

# Why UdaPeople should use CI/CD pipelines

Discussion Document

2020/12/28

# Executive summary

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## Situation

Uda People has grown continuously both in revenue and staff size. With the product being at the core of the company's success, the engineering department grew considerable in size.

## Challenge

The engineering department needs to manage its developments in order to keep delivering high value features into production in short time while keeping errors and downtimes at the current low rate or even below.

## Solution

Using CI/CD from the first minute for any new development can save costs, protect and even increase revenue.

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# Agenda

**Reasons for having a CI/CD pipeline**

# Using CI/CD pipelines can help us reduce costs, protect and even increase revenue

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## Reduce/Avoid Costs

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Catching compile errors early (after merge) reduces developer time spent on issues from new code.

Catching unit test failures reduces time in testing and bugs in production.

Detecting security vulnerabilities prevent costly security holes.

Automated infrastructure creation enables faster deployments.

Automated infrastructure cleanup reduces costs from unused resources.



## Protect Revenue

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Automated smoke tests reduce downtime from a deploy-related crash and major bugs.

Automated rollbacks in case of a job failure enable a quick return of production environment to working state.



## Increase Revenue

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Faster and more frequent production deployments lead to new value-generating features released more quickly.

Deployment to production without manual checks reduces time to market.