# Is it time to put your pet Kubernetes down?

# **Chris Nesbitt-Smith**

UK Gov | esynergy | Control Plane | LearnK8s | lots of open source



# Hello



#### **Chris Nesbitt-Smith**

- Learnk8s & Control Plane Instructor + Consultant
- esynergy Digital Transformation Consultant
- Crown Prosecution Service (UK gov) - Consultant
- Opensource



# **Reminder what is Pets vs Cattle?**





# The before times















"duh, we're doing Kubernetes"





### **Kubernetes: Nodes (naming)**

\$ kubectl get nodes				
NAME	STATUS	ROLES	AGE	VERSION
ip-10-170-7-102.eu-west-2.compute.internal	Ready	<none></none>	24h	v1.21.5-eks-9017834
ip-10-170-7-99.eu-west-2.compute.internal	Ready	<none></none>	24h	v1.21.5-eks-9017834



### Kubernetes: Pods (naming)

<pre>\$ kubectl get pods</pre>	-A				
NAMESPACE	NAME	READY	STATUS	RESTARTS	AGE
cert-manager	cert-manager-6d99c7965c-c9q92	1/1	Running	0	24h
cert-manager	cert-manager-cainjector-748dc889c5-ljv8c	1/1	Running	0	24h
cert-manager	cert-manager-webhook-5b679f47d6-wnt2f	1/1	Running	0	24h
kube-system	aws-node-7b7q4	1/1	Running	0	24h
kube-system	aws-node-vwr5m	1/1	Running	0	24h
kube-system	calico-node-jfndm	1/1	Running	0	24h
kube-system	calico-node-zhzsf	1/1	Running	0	24h
kube-system	calico-typha-7dd5d4b984-p52gx	1/1	Running	0	24h
kube-system	calico-typha-horizontal-autoscaler-767b5c958c-w6pjt	1/1	Running	0	24h
kube-system	cluster-autoscaler-6c8dc687c6-pts7q	1/1	Running	1	24h
kube-system	coredns-65ccb76b7c-8pqj6	1/1	Running	0	24h
kube-system	coredns-65ccb76b7c-dd48d	1/1	Running	0	24h
kube-system	kube-proxy-5vqz2	1/1	Running	0	24h
kube-system	kube-proxy-zlh5k	1/1	Running	0	24h
kube-system	metrics-server-97777f66-mvr56	1/1	Running	0	24h
nginx-ingress	ingress-controller-5b47bfdf66-c2xj8	1/1	Running	0	24h
nginx-ingress	ingress-controller-5b47bfdf66-g94xw	1/1	Running	0	24h
external-dns	external-dns-689dc89999-s6mjz	1/1	Running	0	24h



livenessProbe:
httpGet:
 path: /healthz
port: http









# Don't look UP!

# eksctl create cluster

#### ...now what?







helm install cert-manager jetstack/cert-manager helm install external-dns external-dns/external-dns helm install nginx-ingress nginx-stable/nginx-ingress helm install istiod istio/istiod etc

# **S0**?





### Well

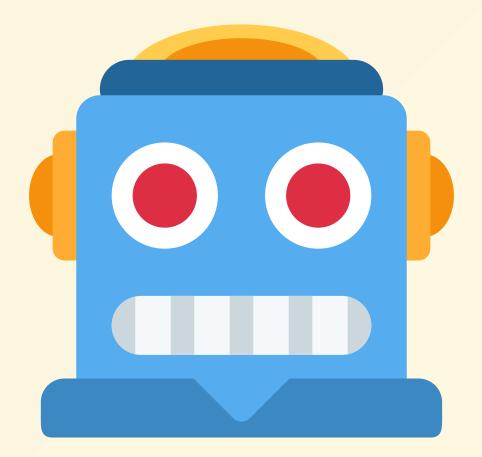
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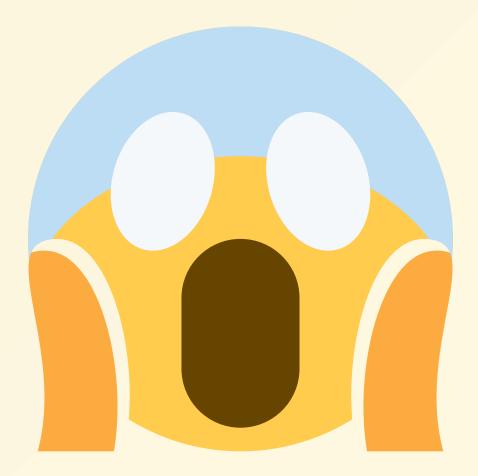
## Well

