



UNIVERSIDAD TECNOLÓGICA NACIONAL
FACULTAD REGIONAL CÓRDOBA
INGENIERÍA EN SISTEMAS DE INFORMACIÓN
CÁTEDRA DE INGENIERÍA DE SOFTWARE

Continuous Deployment

AÑO 2019
CURSO 4K4

GRUPO 9

CAMPANA, ESTEBAN (54843)

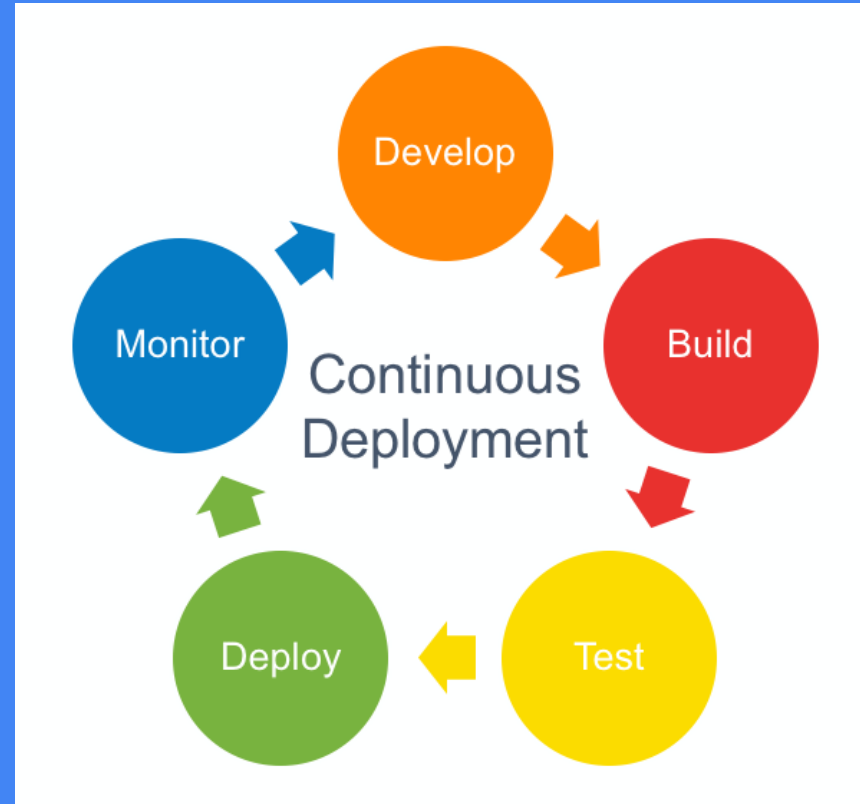
CUADRADO, ALEXIS (61022)

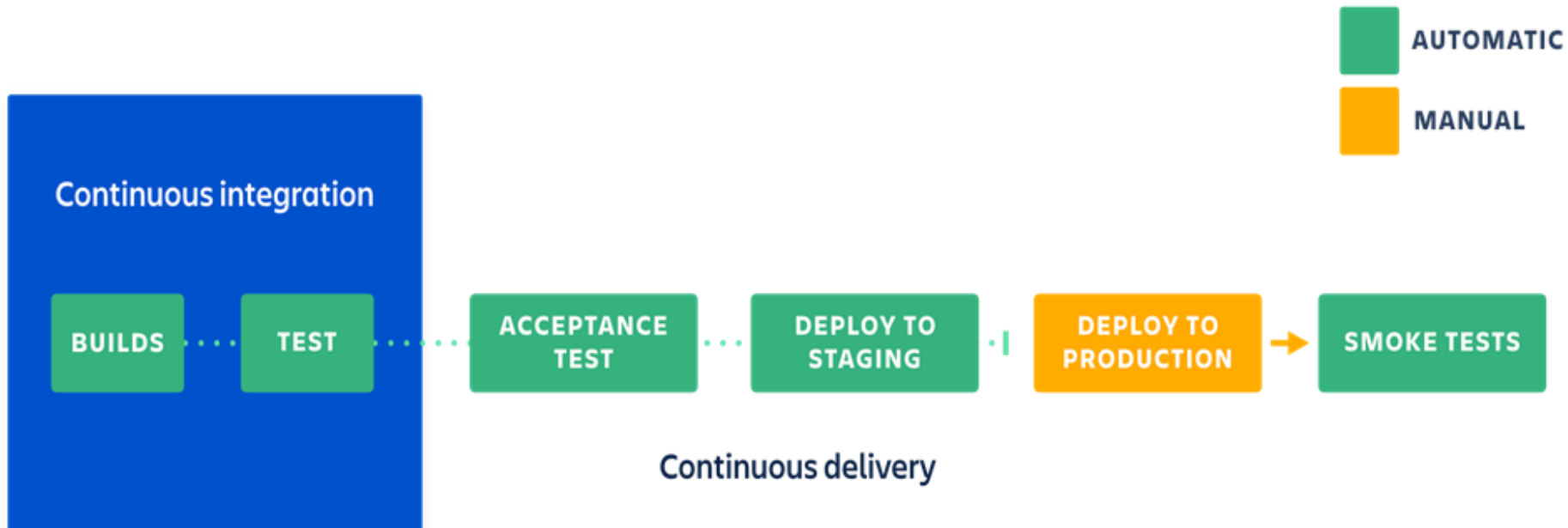
DOCENTES:

