

Environment Variables

→ In Pod definition, under each container definition, we can have

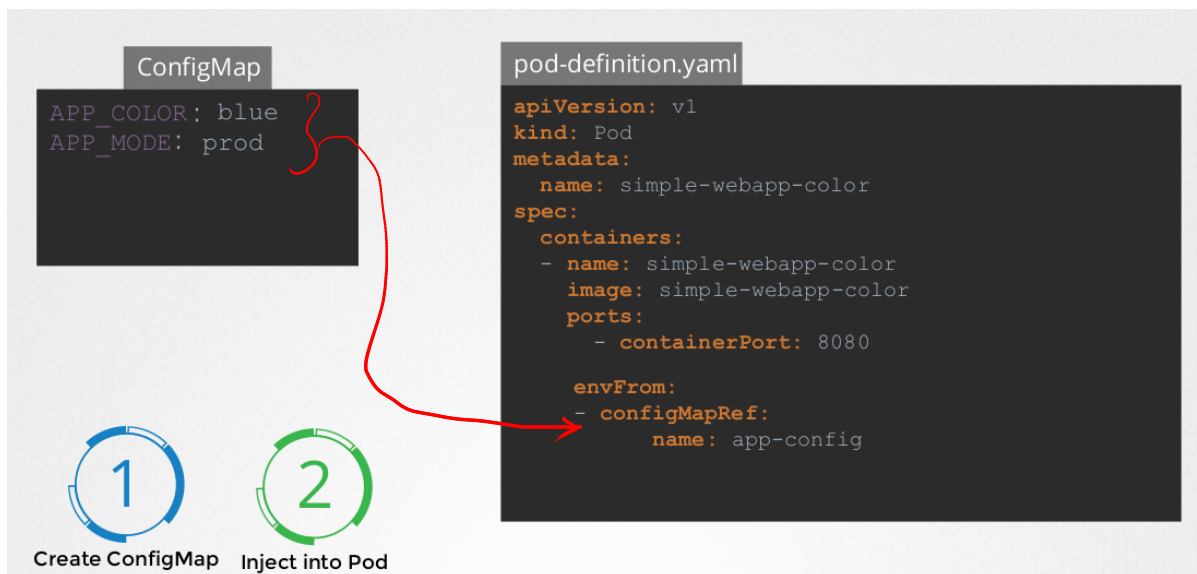
```
env:  
  - name: APP_COLOR  
    value: pink
```

ENV can be provided in 3 way

- plain (directly in YAML)
- Configmaps
- Secret

①

Inject Configmap



②

```
env:  
  - name: APP_COLOR  
    valueFrom:  
      configMapKeyRef:  
        name: app-config  
        key: APP_COLOR
```

← Single key rather than all

Create Configmap

```
apiVersion: v1
kind: ConfigMap
metadata:
  name: app-config
data:
  APP_COLOR: blue
  APP_MODE: prod
```

```
kubectl create configmap <name>
--from-literal=APP_COLOR=blue \
--from-literal=APP_MODE=prod
```

Secrets

Only base64 encoded

- All same as Configmap, Replace "Configmap" with "secret"
- In YAML, Kind → Secret
- Data values need to be base64 encoded

```
envFrom:
- secretRef:
  name: app-config
```

ENV

SINGLE ENV

```
env:
- name: DB_Password
  valueFrom:
    secretKeyRef:
      name: app-secret
      key: DB_Password
```

```
volumes:
- name: app-secret-volume
  secret:
    secretName: app-secret
```

VOLUME