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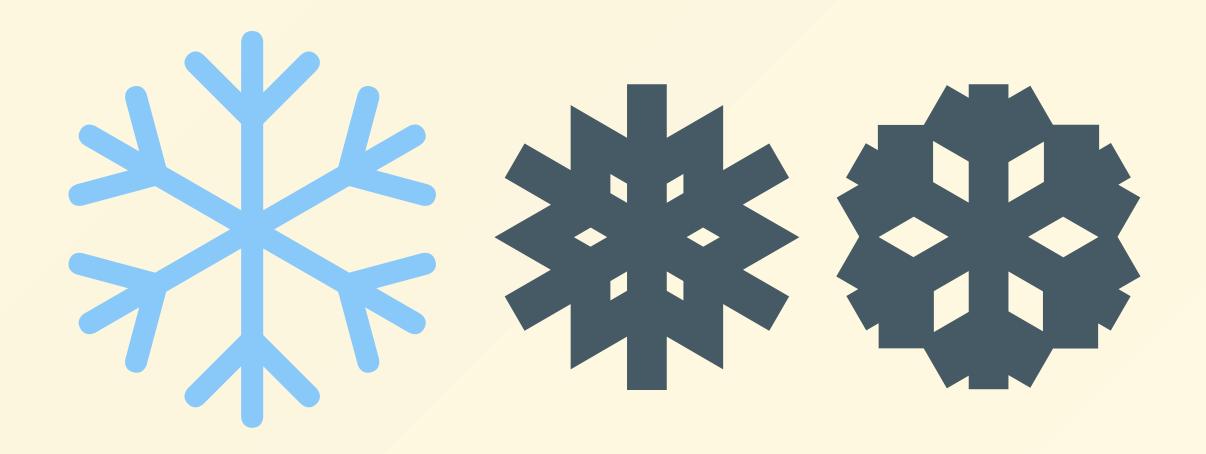