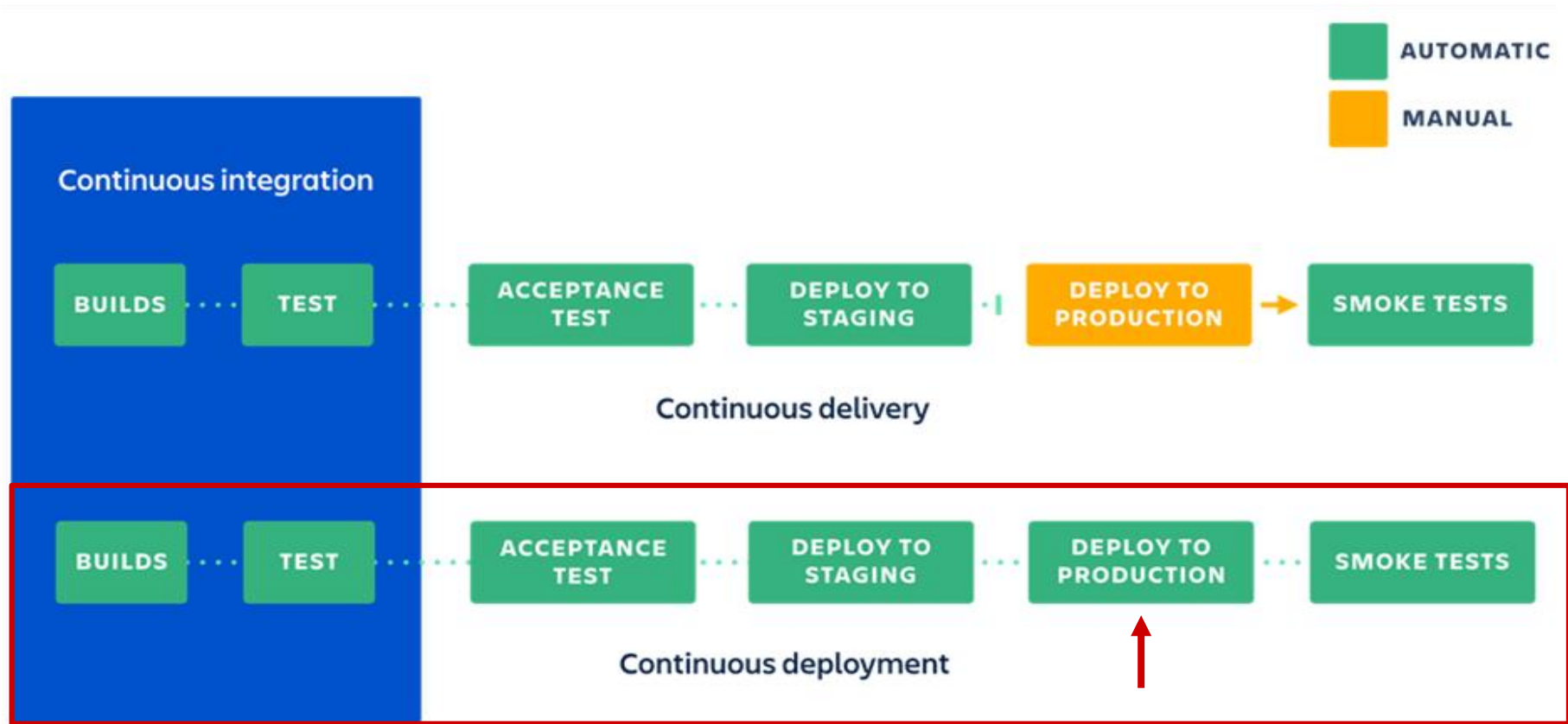
COVARO, LAURA INÉS (ADJUNTO)

