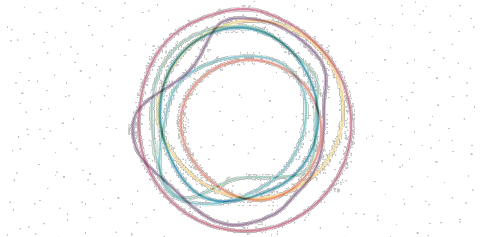




Speaker Invitado
Guillermo Vigil
26-27 | NOV
No te lo pierdas

Registro

<http://kcdgt.com> 



eMPATHY.CO

Self-hosted GitHub Actions runners
Using Kubernetes

AGENDA

GitHub Actions & CI/CD

GitHub Actions Plans

Infrastructure

GitHub Actions Runner Controller

Alternative - Runner Operator

Demo

Conclusions

GitHub Actions & CI/CD

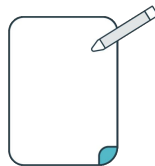


GitHub Actions & CI/CD

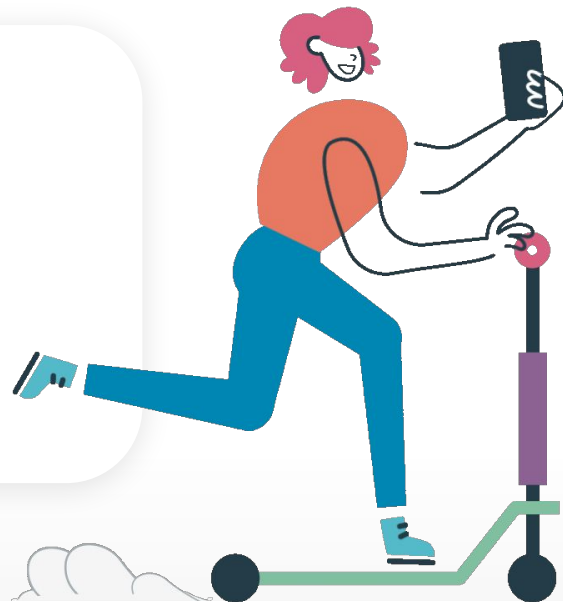
Continuous Deployment



DEPLOYMENT



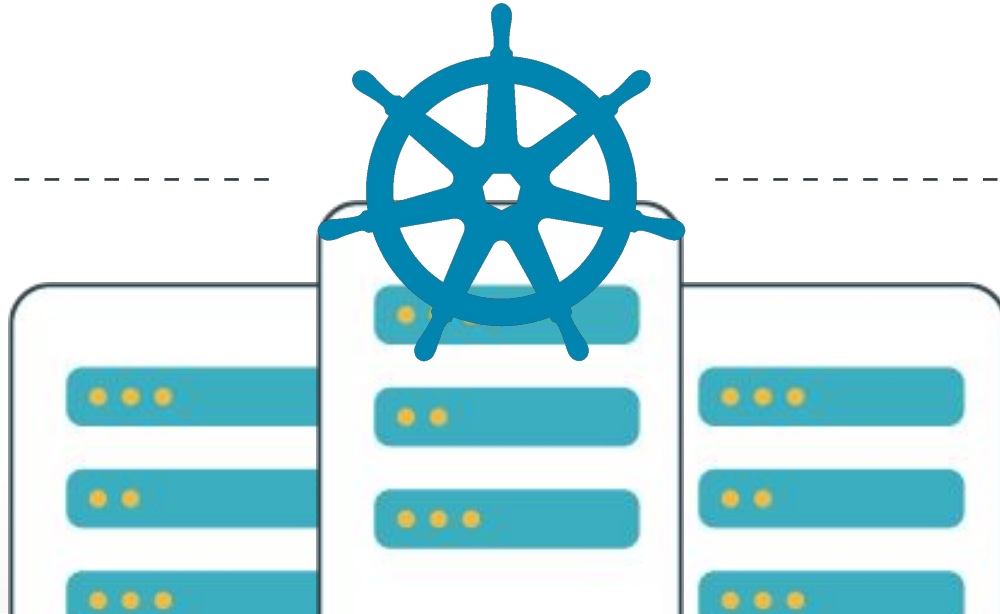
A/B TESTING



GitHub Actions plans

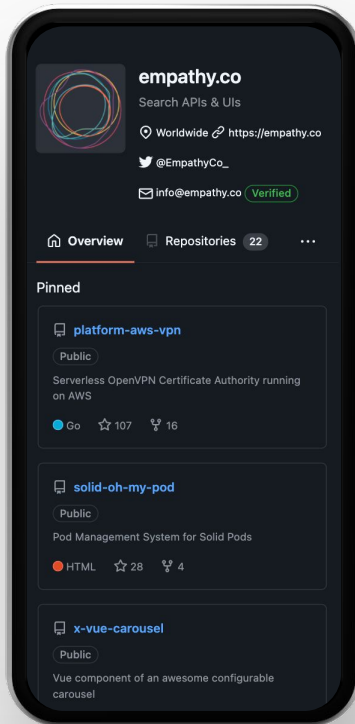
TYPE OF REPO	Personal	Organization	Minutes/Month
Public repositories	All plans	All plans	Infinite
Private repositories	Free plan	Free plan	2,000
