

# Problem

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Software changes are always been released to production.

These changes tend to bring about unintended behaviors, which might cause our application to go down thereby negatively affecting **our clients and their trust in us.**

# Solution

Rolling out these changes in increments will enable our teams to develop code in parallel, while reducing the risk of failure, both in development and deployment. Hence the need for UdaPeople to adopt the concepts of CI/CD.

**CI** - continuous integration

**CD** - continuous delivery or continuous deployment.

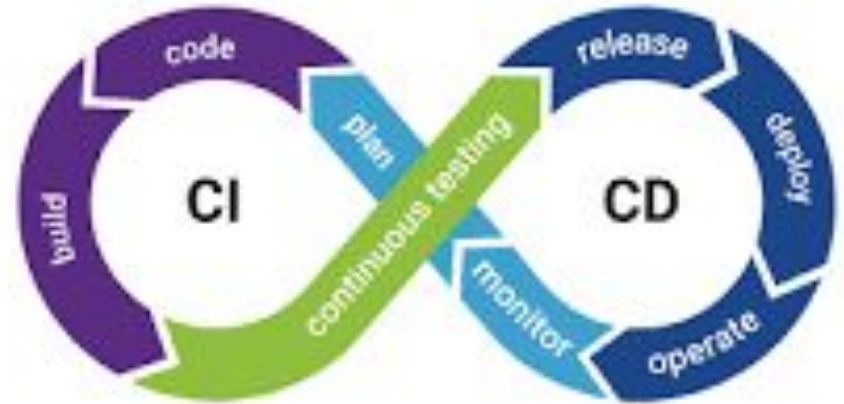
# CI/CD

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**CI/CD** is all about automation.

The process works similar to a production line, with each stage of the pipeline assures that errors will be minimized as each step repeats.

With fewer code changes to fix, (we) developers don't need to invest as many hours into maintaining and delivering the code.

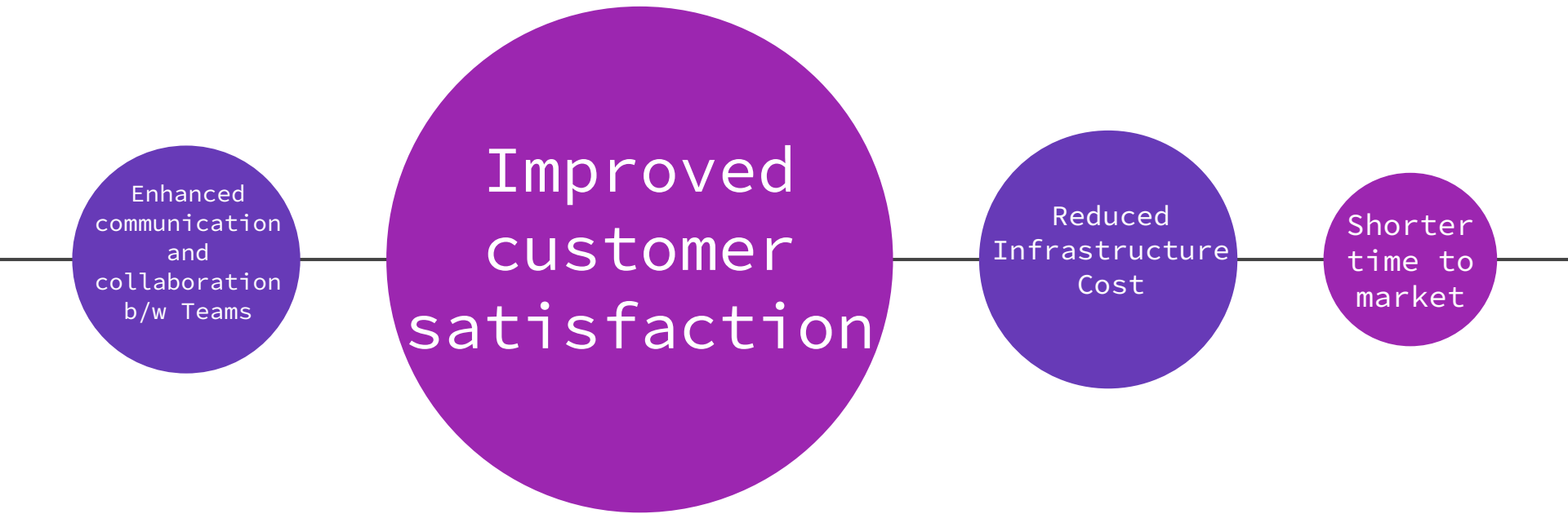


# Benefits of CI/CD

- Increased efficiency
- Reduced risks
- Service agility
- Efficient infrastructure
- Accurate progress monitoring
- Rapid feedback cycle
- Improved user experience
- ...Many more

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# How it's beneficial to UdaPeople



“Continuous Integration doesn’t get rid of bugs, but it does make them dramatically easier to find and remove.”

*Martin Fowler, Chief Scientist, Thoughtworks.*

# Thank You

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