

# Why CI/CD for Udapeople

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Submitted by

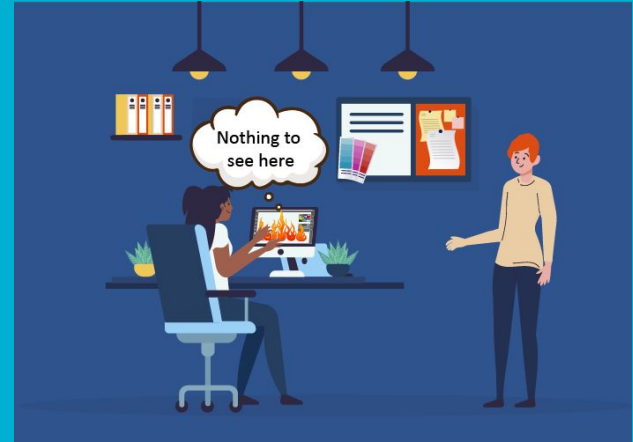
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# Changing the way we deliver

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Previously, development team will develop software, testing team will write test cases for each fix and then the operations team will deploy the software in production servers. This causes

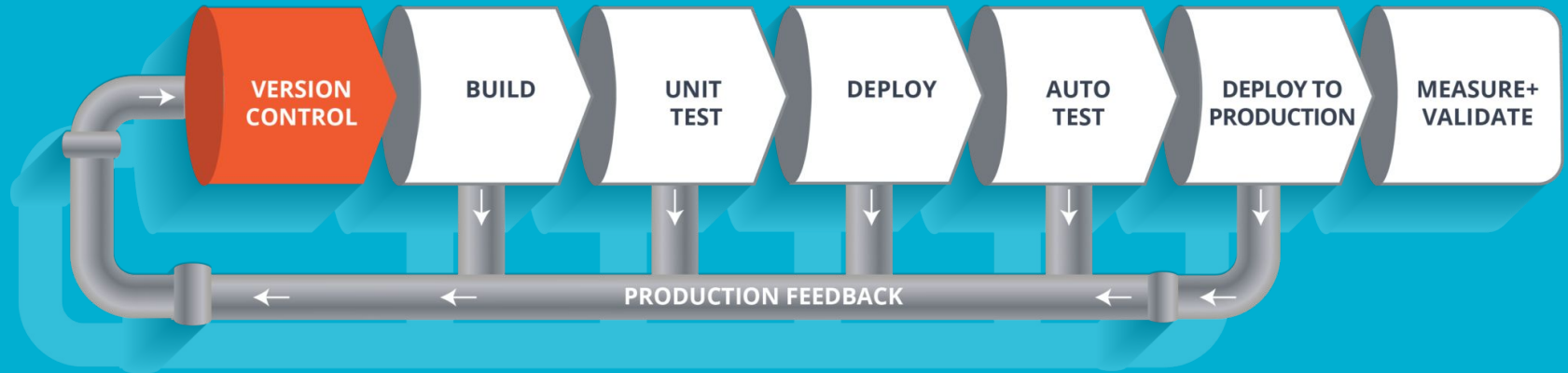
- > Delays in getting fixes to production  
( lost opportunity and revenue)
- > Manual deployment could cause bugs in Production
- Provisioning too many resources that causes unnecessary money burn



# What is CI/CD

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- Continuous integration(CI) is to merge all developer working copies to a shared repository several times in a day and continuous deployment/delivery(CD) is where the code changes are automatically prepared for a production release.



# CI/CD Benefits for business

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- ★ Easier for more than one team member to work on the same feature.
- ★ The cost of merging small changes is much lower than large changes.
- ★ Less bugs in production, more time to deploy new features.
- ★ Avoid extra costs on infrastructure.
- ★ It is much easier for QA engineers to validate small changes iteratively in a consistent system, so detecting the source of errors becomes much simpler.
- ★ Features can get into the hands of customers in an earlier state. This means that if we're on the wrong track, we can change direction after only a small investment.



Thank you!

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