Is it time to put your pet Kubernetes down?

Chris Nesbitt-Smith | Graeme Colman

@appvia_io

⬇️ Ask a question! ↙️

Hello

Reminder what is Pets vs Cattle?

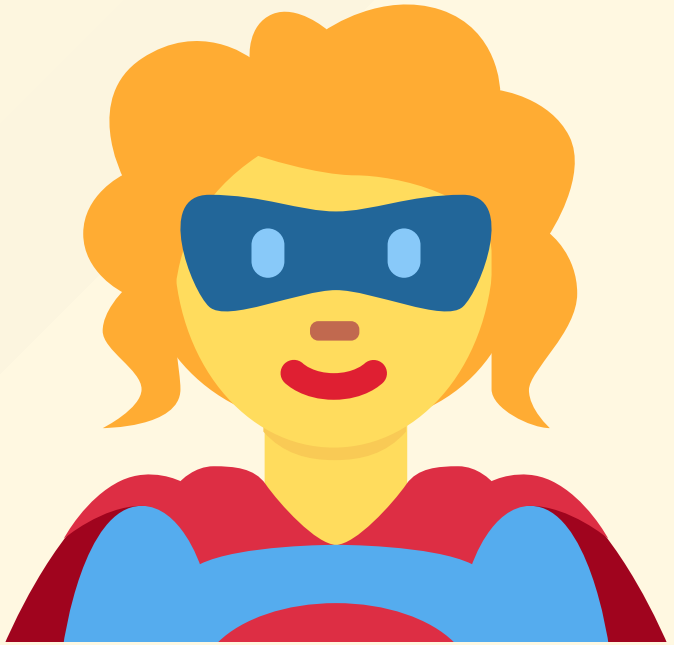
The before times ⏳

HELLO
MY NAME IS
Bob

2022(?)

Kubernetes

"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>   24h   v1.21.5-eks-9017834
ip-10-170-7-99.eu-west-2.compute.internal     Ready    <none>   24h   v1.21.5-eks-9017834
```

Kubernetes: Pods (naming)

```
$ kubectl get pods -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-977777f66-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
```

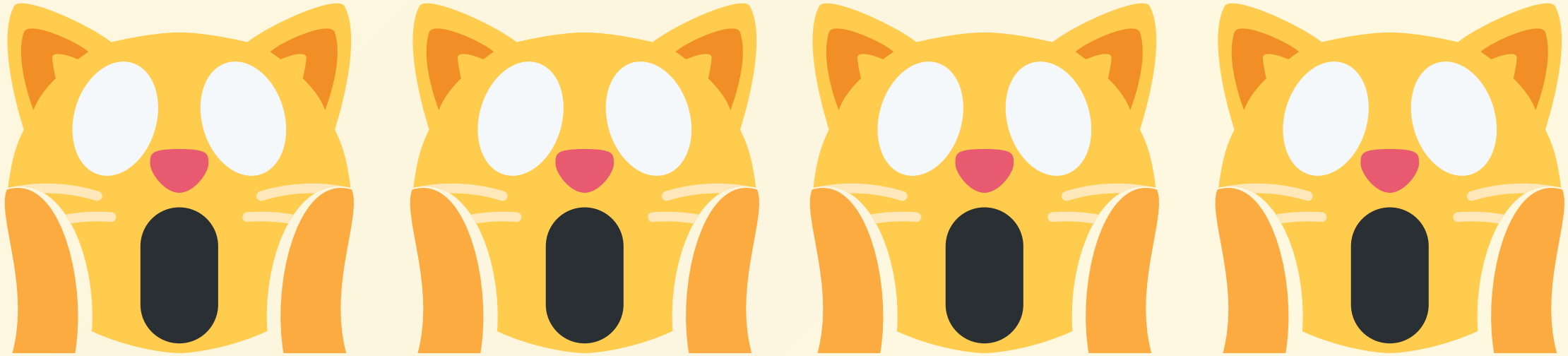
Kubernetes: Pods (checks)

```
livenessProbe:
  httpGet:
    path: /healthz
    port: http
```

Don't look

```
eksctl create cluster \
 --name my-cluster \
 --version 1.21 \
 --without-nodegroup
```

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
```

So?