ROBLES, JOAQUÍN LEONEL (JTP)

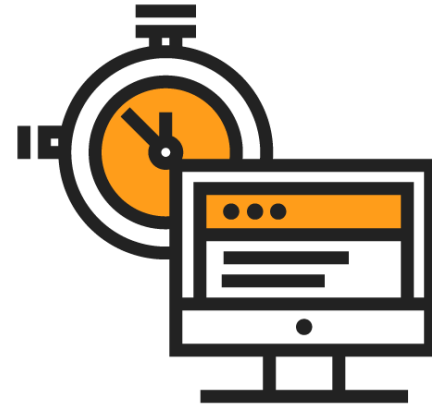
BELLI, GIULIANA (AYUDANTE 1RA)





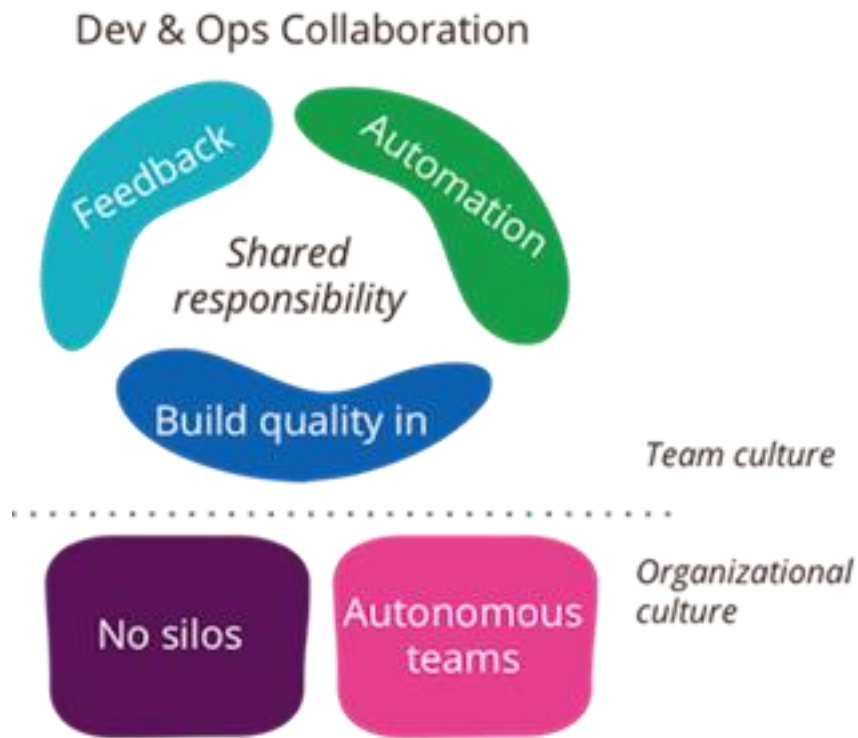






ONE DOES NOT SIMPLY

DO CONTINUOUS DEPLOYMENT




```
...
super.viewDidLoad()
if let env = getEnvValue() {
    envLabel.text = env
    console.log("Hello world!")
} else {
    envLabel.text = "OOPS!"
}
```

