

[16] ConfigMap

ConfigMap?

ConfigMap은 Kubernetes의 구성 데이터를 저장하고 관리하는 데 사용됩니다. ConfigMap은 YAML로 정의되며, Pod나 Service 등 다른 Kubernetes 객체와 연결되어 사용됩니다. ConfigMap은 Y

? Set configuration context \$ `kubectl config use-context k8s`

Expose Configuration settings

Task:

1. All operations in this question should be performed in the `ckad` namespace.
2. Create a **ConfigMap** called `web-config` that contains the following two entries:
 - `connection_string=localhost:80`
 - `external_url=cncf.io`
3. Run a pod called `web-pod` with a single container running the `nginx:1.19.8-alpine` image, and expose these configuration settings as **environment variables** inside the container."



Bash ▾

```
kubectl create namespace ckad
kubectl get namespaces

kubectl create configmap web-config \
  --from-literal=connection_string=localhost:80 \
  --from-literal=external_url=cncf.io \
  --namespace=ckad
kubectl get configmap -n ckad
kubectl describe configmaps web-config -n ckad

kubectl run web-pod --image=nginx:1.19.8-alpine --port 80 -n ckad --dry-run=client -o yaml > web-pod.yaml
vi web-pod.yaml
apiVersion: v1
kind: Pod
metadata:
  name: web-pod
  namespace: ckad
spec:
  containers:
  - image: nginx:1.19.8-alpine
    name: web-pod
    envFrom:
    - configMapRef:
        name: web-config
    ports:
    - containerPort: 80
kubectl apply -f web-pod.yaml

kubectl exec web-pod -n ckad -- env
```



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