of a failure, it will also act to prevent the delivery of a failed system, returning the software to its previous state. Our team had learned of these flaws through alerts sent to them.

Remembering that all these steps are automated, our team will be focused only on producing new products and functionality. CI / CD will be our main supporter to do more in less time, spend less time and deliver more results.