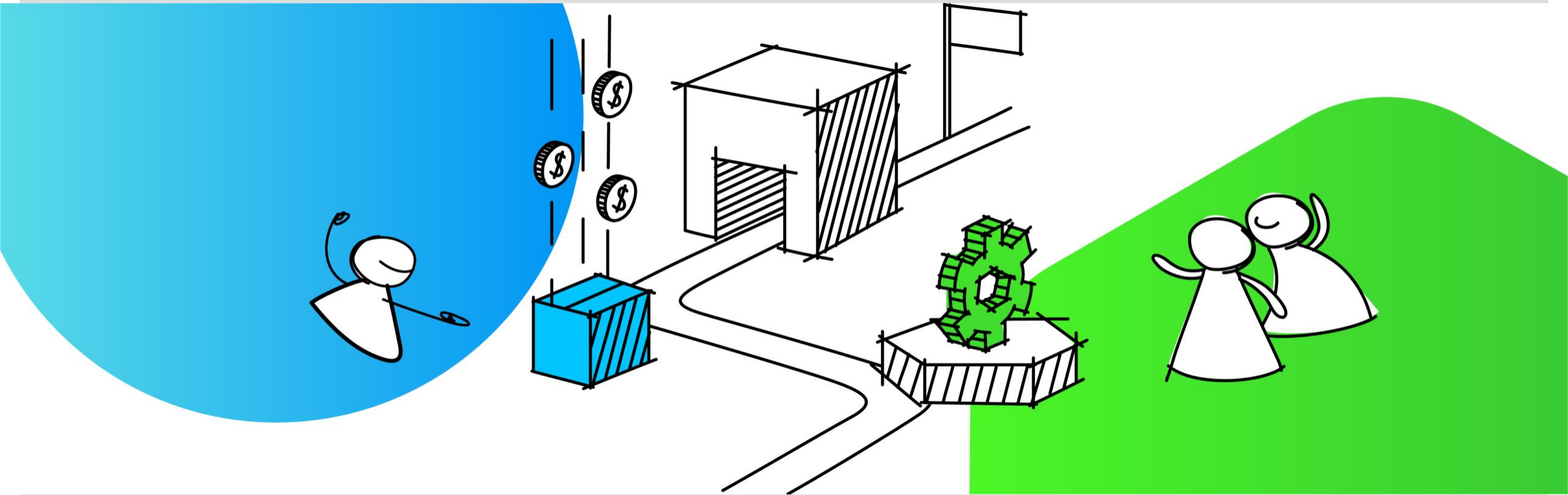
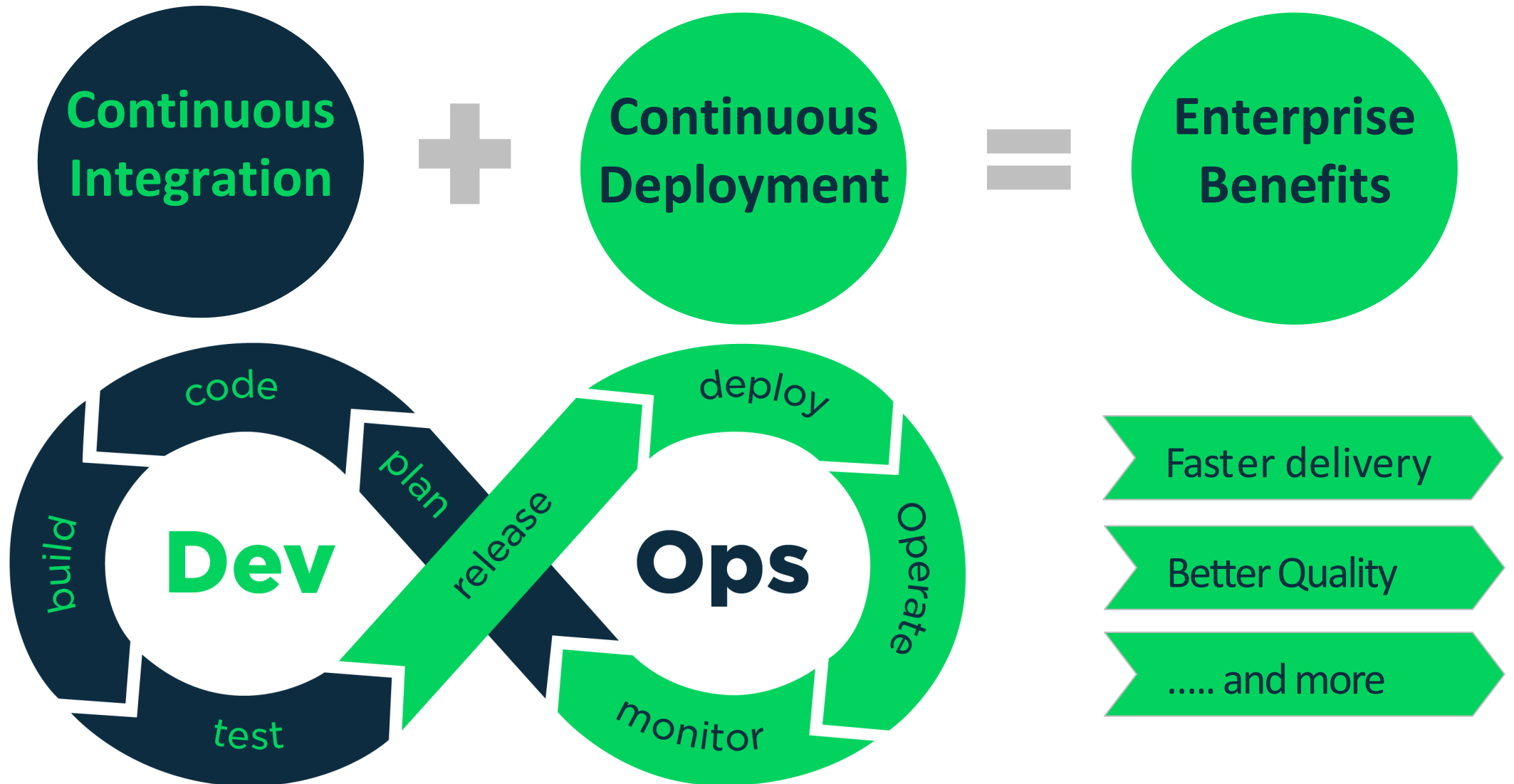


