



CI/CD

What is it & Why We Need It



Continuous Integration & Delivery

- It is the Automation of:
 - Integration of new features with the existing code base.
 - Some tests to ensure the quality of the newly added code.
 - Deployment of new features.
 - Testing on a production environment.
 - Promoting a new production.

Faster & Saves Time

- Less time spent on deployment tasks means more time to focus on developing new features.
- We can focus on making more granular changes, merge them faster and introduce them to customers faster.

Remove The Human Factor

- Having a process that is less prone to errors and making sure that each time we're repeating the same process

Customer Satisfaction

- More frequent releases and faster bug fixes.
- Less bugs because we're making sure the unit tests are run with every code push

Team Satisfaction

- Letting developers focus on developing new features instead of doing repeated tasks
- Making the build/test/analyze/deploy/release process a shared responsibility between the whole team and not dependant on a single person.