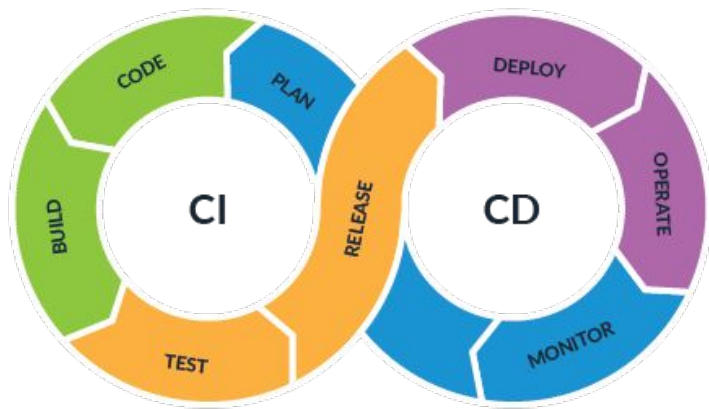


# WHAT IS CI/CD & WHY


**Continuous Integration and Continuous Deployment (CI/CD)= Continuous Delivery**

# WHAT IS CI/CD ?

- Welcome once again! The concept of CI/CD, refers to **the practice of automatically building, testing, and deploying** software changes to various environments, such as development, staging, and production.
- The goal of CI/CD is to **catch and fix errors as quickly as possible**, and to improve the overall quality and reliability of the software.



# WHY CI/CD ?

- **Increased Revenue:** Faster and more frequent delivery of new features and updates can lead to increased customer satisfaction and more revenue.
  - **Protecting Revenue:** Yes, catching and fixing errors before they reach production can prevent costly downtime and lost revenue.
  - **Controlling the Cost:** Automating the software development process can save time and resources, which can help to control costs.
  - **Faster Time-to-market:** By automating the software development process, our company can deliver new features and updates faster, which can help us to stay ahead of the competition in HR solutions.
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# CICD IMPLEMENTATION

- **An incremental approach** allows for a gradual implementation of the pipeline, making it less disruptive and easier to manage.
- **To implement CI/CD for the UdaPeople product, can** start with one or two simple features and implement CI/CD for the project. This allows for a low-risk, low-impact starting point, and can serve as a proof of concept for the rest of the UdaPeople product features and future projects as well.



# CONCLUSION

The implementation of the CICD for the UdaPeople product can potentially make a huge improvement in terms of **cost, revenue, team productivity**, and for the overall organization!

**Are We Ready?**

