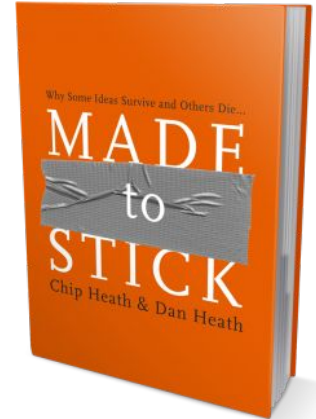# Introducing CI/CD to automate UdaPeople continuous delivery.

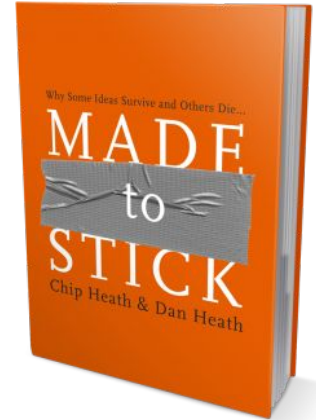To focus more on developing/enhancing UdaPeople product rather than delivering.

DELIVER FAST

- Continuous delivery = continuous integration + continuous deployment.
- CI reduces time to monitor and merge all the code repositories who might work on different feature requirements.
- To Standardize alerting initial errors to respective developers once they push the code,
- The time to fix bugs with the automated alerting system reduces which ensures high revenue.
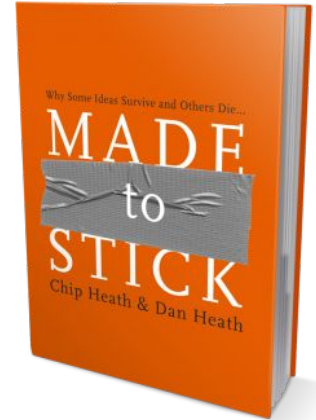
Development cycle

- Quicker delivery of product enhances customer satisfaction with good returns to the company
- Automated testing jobs will be integrated in the deployment cycle which takes care of product stability before deploying to production.
- Reduces the server down time as the testing job failures immediately notifies.

Infrastructure

- Product deployment and infrastructure is maintained and automated throughout the environments.
- ZERO downtime to the customers, as we have blue/green deployment ensuring no loss in revenue.
- With the testing jobs and deployment jobs we have, once everything looks good and pushed to production, we have another job to automatically delete the previous builds which save cost and time

Just one! Monitoring Systems.

- We will have a centralised monitoring system to monitor all the services which are deployed and which are in progress.
- As the testing job fails, it immediately alerts through channels like slack, email ... and also rollbacks deployments automatically