



CI/CD Proposal

Agenda

- **Current Setup & Approach**
- **What is CI-CD?**
- **What is the goal of a CI/CD pipeline?**
- **Going faster with CI-CD**

Current Setup & Approach

- Here are some of the weaknesses in our current approach:
 - > Time-consuming and error-prone.
 - > Lack of independence & consistency.
 - > Low Quality, more efforts and cost.
 - > Takes long-time in investigation.

What is CI-CD?

- **CI/CD** is a method to frequently deliver apps to customers by introducing automation into the stages of continuous delivery, and continuous deployment.
- **CI** : The CI approach helps to build and test your software. It allows more incremental update with code quality.
- **CD**: The CD approach helps reduce the cost, time, and risk when changing software. It allows more incremental updates to end-users. It does this through automation of building, testing, and releasing of software with greater speed, accuracy and frequency.

CD = Faster | CI = Safer

What is the goal of a CI/CD pipeline?

- The main goal is to reduce the risks involved in deploying software.
 - do several stages in less time
 - produce high quality products,
 - improve time to markets.
 - Keep your code safe.

Going faster with CI-CD

- - **Time is money:** Moving faster reduces the lead time between the conception of an idea and its implementation.
- - **Tighter customer engagement.** Businesses that move faster can respond more quickly to customers; responding faster can increase uptake, market share and customer loyalty.
- - **Reduce the failure footprint.** Release fixes and new functionality to a small customer base. Confirm it works before widening the footprint
- - **Keep it green.** When the system builds (many times a day), if any automated build or test steps fail, the pipeline becomes red and blocks any new code being promoted to other environments.