

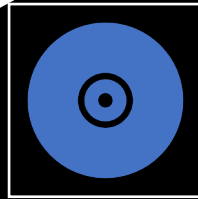
UDA People

CI/CD Proposal

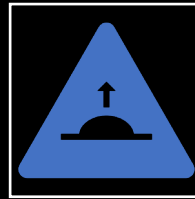
# What is CI/CD

- CI- Continuous Integration involves merging branches to the main one continuously daily (several times). Test automation is the main-focus with deployable high-quality artifacts.
- CD- Continuous Delivery. Software changes are pushed quickly to customers via automation.
- Continuous Deployment. This involves the automation of deployments without human interaction. Examples can be: smoke testing or production deployments

# Clear Benefits



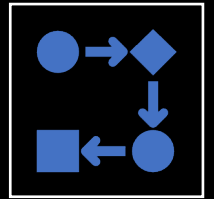
-CI/CD allows us to rapidly test all release before they get sent to end users.



-Since most of the times errors have to be caught and then dealt with, rollbacks allow for the design of the system to be more fault tolerant.



-Quality is improved due to the time saved doing manual QA



-Production deployments can be done faster and with less errors.

## Enterprise Problems and CI/CD Solutions

- Problem: Slow feedback cycles.
- Solution: Faster feedback cycles illicit higher customer satisfaction.
- Problem: Missing smoke tests and manual rollbacks
- Solution: Increase operational efficiency and save money on costly errors that may lead to increased downtime.

# Opportunity Costs

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CI/CD while cost efficient still requires continuous improvement and support and maintenance.

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The upfront investment that is required takes longer for those who are not too tech savvy.

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The long-term benefits greatly outweigh the moderate upfront learning efforts