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# INFRASTRUCTURE AS CODE

- ▶ It's great
- ▶ We love it
- ▶ It only goes so far
- ▶ We have apps that are infra for Kube
- ▶ How do we deploy these?

# FIRST WE HAD THIS

```
---
apiVersion: extensions/v1beta1
kind: Ingress
metadata:
  name: example
  labels:
    app: example
  annotations:
    kubernetes.io/ingress.class:
spec:
  rules:
  - host: "example.local"
    http:
      paths:
      - path: /
        backend:
          serviceName: example
          servicePort: http
```

```
---
apiVersion: apps/v1beta2
kind: Deployment
metadata:
  name: example
  labels:
    app: example
spec:
  replicas: 1
  selector:
    matchLabels:
      app: example
  template:
    metadata:
      labels:
        app: example
    spec:
      containers:
      - name: example
        image: "nginx:stable"
        imagePullPolicy: IfNotPresent
        ports:
        - name: http
          containerPort: 80
          protocol: TCP
        livenessProbe:
          httpGet:
            path: /
            port: http
        readinessProbe:
          httpGet:
            path: /
            port: http
```

```
---
apiVersion: v1
kind: Service
metadata:
  name: example
  labels:
    app: example
spec:
  type: ClusterIP
  ports:
  - port: 80
    targetPort: http
    protocol: TCP
    name: http
  selector:
    app: example
```