



@badtux_



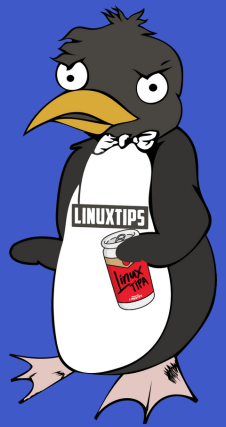
/linuxtips

DESCOMPLICANDO O KUBERNETES

Jeferson Fernando

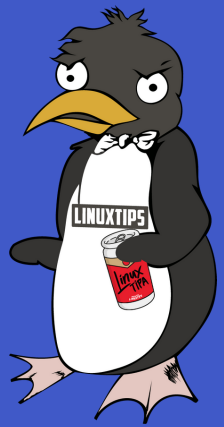


SLIDES E EXEMPLOS UTILIZADOS:
[HTTPS://GITHUB.COM/BADTUXX/TALKS](https://github.com/badtuxx/talks)

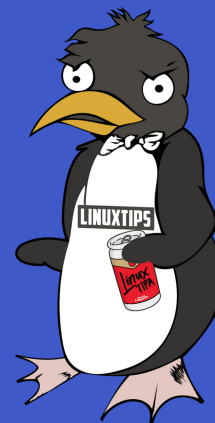




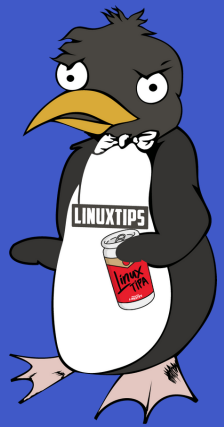
**WHAT'S PORRA
IS IT?**



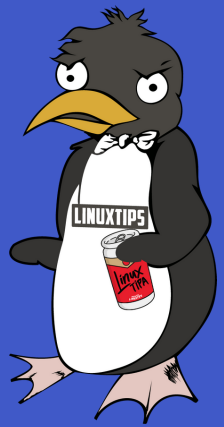
BASICS CONCEPTS



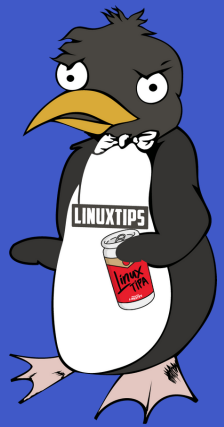
KUBECTL



KUBEADM



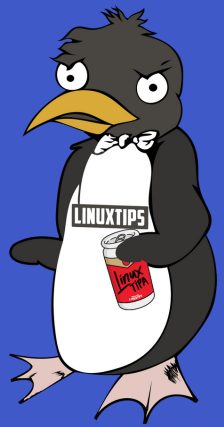
KUBELET



API



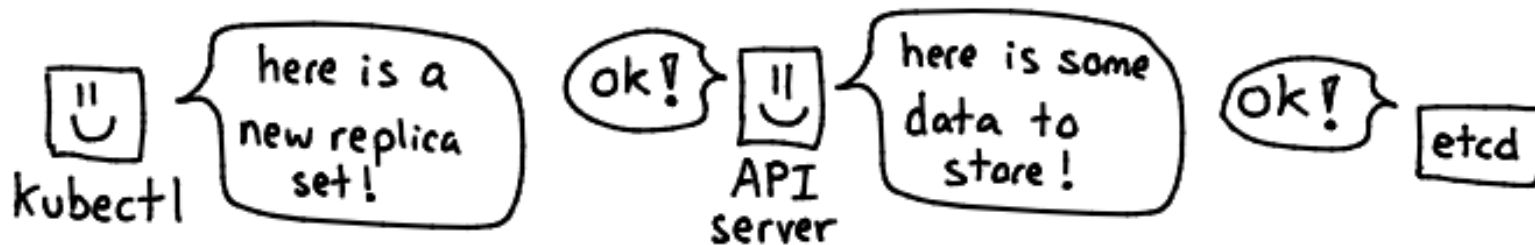
ETCD



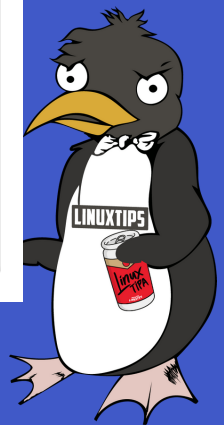
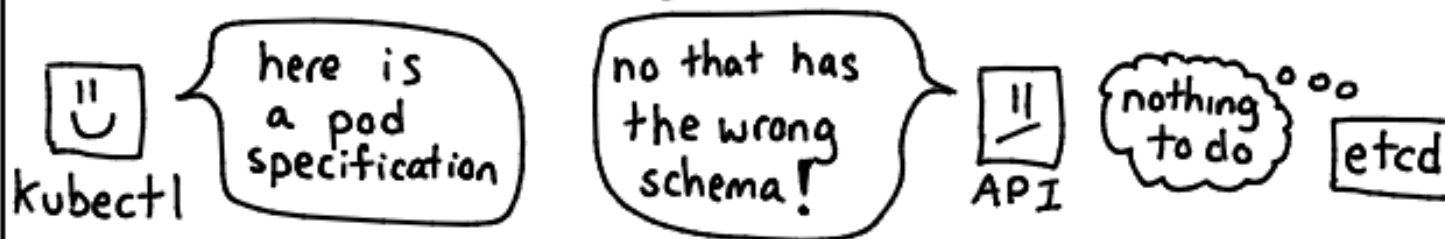