Well

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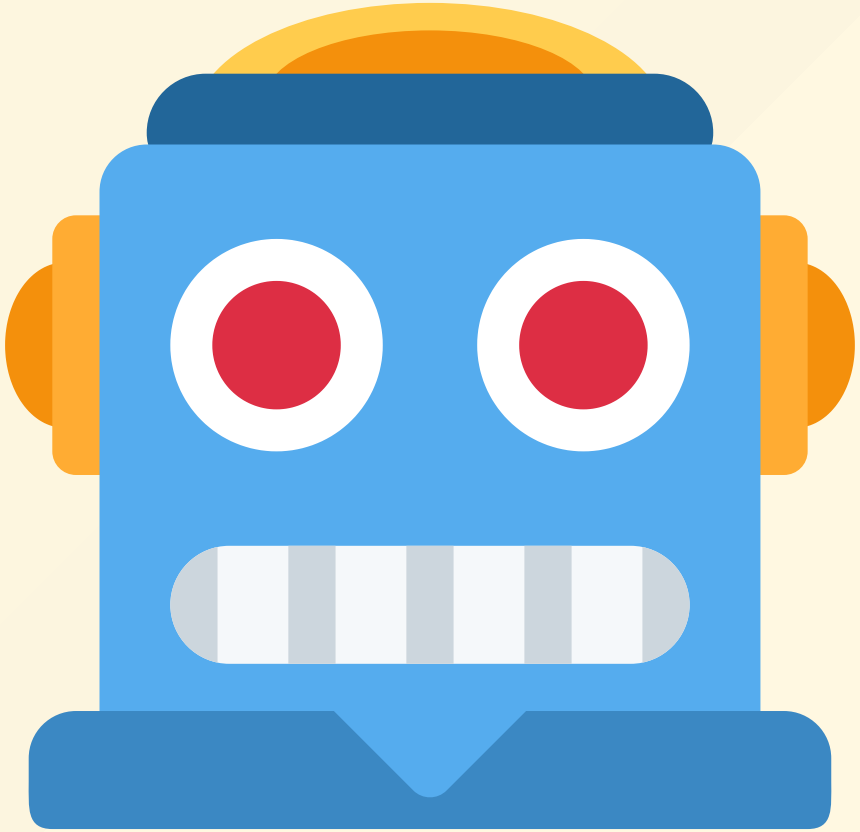
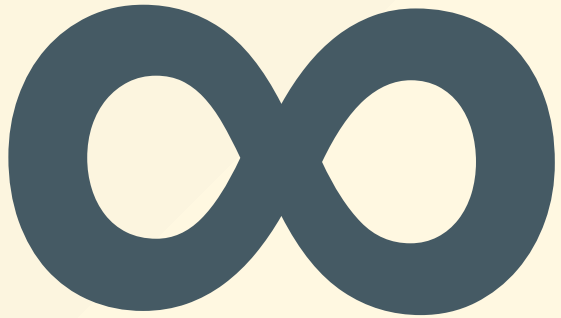
