

CI/CD web приложения на Github actions

ШАМИЛЬ ГУМЕРОВ

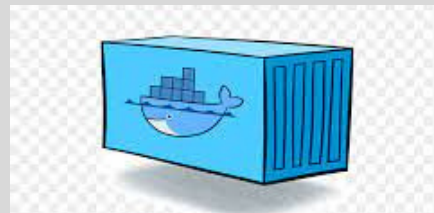
Used infrastructure description

GitHub / GitHub Actions PAAS

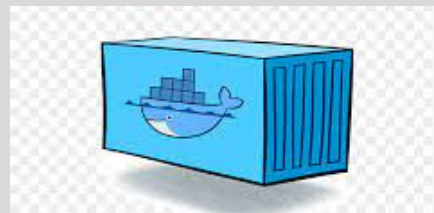
Repository



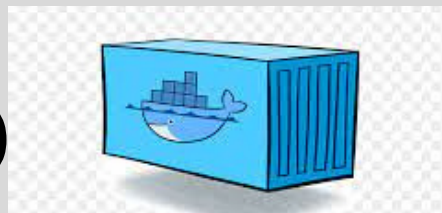
actions called
build server
virtual / container



actions called
test server
virtual / container



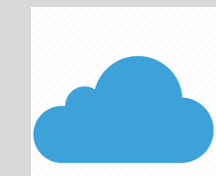
actions called
AWS CLI (deployer)
server
virtual / container



DockerHub SAAS

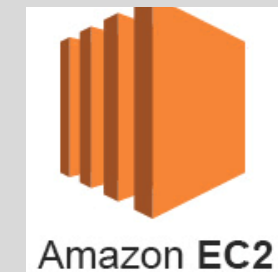


AWS PAAS

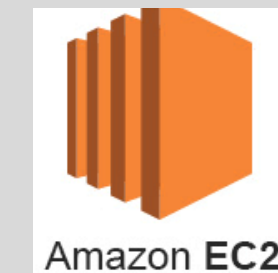


VPC @ eu-central-1

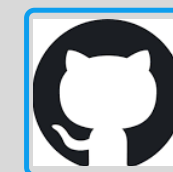
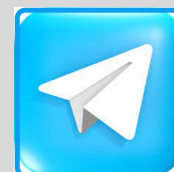
ID: i-0dfeddfbf6b1307



ID: i-0d82503bf53a1cd64



Laptop / mobile (on premise)




client apps / web UI




Push to master

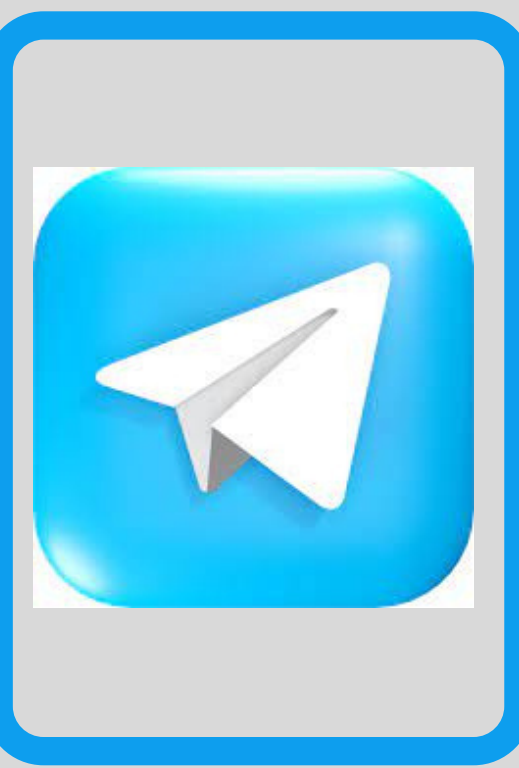
./.github/workflows/*.yml
build with
PyDockerfile & GoDockerfile