hello
world

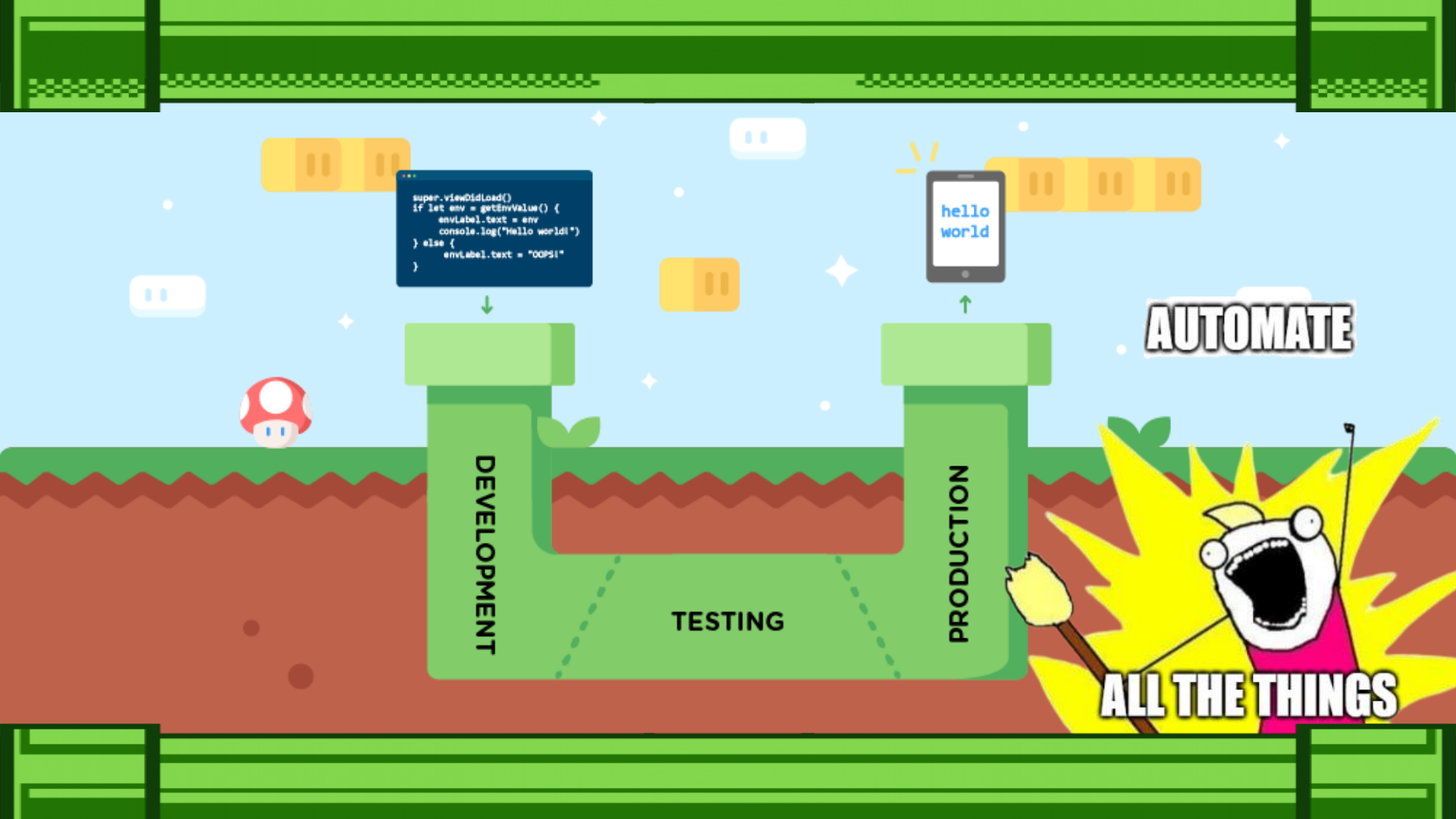
AUTOMATE

DEVELOPMENT

TESTING

PRODUCTION

ALL THE THINGS



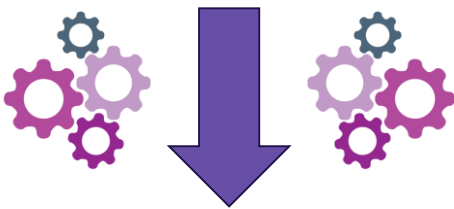


STRATEGY



GOAL

v1.0



v2.0



THE CHALLENGE



Big Bang Deployments



v1.0



v2.0



Rolling Upgrades