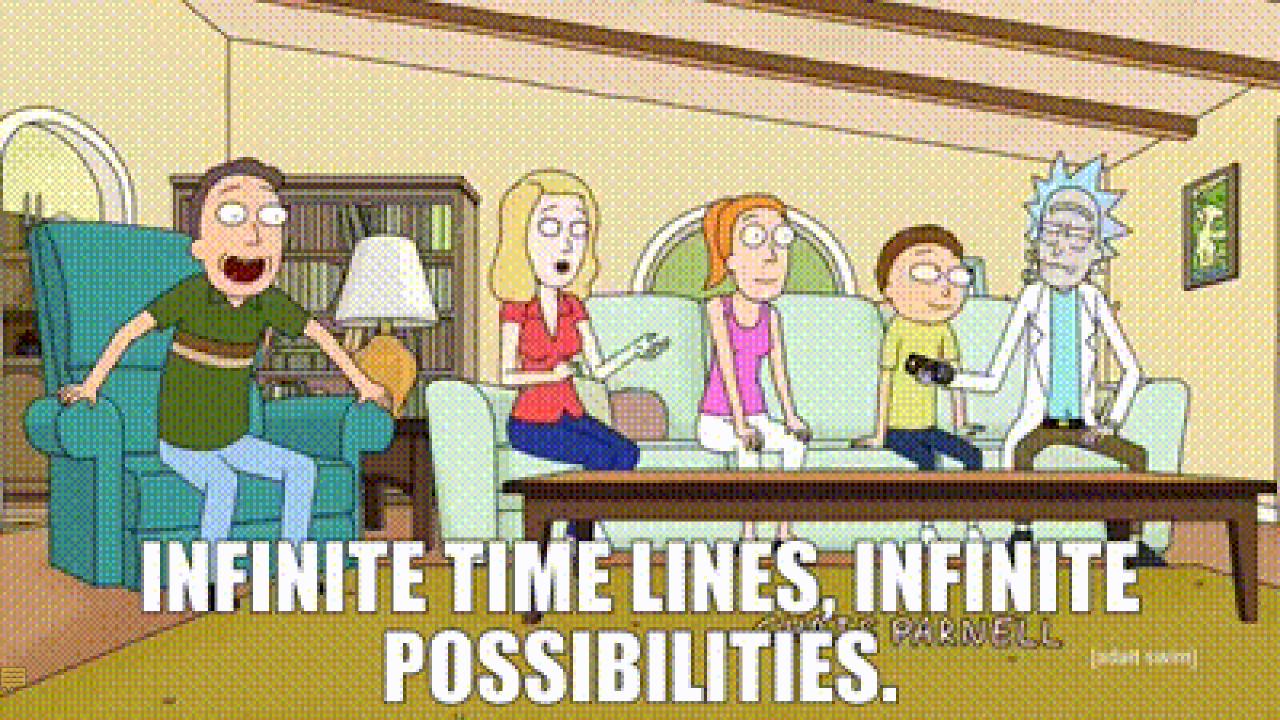


















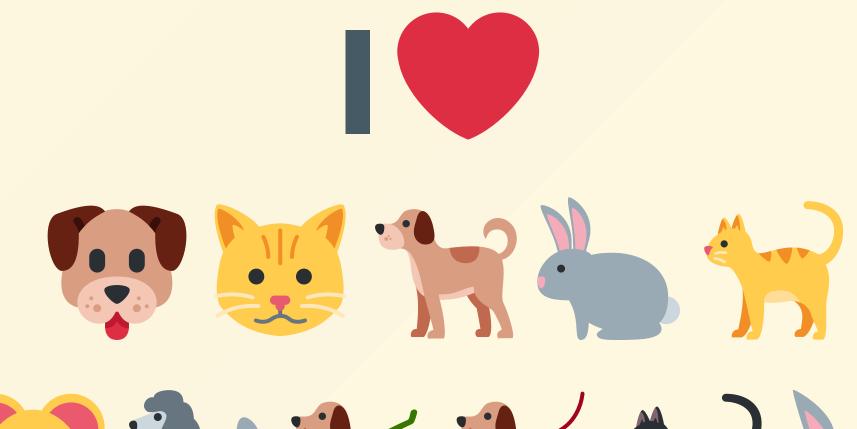
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WANTED: Someone to go back in time with me. This is not a joke. P.O.Box 1004-1557-4th Avenue. Prince George, BC, V2L 3K1. You'll get paid after we get back. Must bring your own weapons. Safety not guaranteed. I have only done this once before.