test with cURL

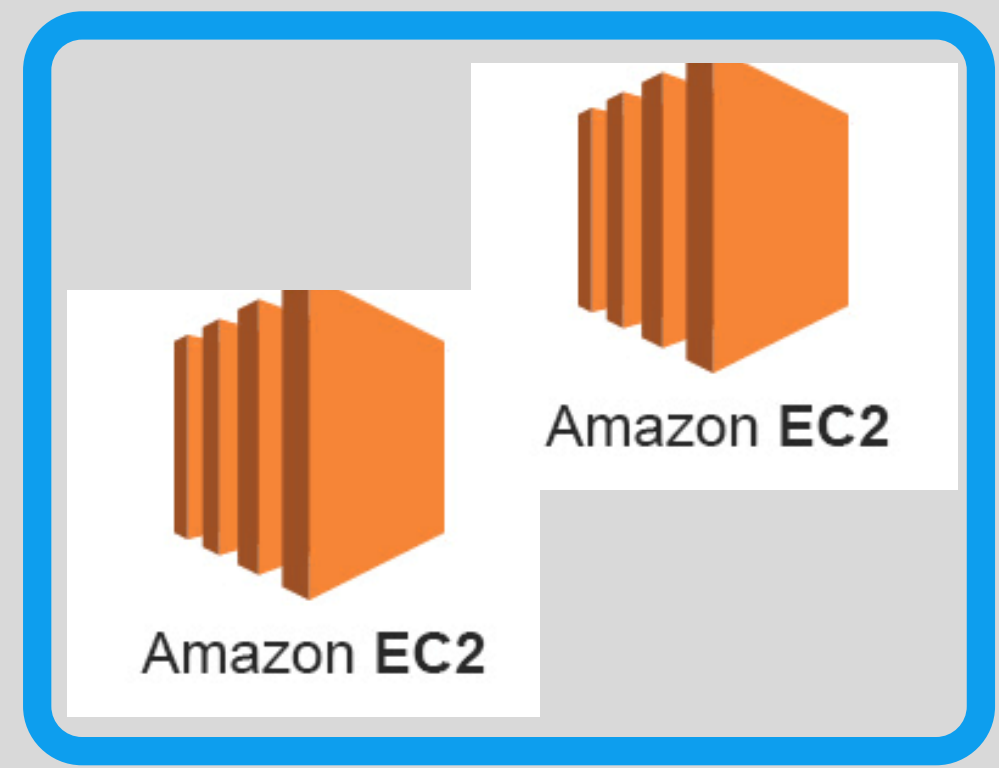


Push & Pull



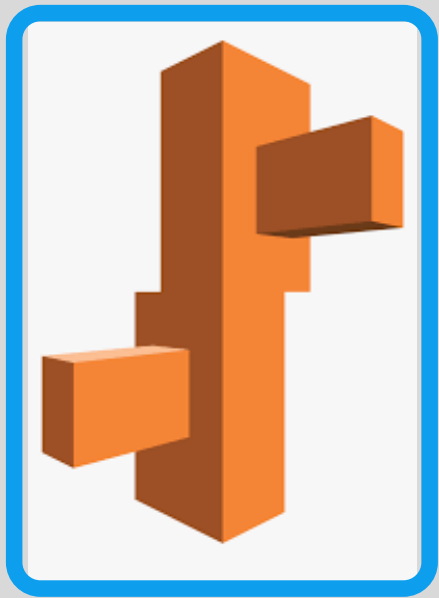
Notify

Deploy





Internet



Elastic Load Balancer



Availability zone B



Amazon EC2

Availability zone A



Amazon EC2



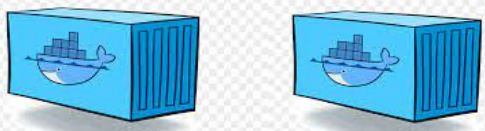
GitHub

./.github/workflows/
development.yml
Static code analysis



push to master

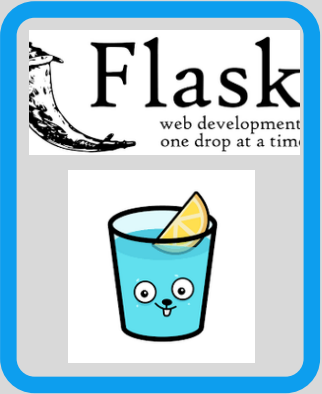
./.github/workflows/
master.yml
build with
PyDockerfile & GoDockerfile



test with cURL

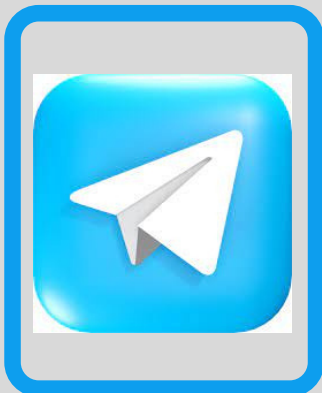


AWS CLI



Flask
web development
one drop at a time

Push to dev



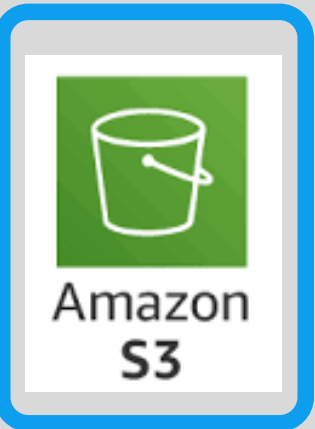
Notify



Amazon CloudWatch

Log ingestion

Preserve logs



Amazon S3

& Pull

Push

Deploy

VPC