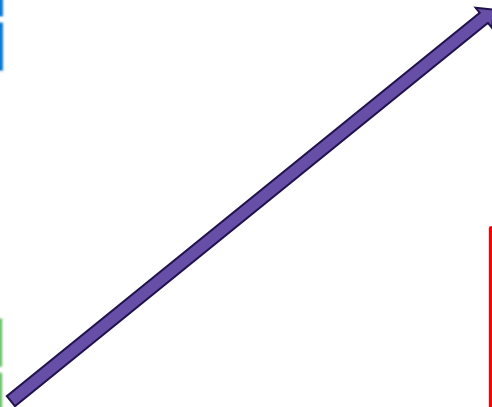


State 0

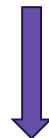
v1.0



State 1



State 2



Final State

v2.0



Rolling Upgrades



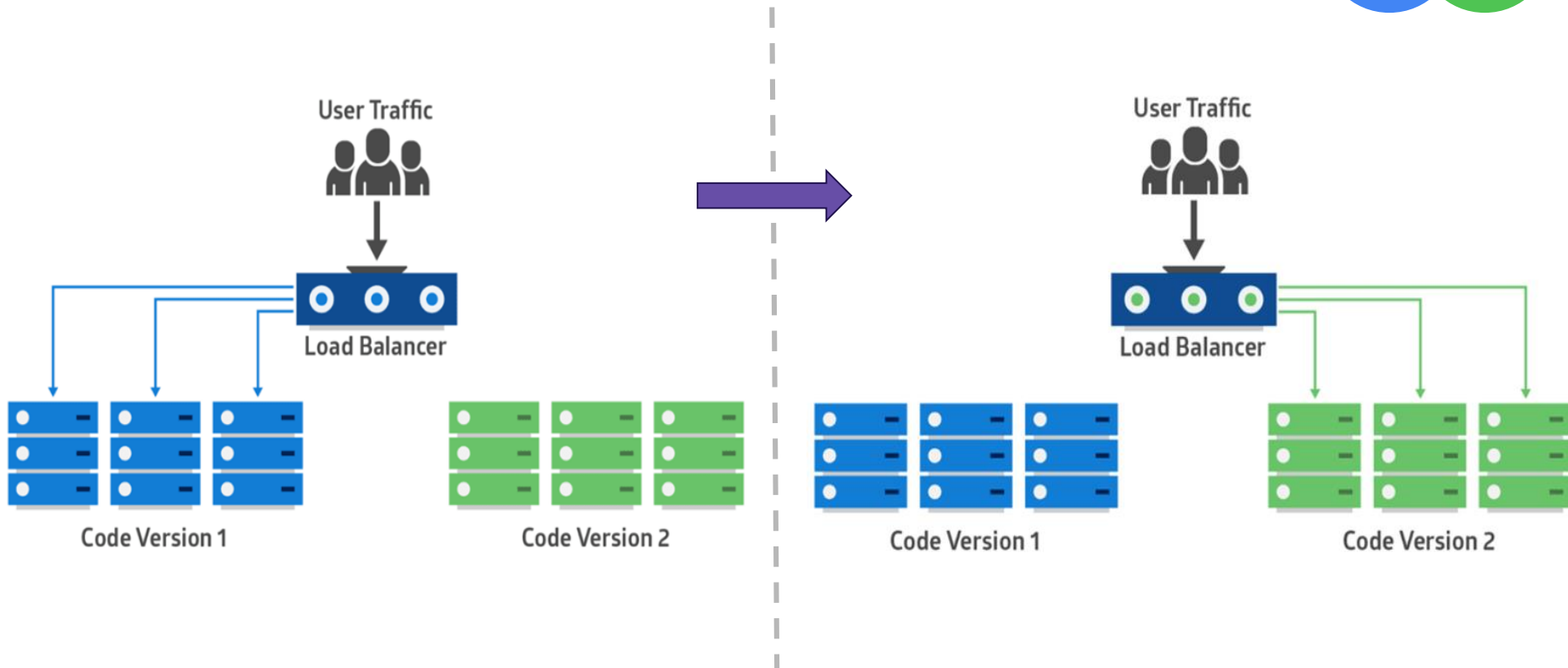
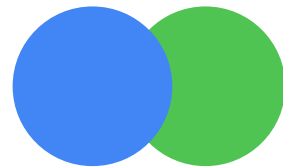
NOT BAD