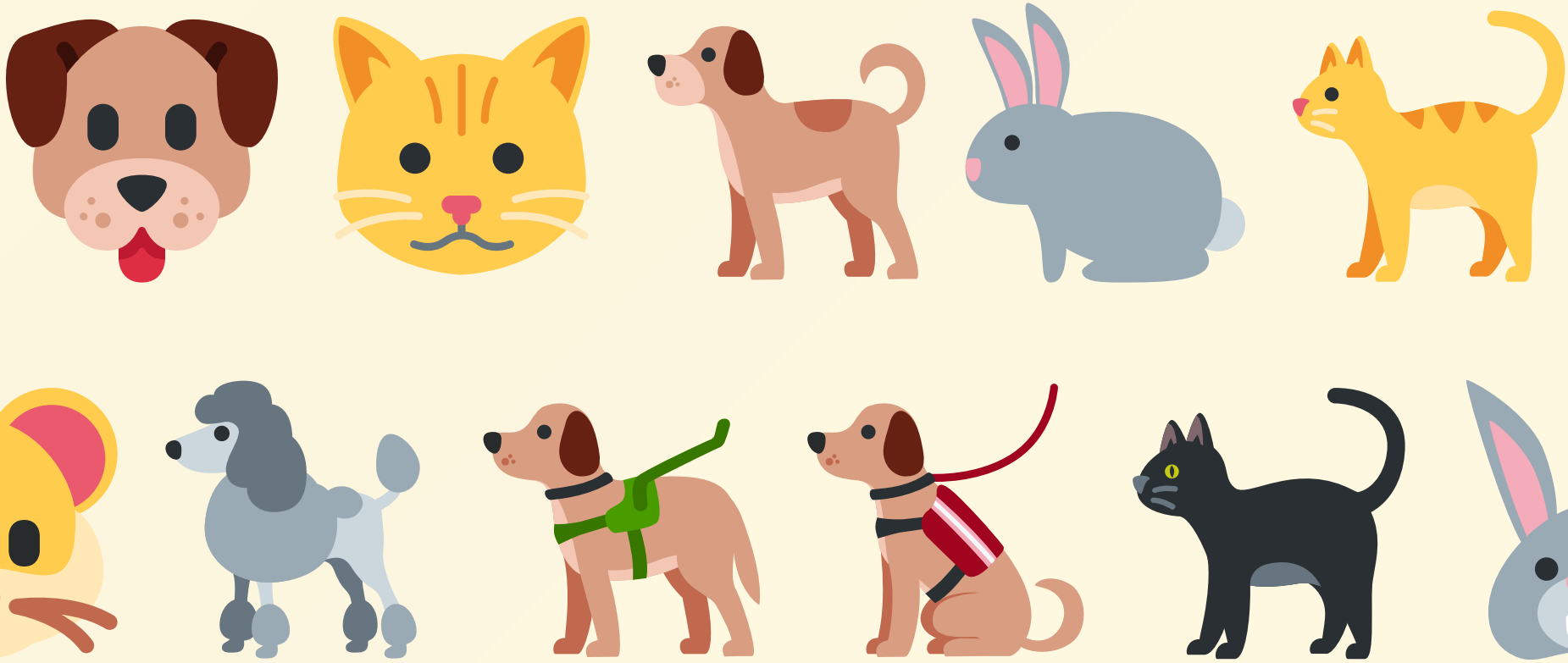
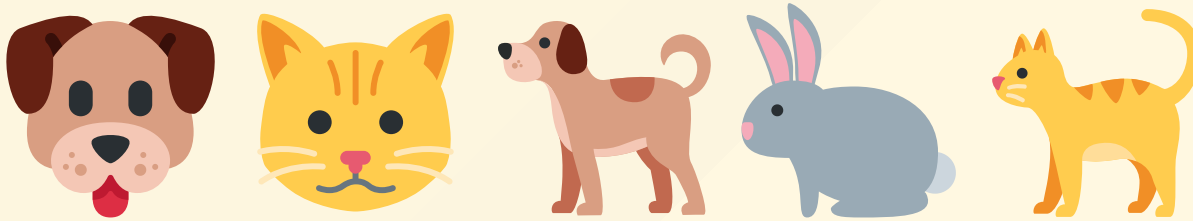
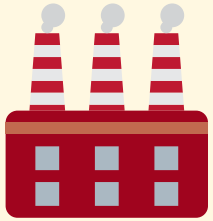


