

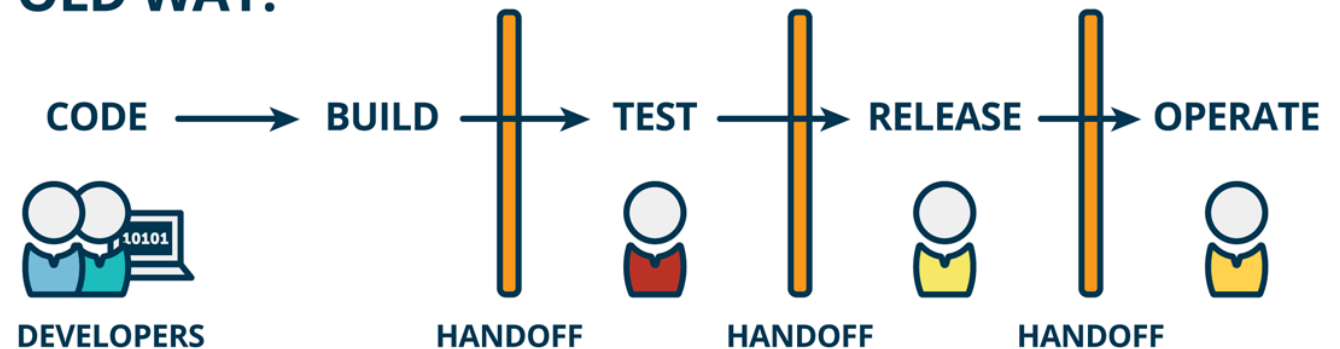
Benefits of CI/CD  
to achieve, build,  
and deploy  
automation  
faster and  
reducing costs



# Current Situation at UdaPeople

- New deployments of our product take ages, downtimes are common to publish to the market
- Releases can be only published quarterly or even only on yearly basis
- Bugs and poor quality are more likely since a lot of manual work and manpower is involved
- Less resources in delivering value to customers since we need to take care of our release cycle

## OLD WAY:



# CI/CD Fundamentals

## Continuous Integration

- Practice of merging all developers working copies to a shared mainline several times a day
- > less code conflicts due to reduced codes branches

## Continuous Deployment

- Value is delivered frequently through automated deployments
- > no human intervention needed for release to production



# Benefits of CI/CD



Faster and more frequent deployments per day

New features are faster visible for our customers, results in more revenue

Early bug detection through unit tests and merged branches

Less developer resources needed and avoided costs fixing errors in production

Automated smoke tests and rollbacks in case of job failure

Revenue is protected since fast rollback to production is guaranteed

Automated infrastructure creation and cleanup

Less infrastructure costs from unused resources