putting something in etcd

JULIA EVANS @b0rk

when it works:



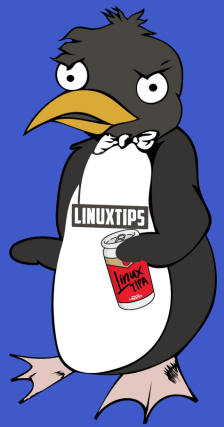
when you make a configuration error:



MASTER



NODE



adding a new node

JULIA EVANS @b0rk

☺
kubelet
E

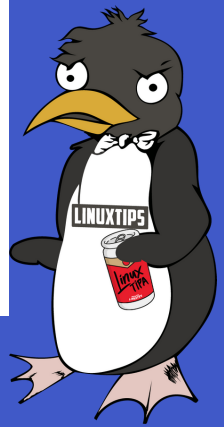
hi I'm a new
node

etcd /
API server
node A
node B
⋮
node E

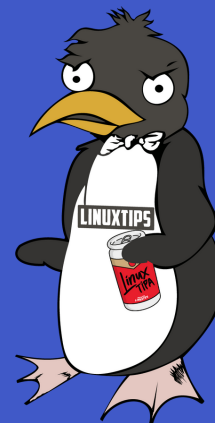
new

great! I'll
store that &
later the scheduler
may assign pods
to you

☺
API server /
etcd



POD

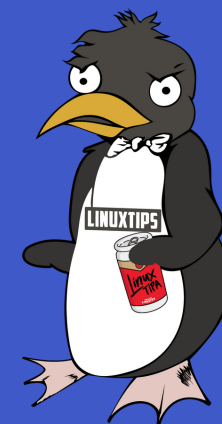


scheduling a pod

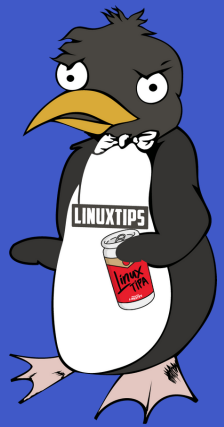
```
$kubectl apply -f my-pod-defn.yaml
```



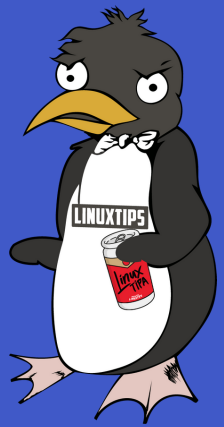
<https://jvns.ca/blog/2017/06/04/learning-about-kubernetes/>