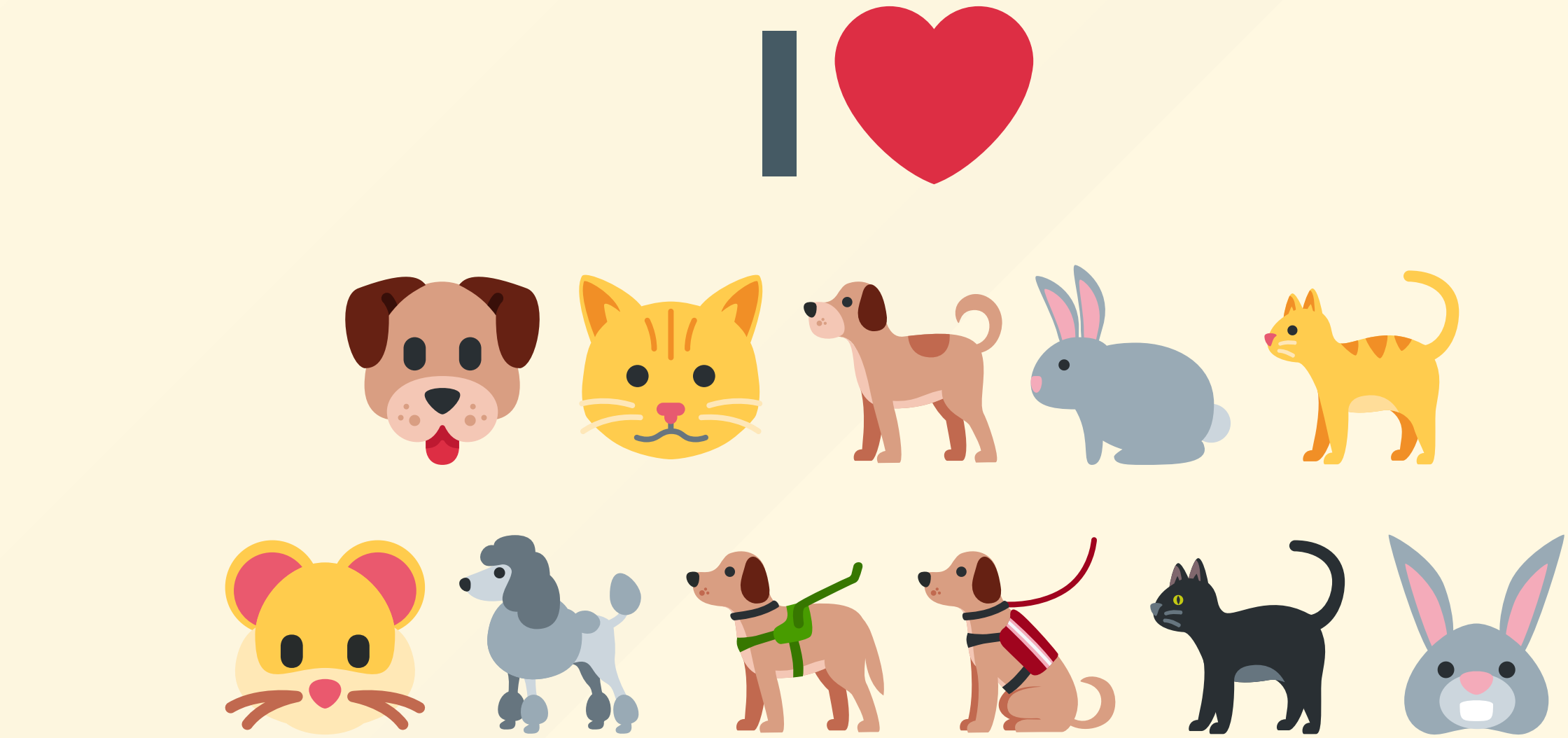
Day 2

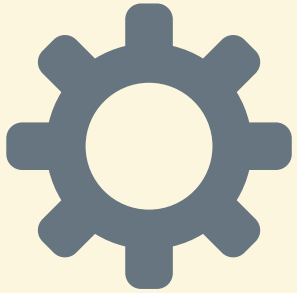


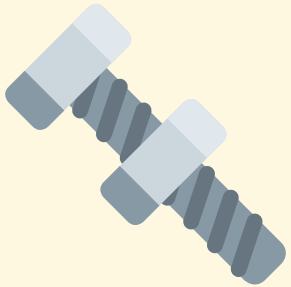












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