Private repositories	Pro plan	Team plan	3,000
Private repositories	-	Enterprise plan	50,000

Infrastructure



GitHub Actions

RUNNER CONTROLLER



```
helm repo add jetstack  
https://charts.jetstack.io
```

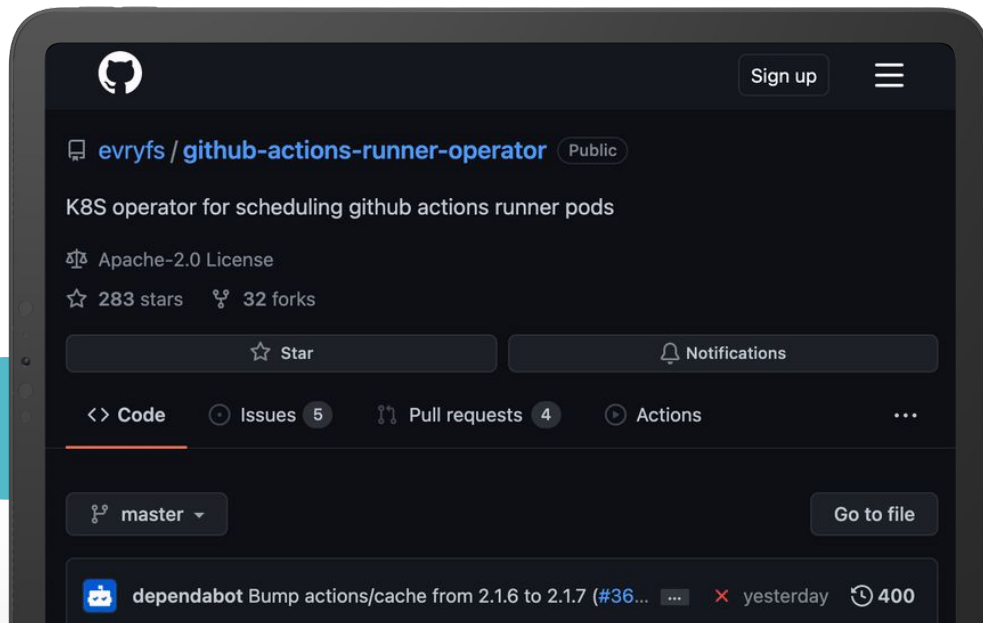
```
helm upgrade --install \  
cert-manager jetstack/cert-manager \  
--namespace cert-manager \  
--create-namespace \  
--version v1.6.1 \  
--set installCRDs=true
```

```
helm repo add actions-runner-controller \  
https://actions-runner-controller.github.io/actions-runner-controller
```

```
helm upgrade --install \  
actions-runner-controller \  
actions-runner-controller/actions-runner-  
controller \  
--namespace actions-runner-system \  
--create-namespace \  
--set authSecret.create=true \  
--set authSecret.github_token=<TOKEN>
```