ATT I ATTAINMETTER



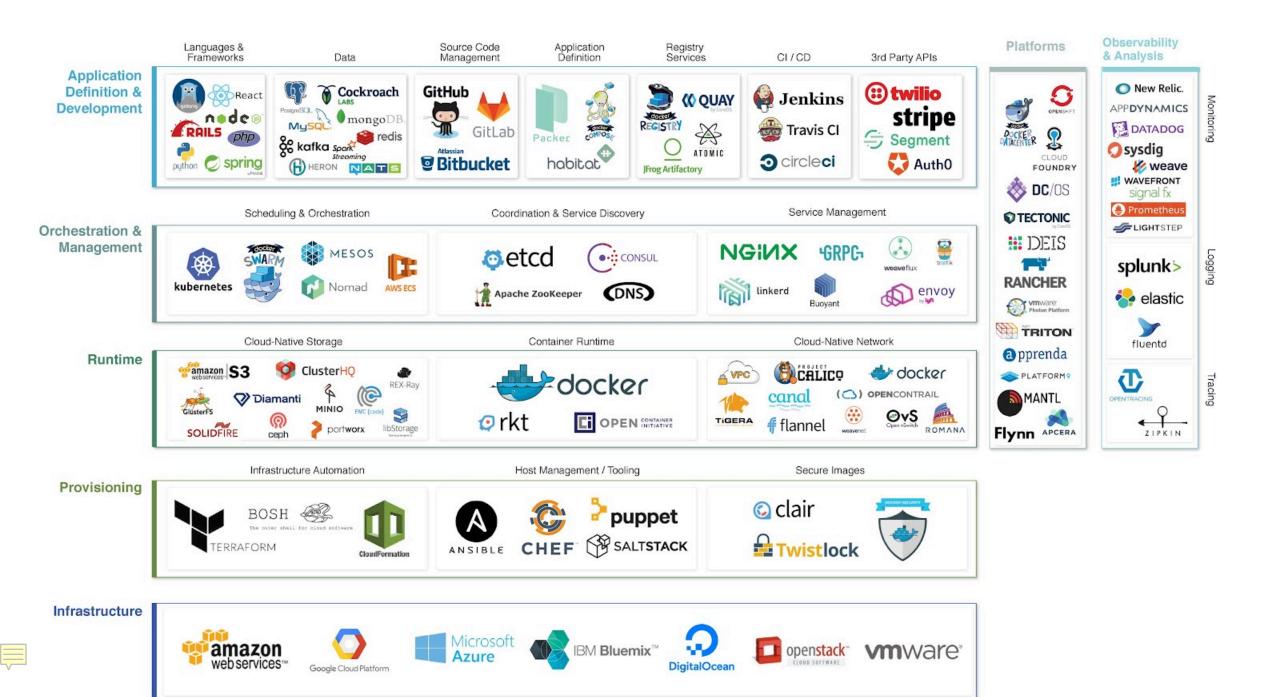


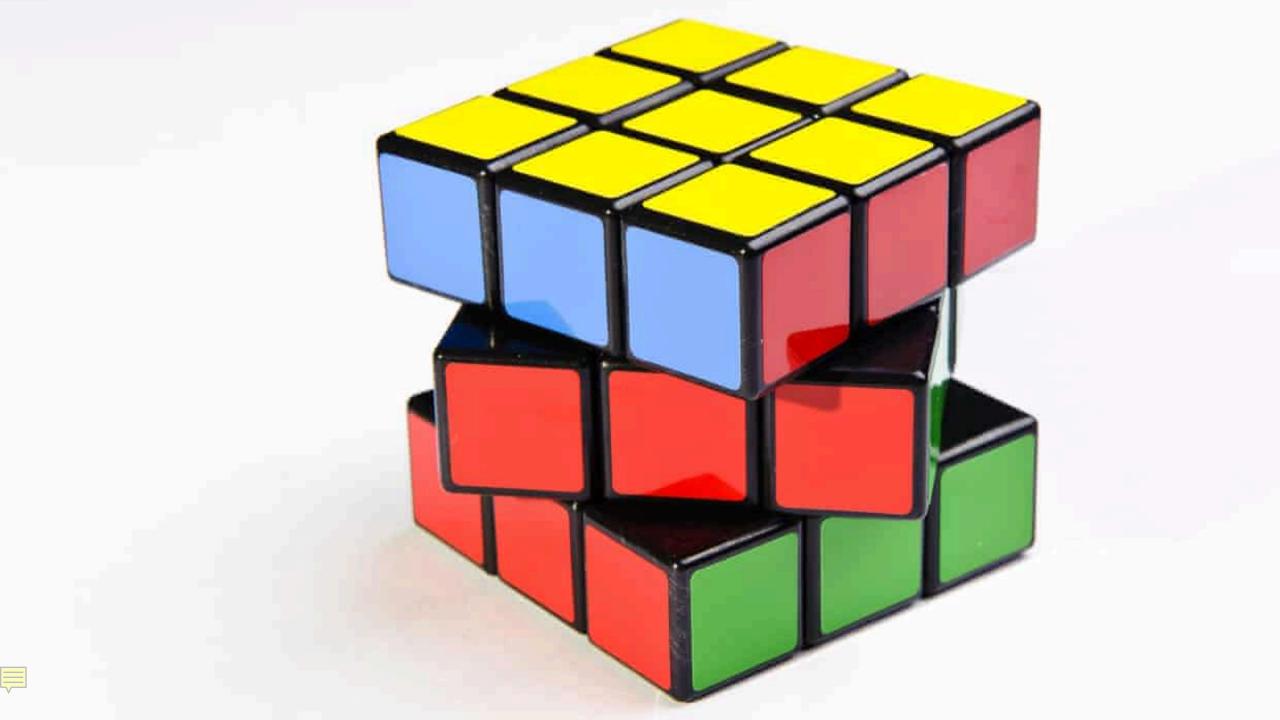




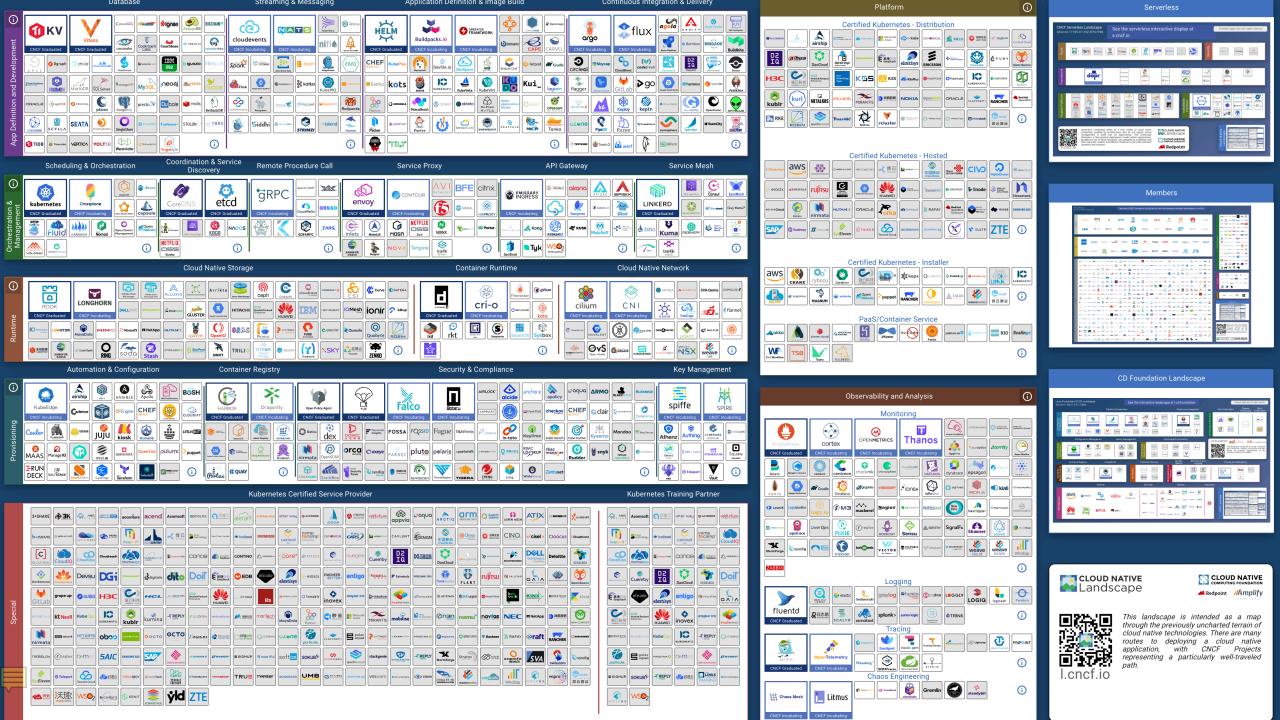