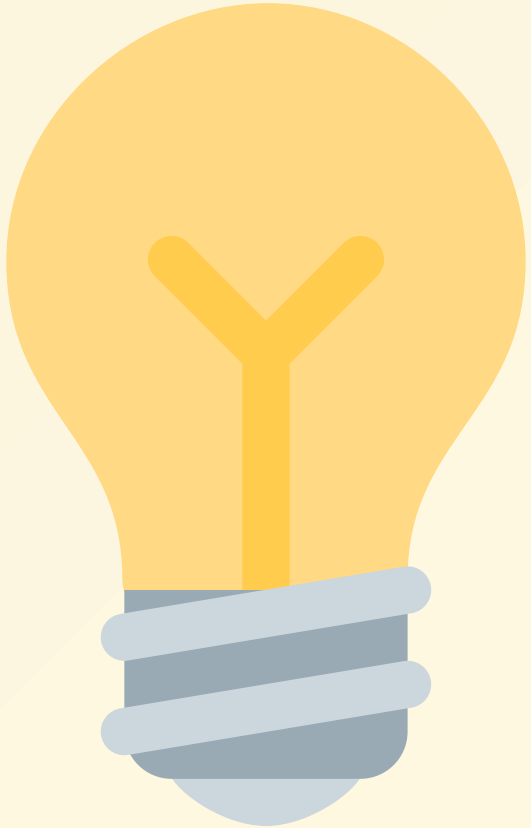
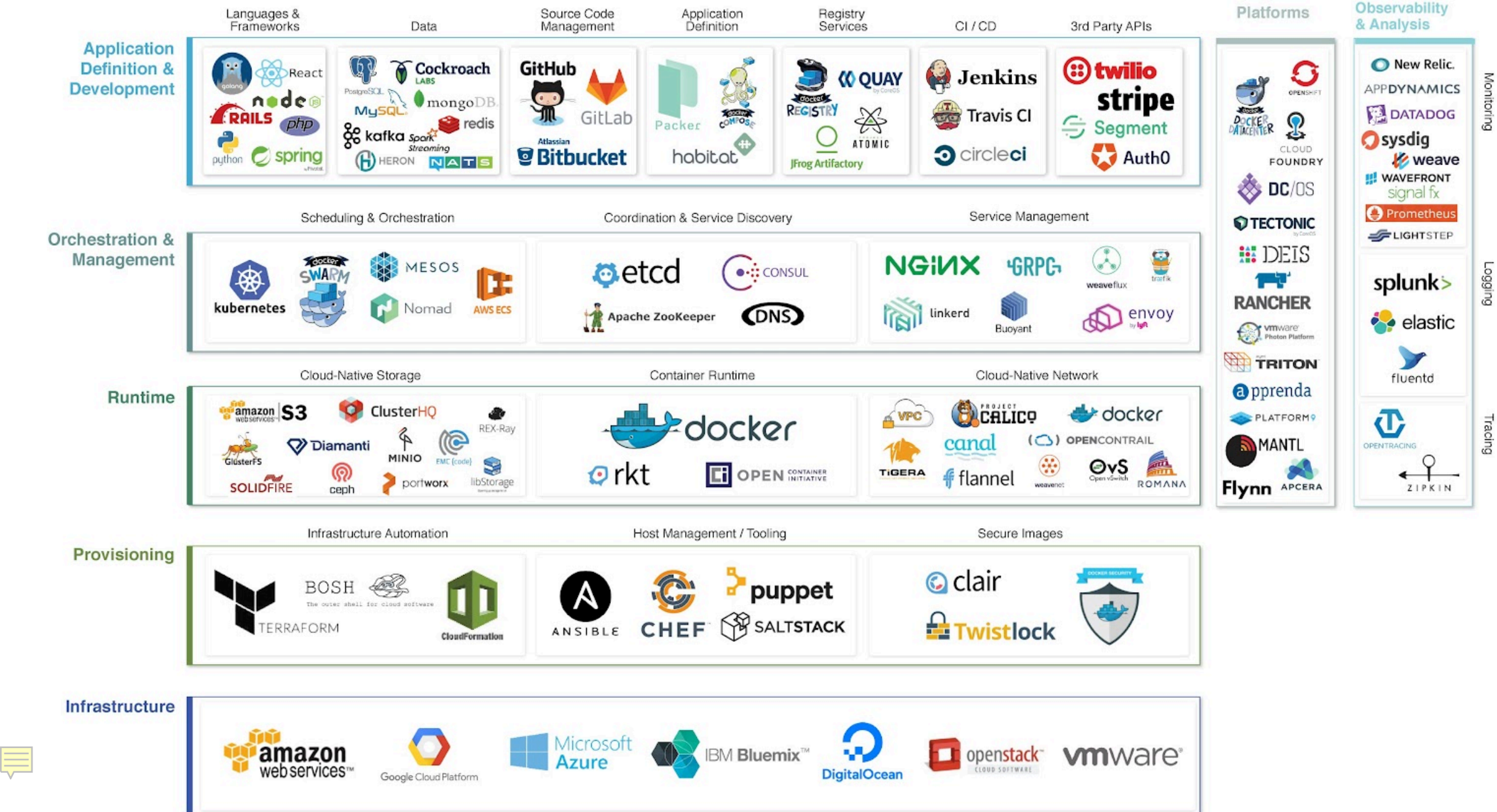
www.my.tupperware.ca/leonalev...

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.