REPLICA SET

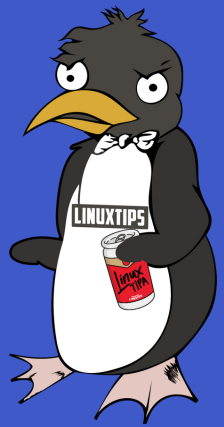
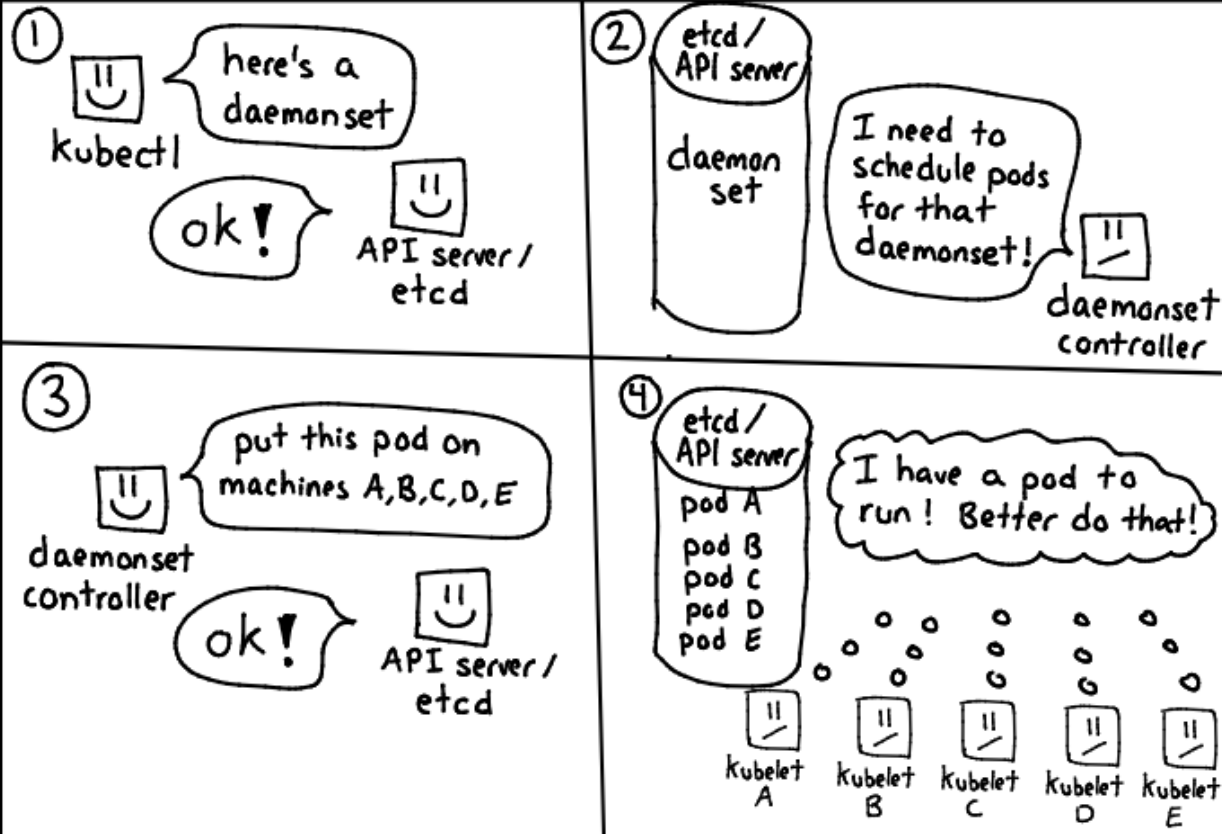