UdaPeople Project

Continuous Delivery Automation



CI/CD a better way to build and ship
software to the market



Coordinate + Integrate + Test the Daily work of developers Towards Delivery of High Quality Deployable Artifacts.

Continuous Integration

it's all about code and "Dev" workflow

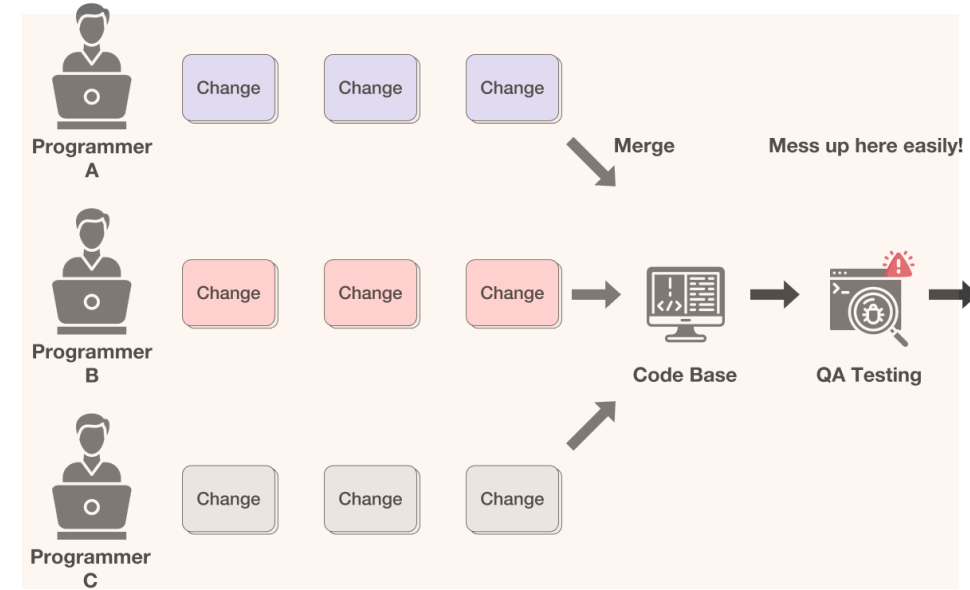
Develop with unit-test in consideration
Tools:

- Git repos management such as git.hub, gitlab.com, github
- CircleCi, Gitlab Runner
- Ansible