260

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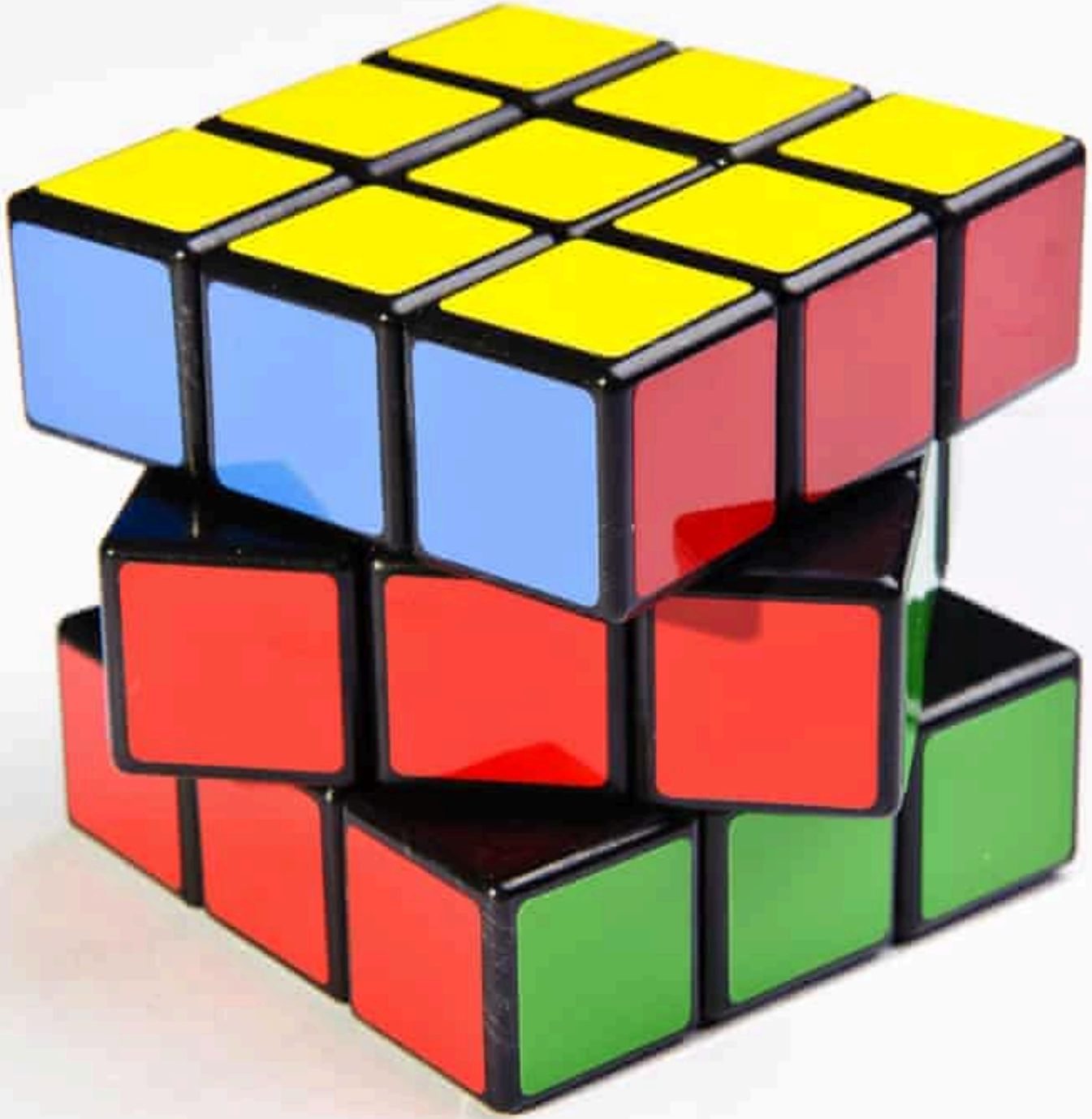
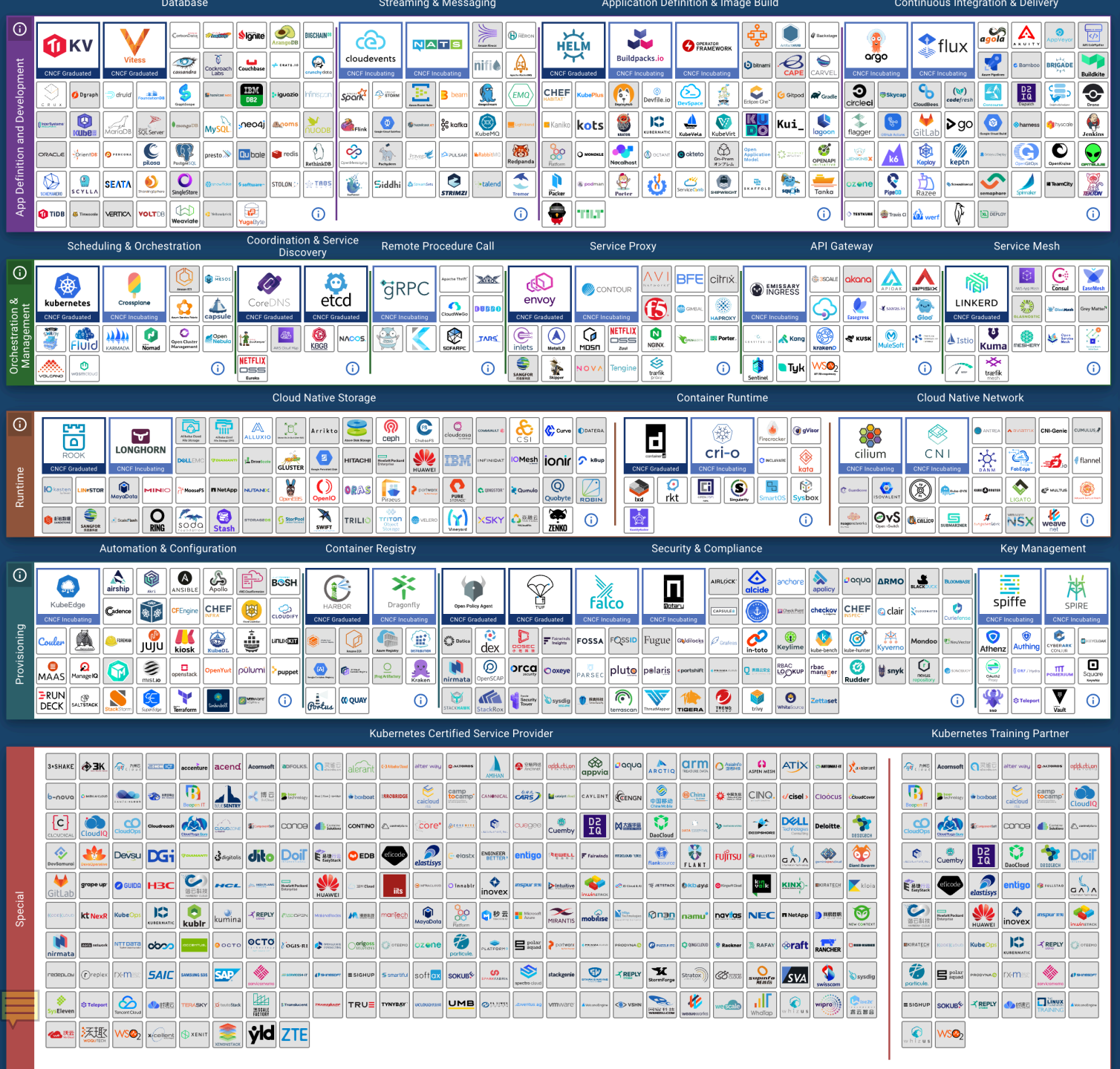