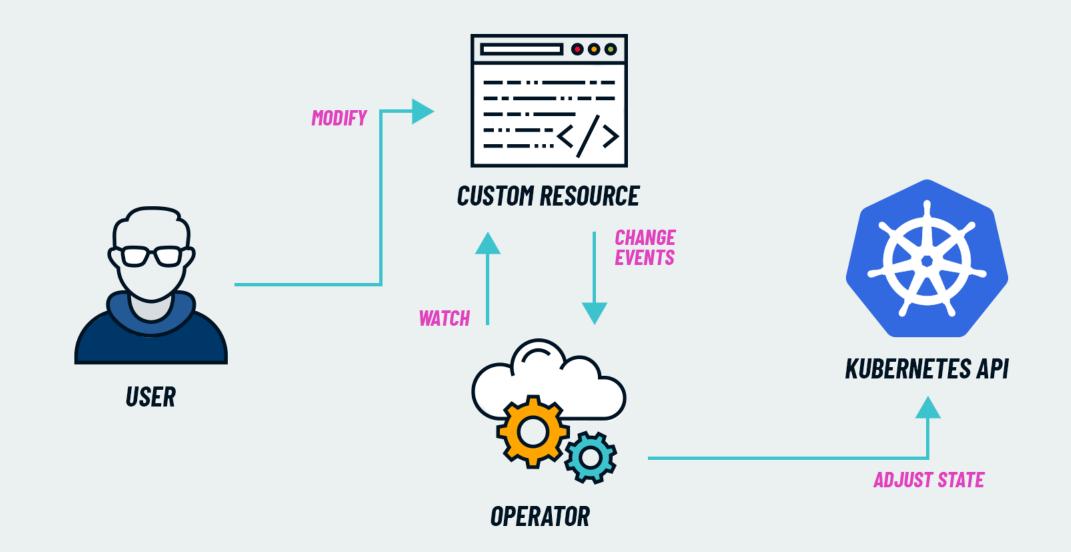




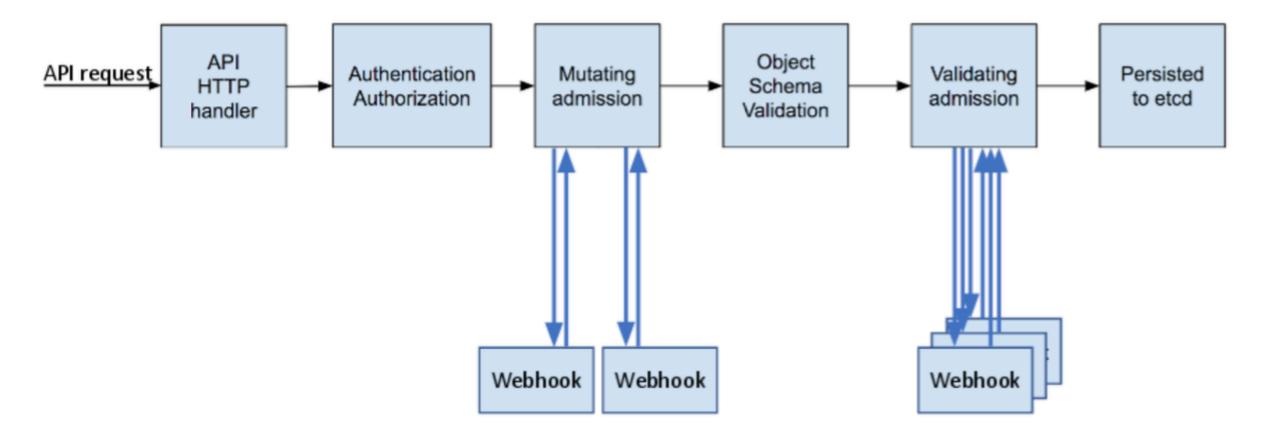








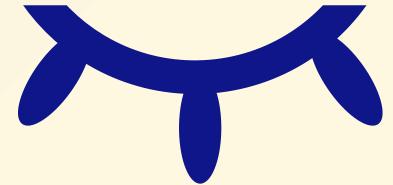


















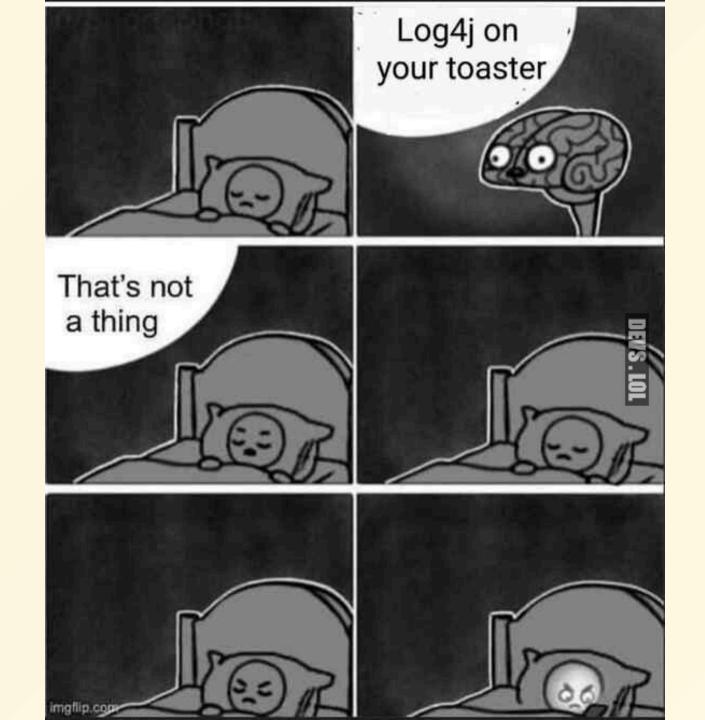