DAEMON SET

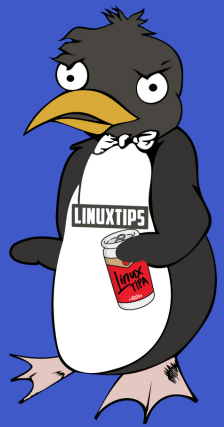


scheduling a daemonset

```
$kubectl apply -f my-daemonset.yaml
```



DEPLOYMENT

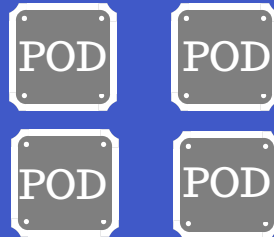


DEPLOYMENT

REPLICA SET V1



REPLICA SET V2



REPLICA SET V3



DEPLOYMENT

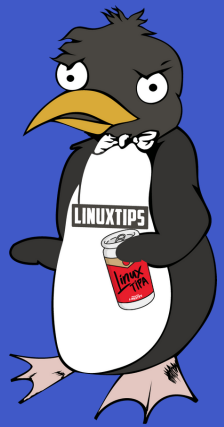
REPLICA SET
V1



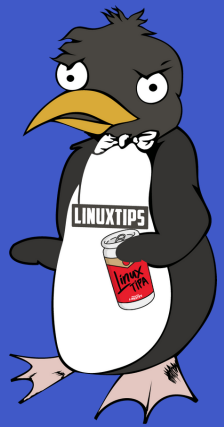
REPLICA SET
V2



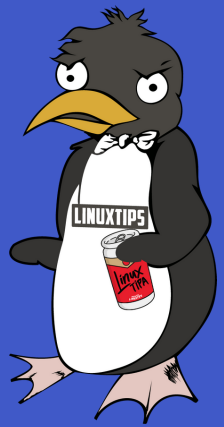
REPLICA SET
V3

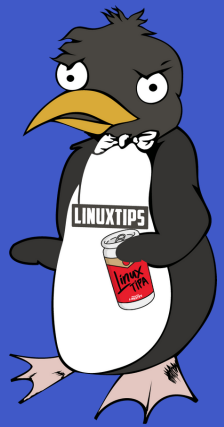
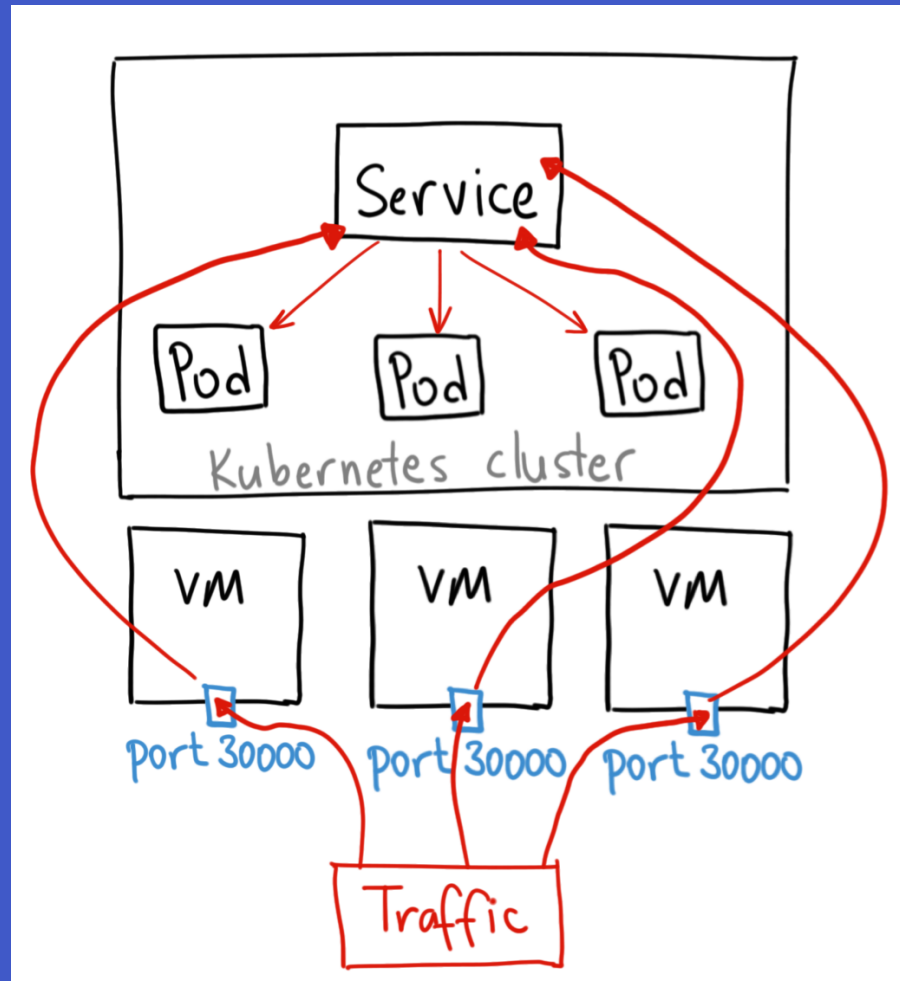