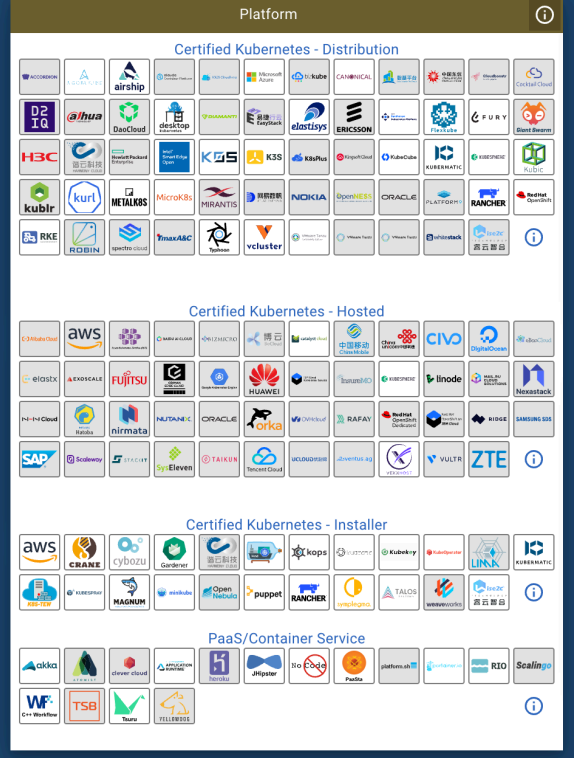
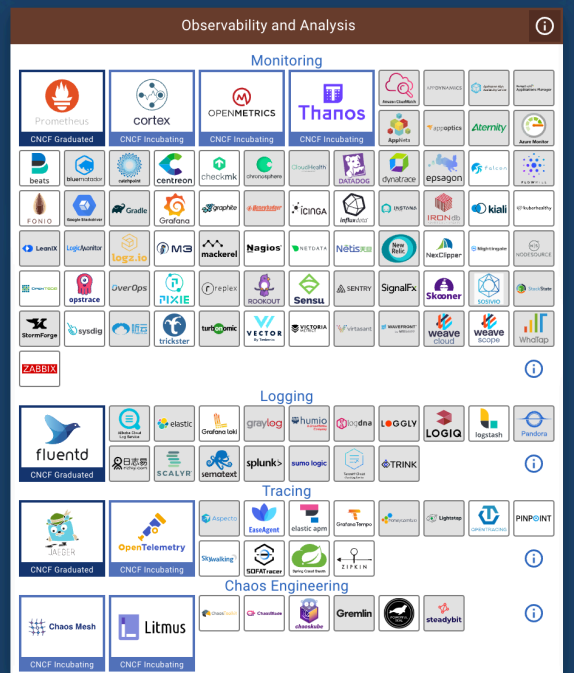
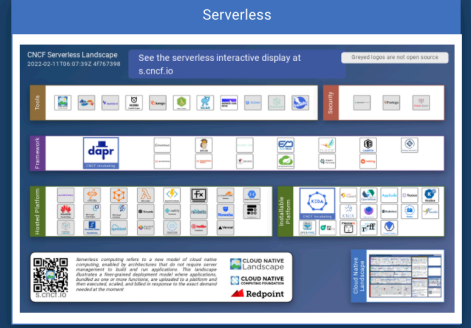
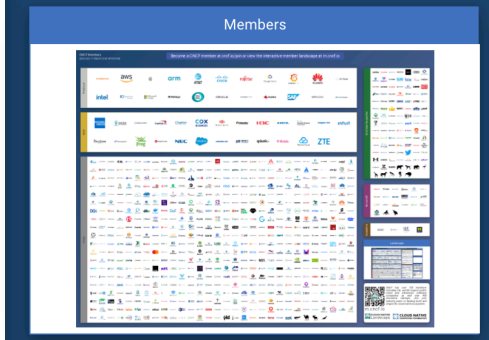