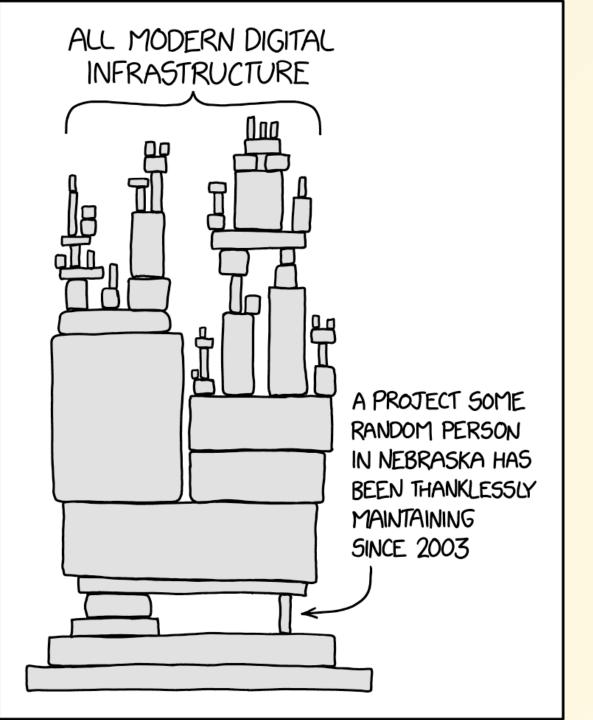






























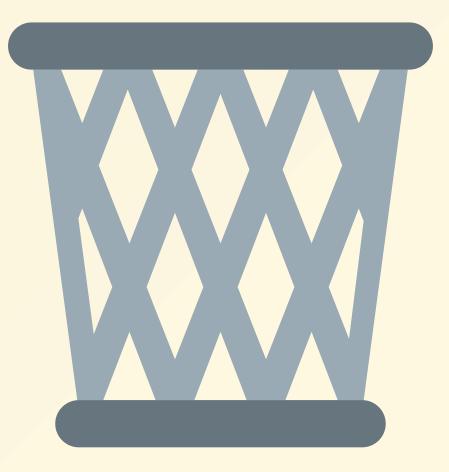












