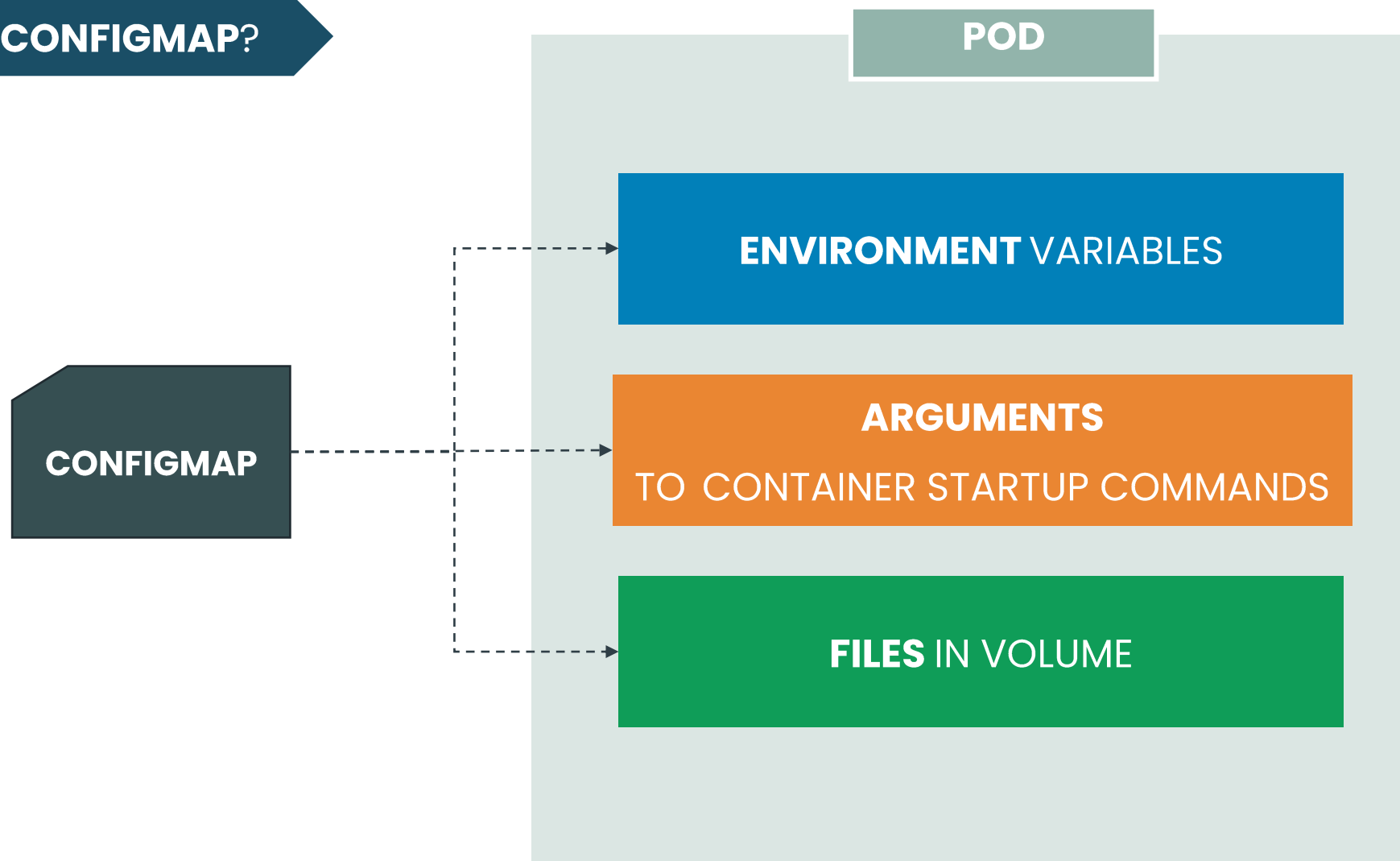




Injecting Configmap into Pod



WHAT IS A CONFIGMAP?



```
kubectl create configmap special-config --from-literal=ENV_ONE=value1 --from-literal=ENV_TWO=value2  
configmap/special-config created
```

INJECTING "CONFIGMAP" DATA INTO POD AS "ENVIRONMENT VARIABLES"

```
ENV_ONE: value1  
ENV_TWO: value2
```

```
Cat configmap-env-pod.yaml
```

```
apiVersion: v1  
kind: Pod  
metadata:  
  name: configmap-env-pod  
spec:  
  containers:  
    - name: test-container  
      image: k8s.gcr.io/busybox  
      env:  
        - name: ENV_VARIABLE_1  
          valueFrom:  
            configMapKeyRef:  
              name: special-config  
              key: ENV_ONE  
        - name: ENV_VARIABLE_2  
          valueFrom:  
            configMapKeyRef:  
              name: special-config  
              key: ENV_TWO  
      restartPolicy: Never
```

```
kubectl apply -f configmap-env-pod.yaml
```

```
pod/envpod created
```

```
kubectl exec envpod env | grep ENV
```

```
ENV_VARIABLE_1=value1  
ENV_VARIABLE_2=value2
```

INJECTING "CONFIGMAP" DATA INTO POD AS "ARGUMENTS"

ENV_ONE: value1

ENV_TWO: value2

```
apiVersion: v1
kind: Pod
metadata:
  name: configmap-arg-pod
spec:
  containers:
    - name: test-container
      image: k8s.gcr.io/busybox
      command: [ "/bin/sh", "-c", "echo $(ENV_VARIABLE_1) and $(ENV_VARIABLE_2)" ]
      env:
        - name: ENV_VARIABLE_1
          valueFrom:
            configMapKeyRef:
              name: special-config
              key: ENV_ONE
        - name: ENV_VARIABLE_2
          valueFrom:
            configMapKeyRef:
              name: special-config
              key: ENV_TWO
      restartPolicy: Never
```

```
kubectl logs <pod-name> -c test-container
```

INJECTING "CONFIGMAP" DATA INTO POD AS "FILES IN VOLUMES"

ENV_ONE: value1
ENV_TWO: value2

```
# pod-configmap-volume.yaml
```

```
apiVersion: v1
```

```
kind: Pod
```

```
metadata:
```

```
  name: configmap-vol-pod
```

```
spec:
```

```
  volumes:
```

```
    - name: mapvol
```

```
      configMap:
```

```
        name: special-config
```

Provide the name of the ConfigMap containing the files
you want to add to the container

```
  containers:
```

```
    - name: test-container
```

```
      image: k8s.gcr.io/busybox
```

```
      command: [ "/bin/sh", "-c", "ls /etc/config/" ]
```

```
      volumeMounts:
```

```
        - name: mapvol
```

```
          mountPath: /etc/config
```

Mounts mapvol volume into container at /etc/config

```
restartPolicy: Never
```

```
kubectl exec configmap-vol-pod ls /etc/name
```