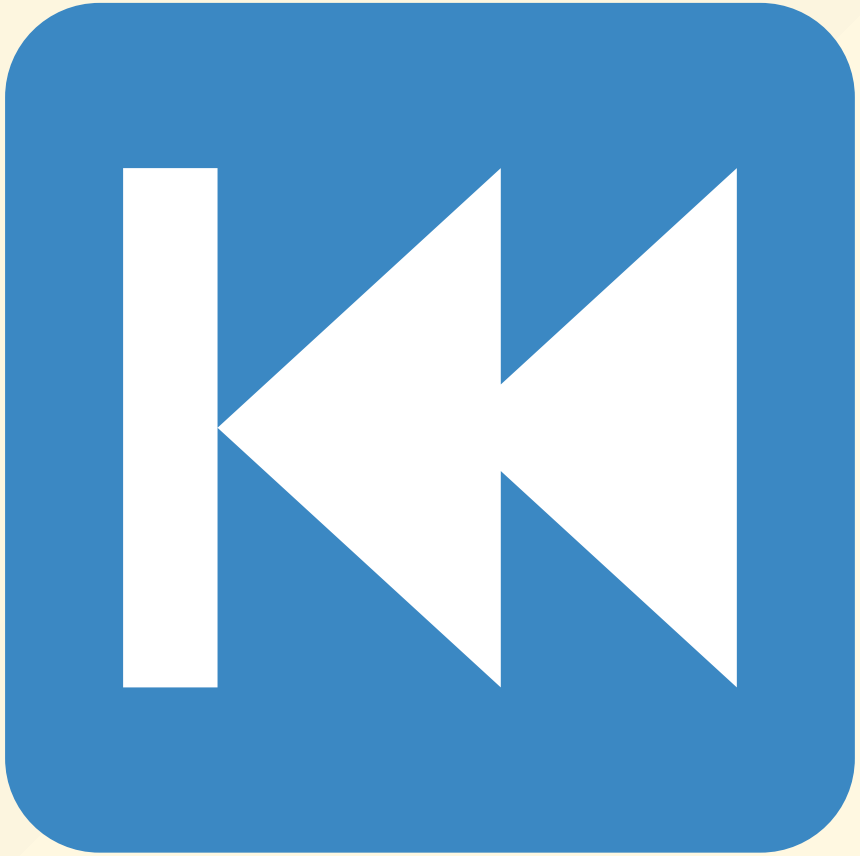


CLOUD NATIVE Landscape

CLOUD NATIVE COMPUTING FOUNDATION

Redpoint

Amplify Partners

This landscape is intended as a map through the previously uncharted terrain of cloud native technologies. There are many routes to deploying a cloud native application, with CNCF Projects representing a particularly well-traveled path.

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