

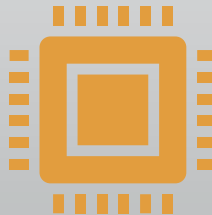
CI/CD

Create, integrate and deploy

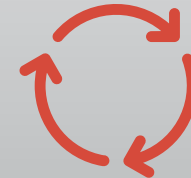
What is Continuous Integration/Delivery (CI/CD)



Continuous Integration: is the practice of integrating code into a shared repository and building/testing each change automatically, as early as possible - usually several times a day.



Continuous Delivery: adds that the software can be released to production at any time, often by automatically pushing changes to a staging system.



Continuous Deployment: goes further and pushes changes to production automatically.

Why Continuous Integration?

- Detects errors as quickly as possible
 - Fix while fresh in your mind
- Reduces integration problems
 - Smaller problems are easier to digest
 - Don't compound problems
- Allows teams to develop faster, with more confidence
- Increase in revenue.
- Cost Reduction.
- Cost Avoidance at some cases.
- Revenue protection.



Why Continuous Delivery?

- Ensures that every change to the system is releasable
- Lowers risk of each release - makes releases “boring”
- Delivers value more frequently
- Get fast feedback on what users care about
- Increase in market share
- Faster feature delivery for customers

CI/CD Flow