POD NETWORKING

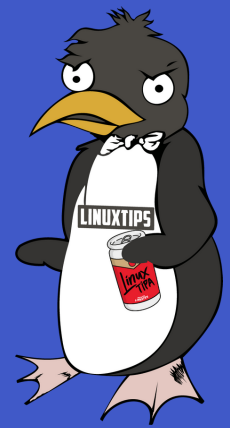
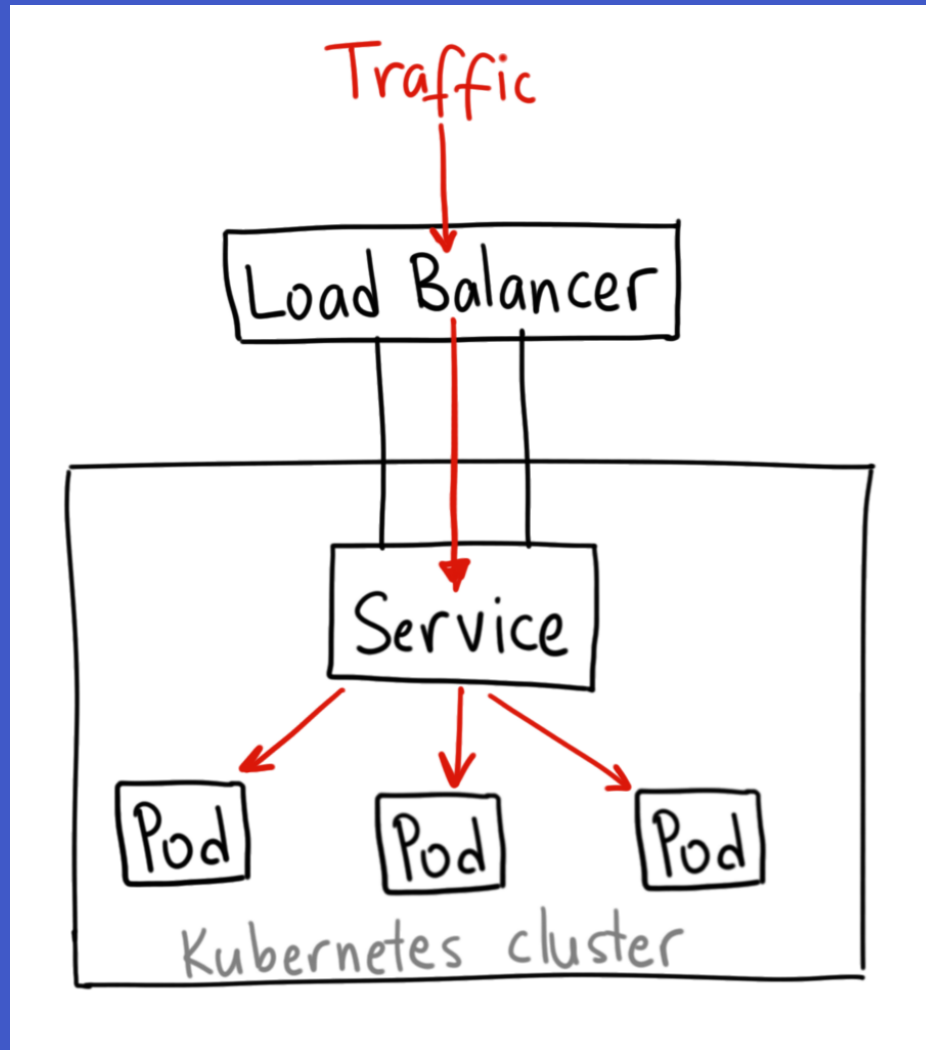


