# Passing metadata into pods
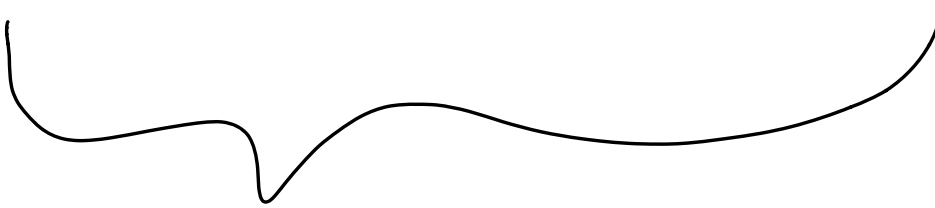
①  env vars

②  Volumes

③  K8s API


①  Env Vars
   - Some can just be passed into Pod


②  pass data into pod through
   downward API

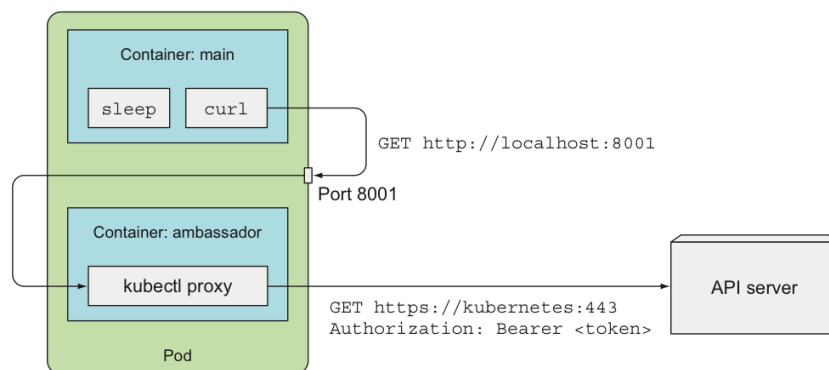①  + ②  use predefined information

③ K8s API - for detailed information

- use url

  - verify w/ cert from default secret

  - pass token from secret

  - use namespace from secret

☆ use ambassador container to abstract
  complexity



☆ use libs to work with API in

more powerful way

# Deployments

- rolling deployments are ideal but involves multiple replication tools

## Deployment object

① create w/ image — acts as an vS

② update image and it will execute a rolling deployment

✱ keeps deployment history

✱ use w/ readiness probes

— uses multiple replication sets to cordinate deployments

Before

Deployment

ReplicaSet: v1
Replicas: --

Pods: v1

ReplicaSet: v2
Replicas: ++

After

Deployment

ReplicaSet: v1

ReplicaSet: v2

Pods: v2