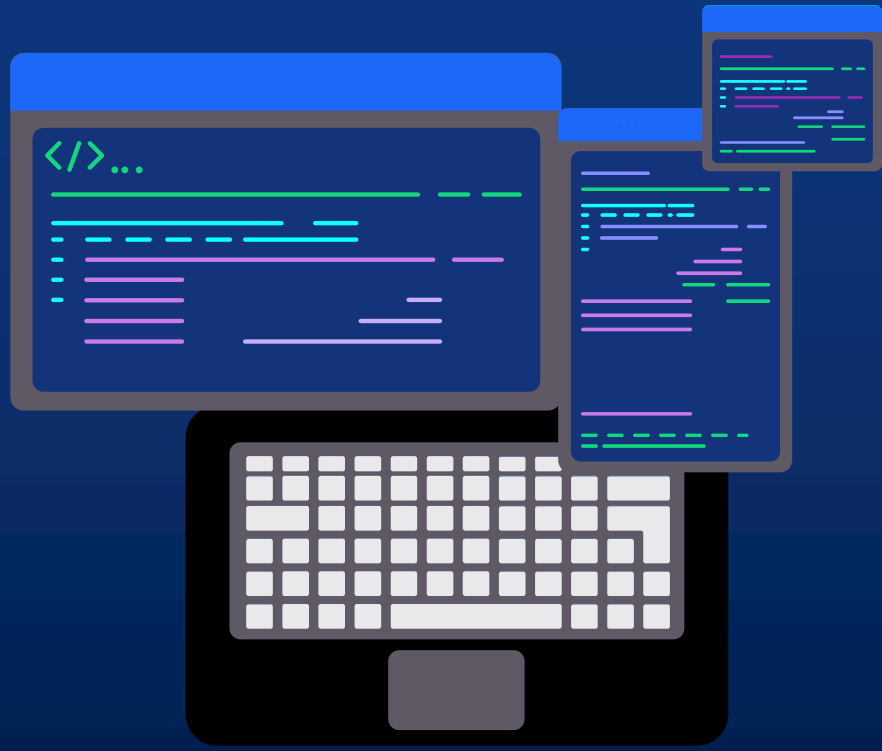
CONTINUOUS DELIVERY

AN EFFICIENT WAY TO DELIVER SOFTWARE



Integration and Deployment Issues We Face After A Sprint

Currently, our strategies and processes for development to delivery are not optimum.

- We wait too long to push a **new feature** to production since we usually wait for all new features to be pushed together.
- We get too many **merge conflicts** from our developers when they release a large chunk of code they have been working on for a very long. Thus, we are unable to meet our deployment timelines.
- Our testing process takes too long since our developers spend a lot of time looking for **anomalies** in the main branch.

How Can Continuous Delivery Improve our Product?

We can do this through CI/CD

CI

Continuous Integration

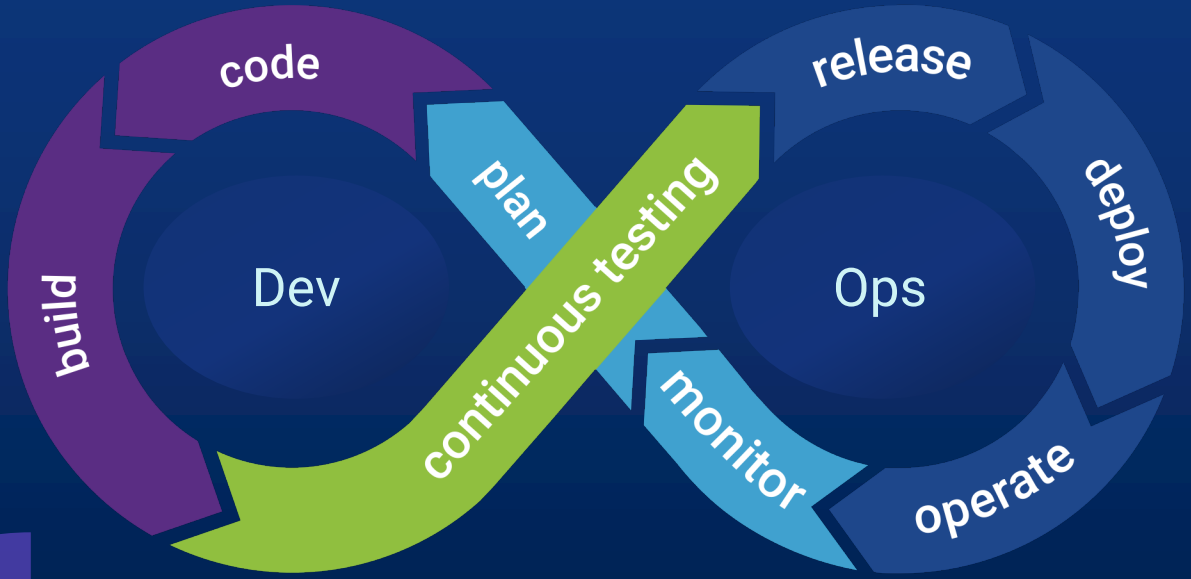
This is a practice of merging all developers' working copies to a shared mainline several times a day

CD

Continuous Deployment

This is a software engineering approach in which the value is delivered frequently through automated deployments

CI/CD in a Nutshell



What We Can Achieve With CI / CD

- Less human error and merge conflicts.
- Faster Deployments
- Automated infrastructure Creation and Monitoring
- Thorough automated testing
- Accelerated Feedback Loop