UdaPeople and Why we NEED CI/CD

What is CI/CD?
- Continuous Integration and Continuous Deployment

In a nutshell, Continuous Integration(CI) is practice within Software Engineering that required developers to integrate code into a shared repository several times a day, or agreed upon interval(ideally daily). Each check-in and update of code is then verified by automated build systems. This allows for the early detection of problems(errors within the code). By the "Continuous" integration you can detect any problems easily and quicker.

Continuous Deployment is an ethos where "value" or improvement is delivered frequently using automated deployments. In a simpler form, it can be said that any area of the production line that consists of a task that is repeated and can be automated, should be automated. When both these are used in tandem, the efficiency of your production line is improved dramatically.

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•What does this mean for UdaPeople?

The old adage, "Time is Money," has never been truer. The time spent by developers scripting and implementing and preparing infrastructure is paid for by us. So in essence if we reduce this time we reduce costs.
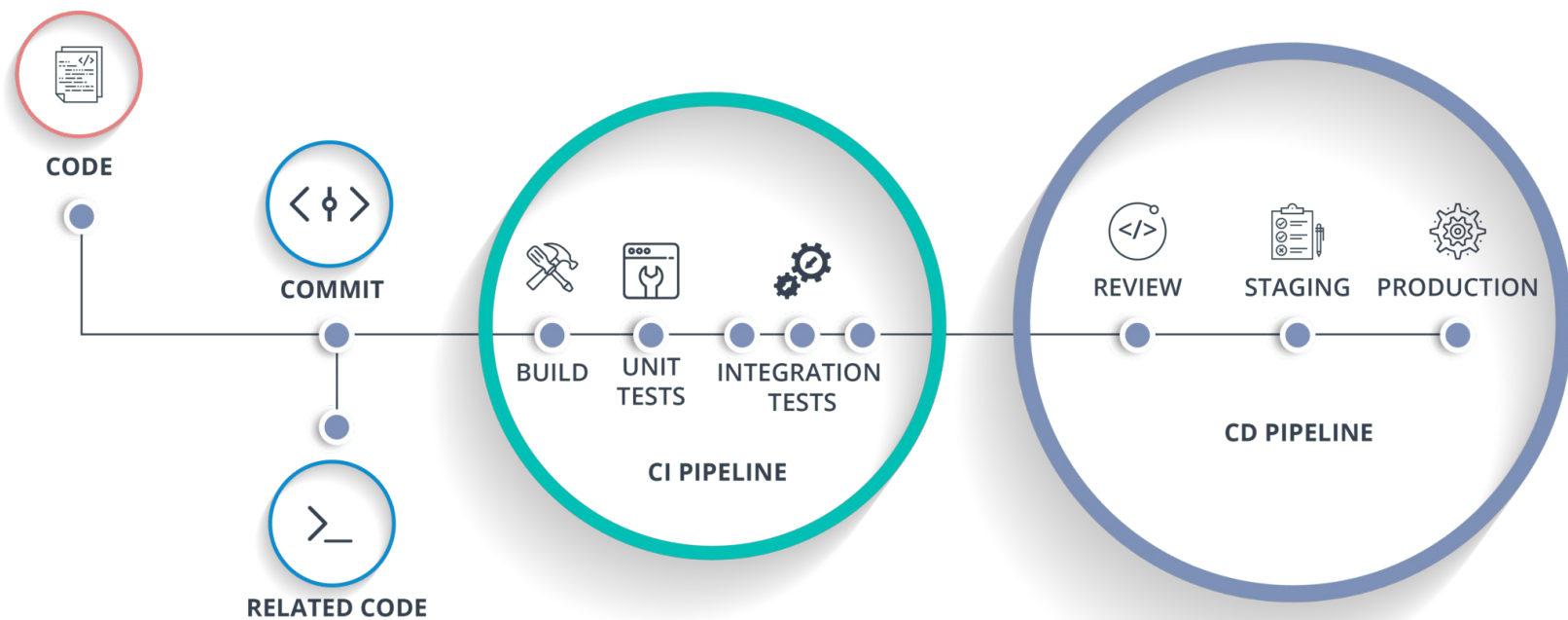
In addition to this and more pressing may be the value provided by continued up-time. Since errors and issues are detected earlier, before rolling applications out to production, there are fewer bugs in the production and less time spent by developers involved in testing.

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More Benefits

- New Features are released quicker

- Less infrastructure costs

- Security costs are reduced

- If there is a system failure, rolling back to a working production state is fast

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CONCLUSION

- The bottom line is, our delivery to the client will be faster with less problems which in turn will instil trust and confidence.

- As a company with your help we will soar amongst the the Clouds.