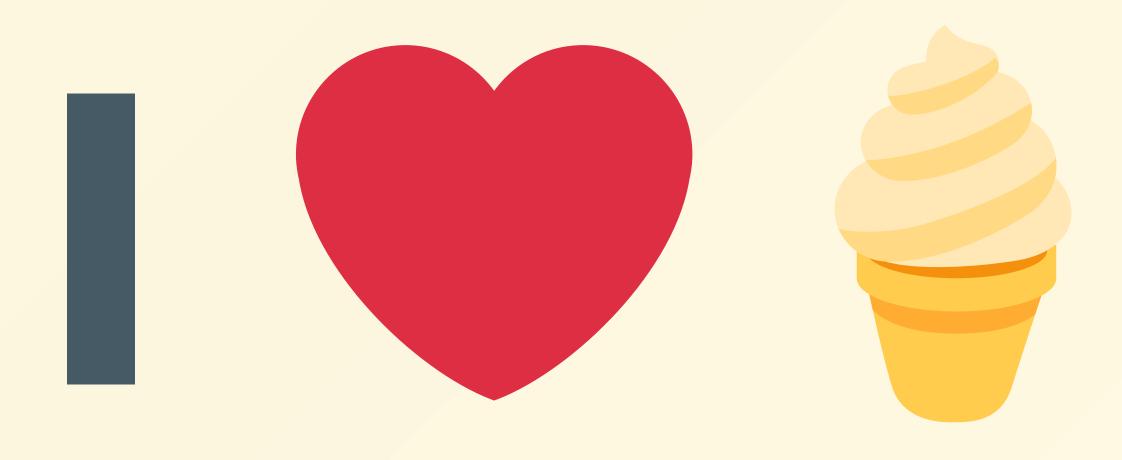




















# Keep It Stupid Simple

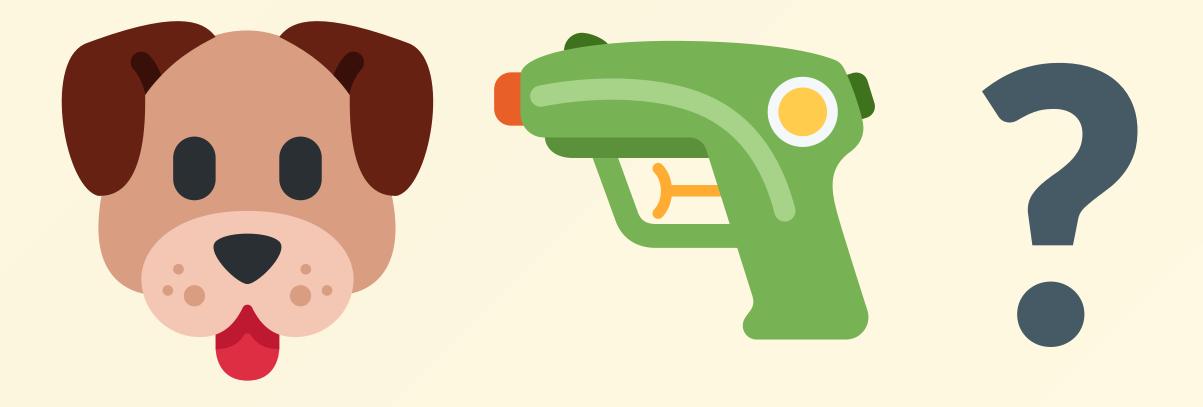
# Keep It Simple, Stupid





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### J Thanks 🙏

- cns.me
- talks.cns.me
- github.com/chrisns
- learnk8s.io
- esynergy.co.uk
- controlplane.io

#### **Chris Nesbitt-Smith**