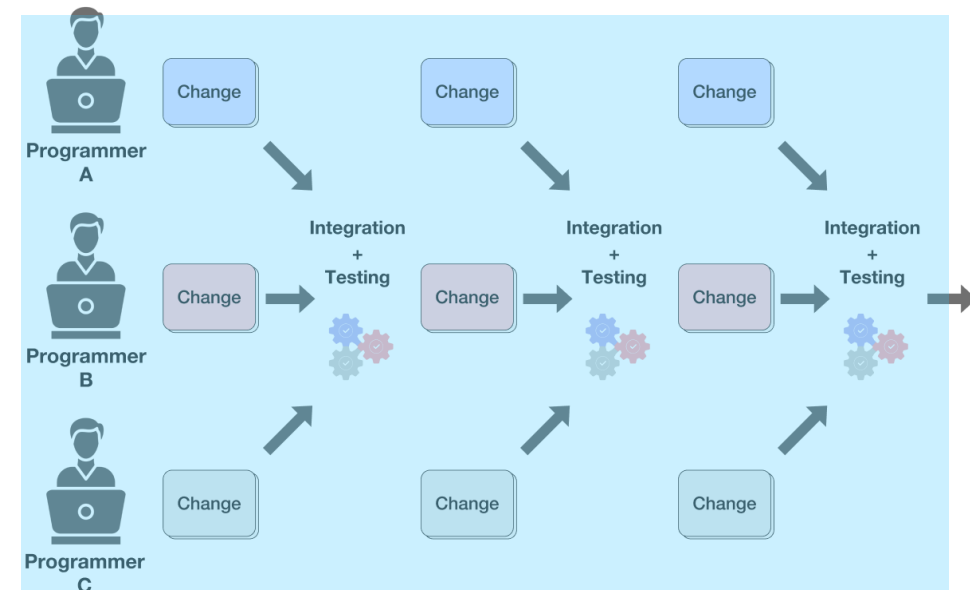
CI phases:

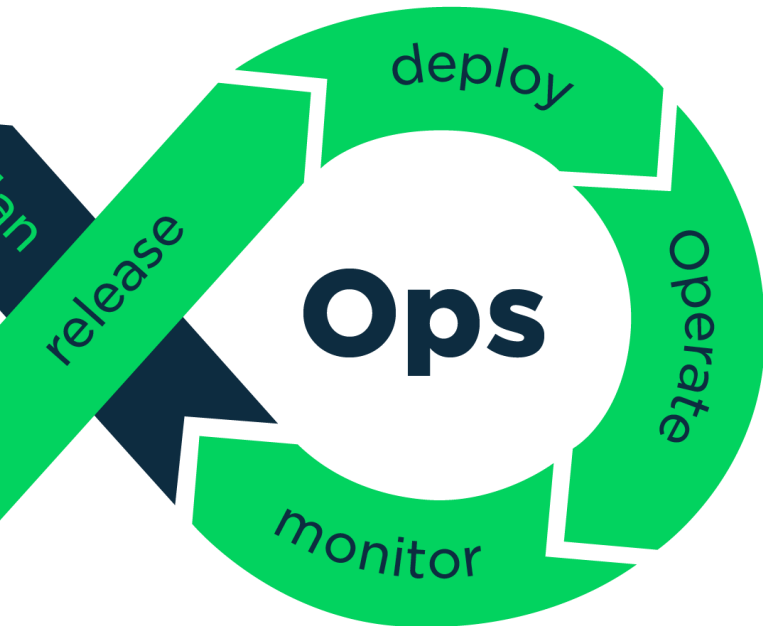
- Coding (system code, unit-tests, integrated test-scripts)
- Automate Code Building - alert on failure
- Automate Testing - alert on failure
- Static Analysis (Check Vulnerabilities) - alert on failure

Traditional Way



With CI (fail fast 🖐️ .. fix early 😊)





Deploy Software artifacts in automated way

it's like having a **Robot** to **pick** your **sold products from warehouse shelf** to the **customer**, this **reduces human factor** and **increase revenue**

Continuous Deployment

it's all about deployments and "Ops" workflow

Automate Deploying software artifacts to different environments: SIT, Testing

Tools:

- CircleCi, Gitlab Runner
- Ansible
- Prometheus Monitoring & Alerting

CD phases:

- Provisioning Infrastructure
- Configuring Infrastructure
- Smoke Testing
- Promotions
- Cleaning
- Monitoring