SERVICES



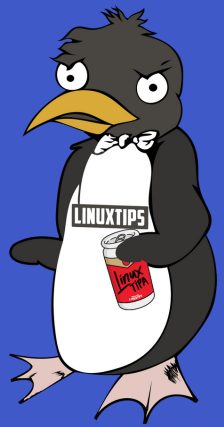


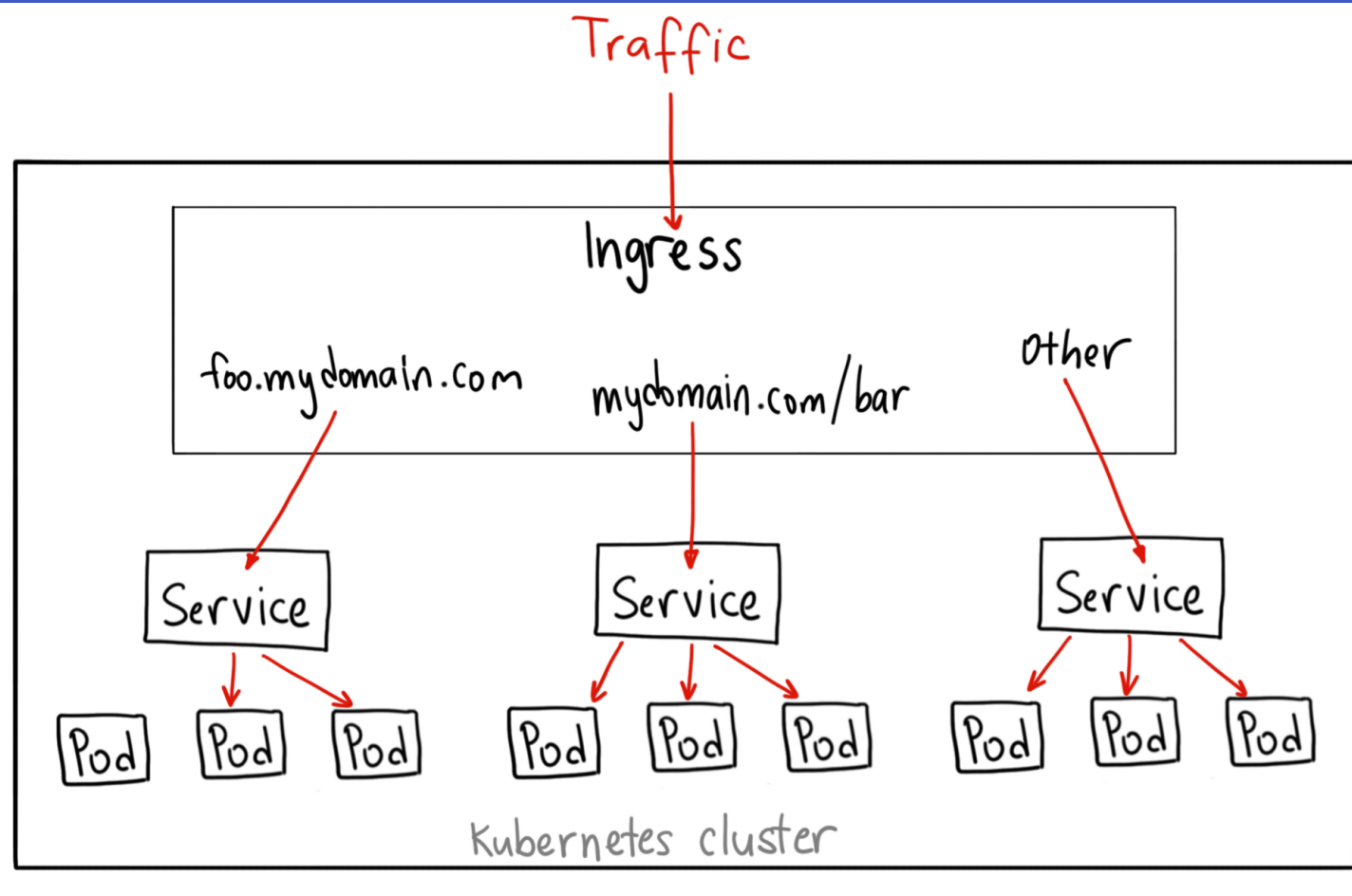
<https://medium.com/google-cloud/kubernetes-nodeport-vs-loadbalancer-vs-ingress-when-should-i-use-what-922f010849eo>



<https://medium.com/google-cloud/kubernetes-nodeport-vs-loadbalancer-vs-ingress-when-should-i-use-what-922f010849e0>

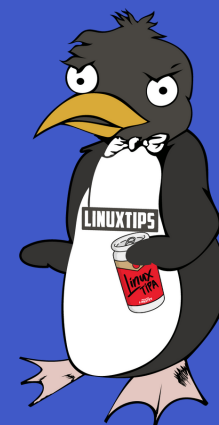
INGRESS



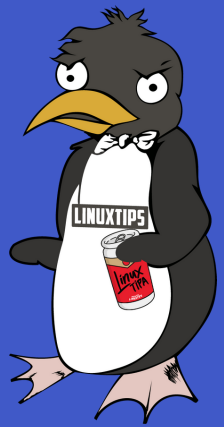


<https://medium.com/google-cloud/kubernetes-nodeport-vs-loadbalancer-vs-ingress-when-should-i-use-what-922f010849eo>

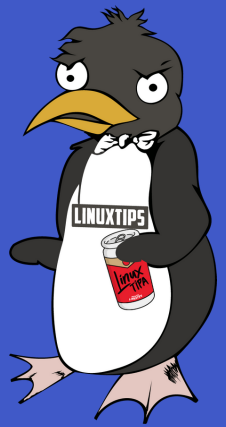
SECRETS



CONFIG MAPS



DEMO

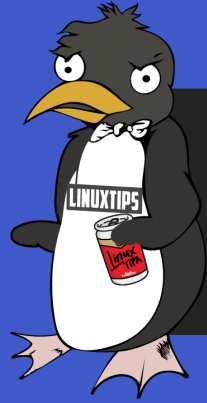




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OBRIGADO!

#LINUXTIPS #VAIIII