Alternative

RUNNER OPERATOR



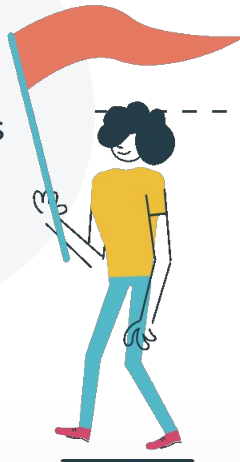
Pros

RUNNER CONTROLLER

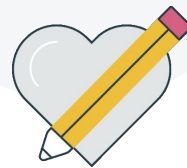
AUTOSCALE RUNNERS
BASED ON NUMBER OF
PENDING/PROGRESSING
JOBS



GRACEFULLY
STOP RUNNERS



ARM SUPPORT

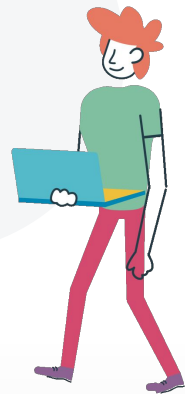


Pros

RUNNER OPERATOR

NO CERT-MANAGER
NEEDED

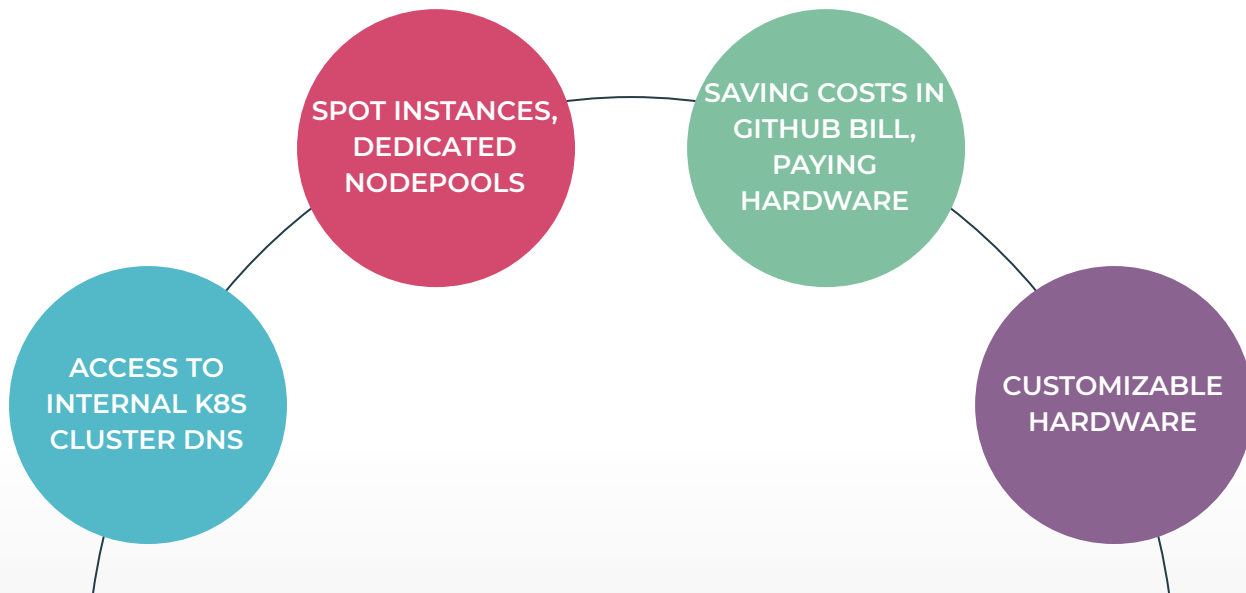
SIMPLER



DEMO



Conclusions





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