



# CI/CD for building and deliver produces

the benefits of using CI/CD for building, delivering and  
automating great products



A stylized lightbulb icon with a red glow and a white base, positioned in the top left corner.

# CONTINUOUS DELIVERY


An orange arrow pointing from the main title to the Continuous Integration text.

**CONTINUOUS INTEGRATION**

An orange arrow pointing from the main title to the Continuous Deployment text.

**CONTINUOUS DEPLOYMENT**

Continues Delivery consist of:

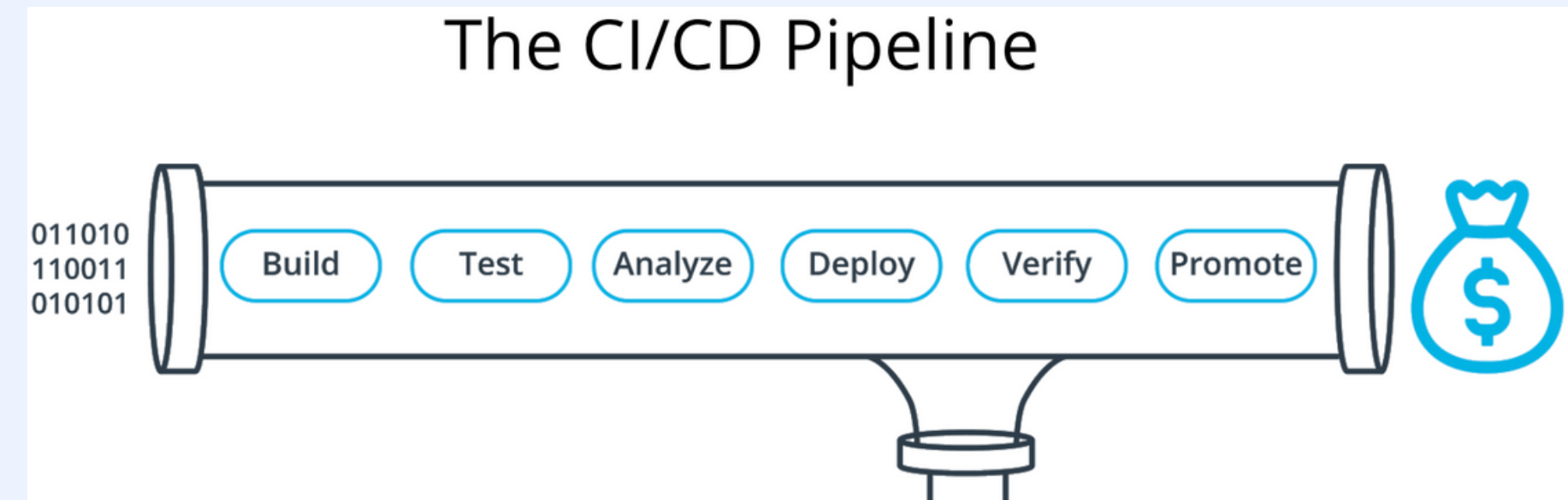
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- A Venn diagram consisting of two overlapping circles. The left circle is light blue and the right circle is green. The overlapping area in the center is a darker shade of blue.
- **continues Integration:** making sure developers use the same repo to avoid conflicts in the production phase
  - **continues Deployment:** the process of deployment and verify changes automatically without humna interaction



# CI/CD pipeline

the CI/CD pipeline consist of many stages starting with building which is coding then testing then analyzing which is a process and those three stages are continues integration, then comes deploy, verify and promote which is the depolyment stages to deploy a new version instead of the current version.

applying CI/CD make sure everything will work expectedly from starting working on the project until the deployment of the product, and making most of the stages automated without human interaction avoiding a lot of errors and makes the delivery of the products much faster than before.



# benefits of Ci/CI for the business

## ***AUTOMATE EVERYTHING***

this will save a lot of time which will help to deliver products very fast and will help to increase the revenue. also will avoid a lot of errors and bugs that happens from human interaction.

## ***CATCH UNIT TEST FAILURES***

using Continues Integration and continues devliery will catch unit tests which will save a lot of time testing and this will avoid the the cost of testing time.

## ***FASTER PRODUCTION DEPLOYMENT***

we get more revenue by shipping products faster to the customers.



# benefits of Ci/CI for the business

## **DATA SECURITY**

applying CI/CD will help us to detect serious security flows inside of the product, this will save a huge money and avoid very big problems and erros in the future in the deployment phase.



## **DEPLOY AUTOMATICALLY**

applying CI/CD will help us to deploy without manual checks which will make it faster and less errors without human interaction.