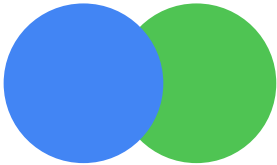
WHAT IF I TOLD YOU

WE CAN DO BETTER

Blue-Green Deployments

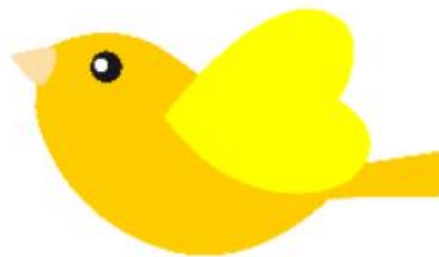


Blue-Green Deployments



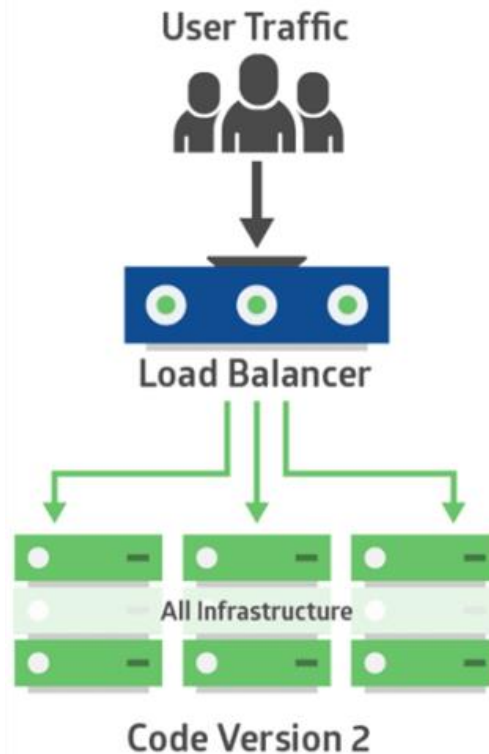
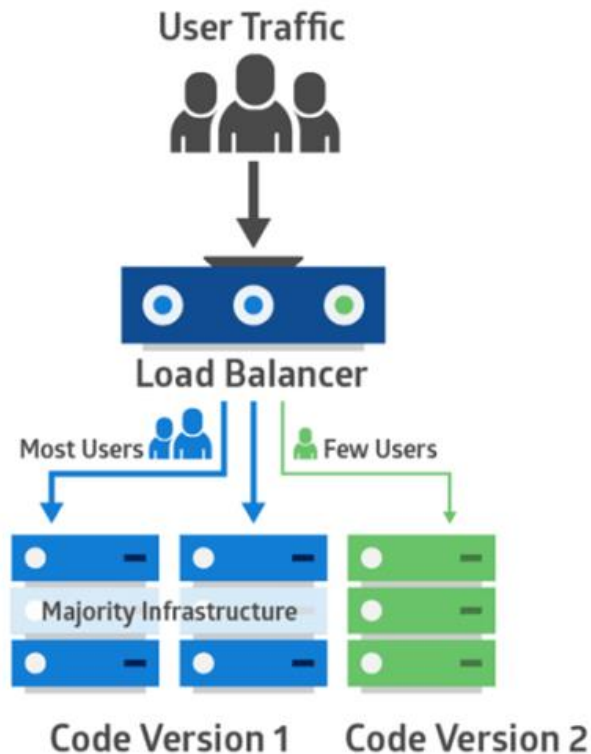
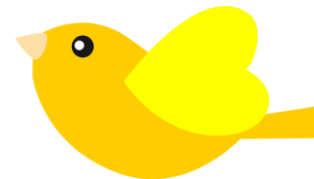


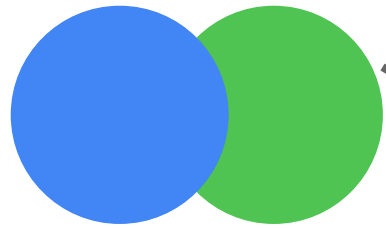
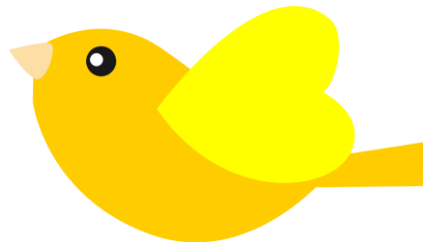
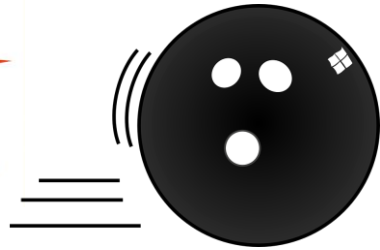
BLUE-GREEN



CANARY

Canary Deployments



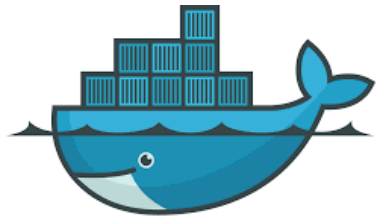


& MORE





CI/CD



docker

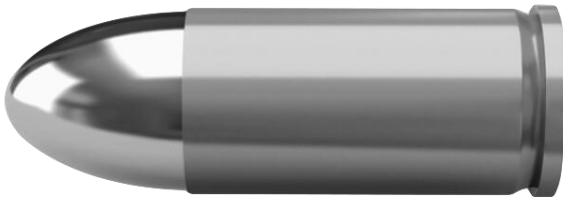
aws



kubernetes



Istio



HashiCorp

Terraform



Azure DevOps