

pod.yaml

```
apiVersion: v1
kind: Pod
metadata:
  name: env-var
  labels:
    purpose: demonstrate-env-var
spec:
  containers:
  - name: env-var-container
    image: wordpress
    env:
      - name: WORDPRESS_VERSION
        value: "5.2.2"
      - name: WORDPRESS_USER
        value: "ubuntu"
```

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➤ **A ConfigMap is an API object used to store non-confidential data in key-value pairs.**

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ConfigMap

VERSION: "5.2.2"
USER: "ubuntu"
COLOR: "red"

ConfigMap

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ConfigMap

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```

ConfigMap



➤ **Scope of the configmap is only to the namespace.**

Namespace A

ConfigMap

Pod

Pod

Pod

Namespace B

ConfigMap

Pod

Pod

Pod



ConfigMap Creation

01

```
kubectl create configmap <name>  
--from-literal=<key>=<value>
```

02

```
kubectl create configmap <name>  
--from-literal=<key>=<value>  
--from-literal=<key>=<value>
```

03

```
kubectl create configmap  
<name> --from-file=<file-name>
```

```
apiVersion: v1  
kind: ConfigMap  
metadata:  
  name: my-configmap  
data:  
  wordpress_version: "5.2.2"  
  wordpress_user: "ubuntu"
```

my-configmap

```
wordpress_version="5.2.2"  
wordpress_user="ubuntu"
```

```
apiVersion: v1  
kind: Pod  
metadata:  
  name: configmap-demo  
spec:  
  containers:  
    - name: demo-container  
      image: wordpress  
      envFrom:  
        - configMapRef:  
            name: my-configmap
```

my-configmap

```
wordpress_version="5.2.2"  
wordpress_user="ubuntu"
```

```
apiVersion: v1  
kind: Pod  
metadata:  
  name: configmap-demo  
spec:  
  containers:  
  - name: demo-container  
    image: wordpress  
    envFrom:  
    - configMapRef:  
      name: my-configmap
```

```
apiVersion: v1  
kind: Pod  
metadata:  
  name: configmap-demo  
spec:  
  containers:  
  - name: demo-container  
    image: wordpress  
    env:  
    - name: VERSION  
      valueFrom:  
        configMapKeyRef:  
          name: my-configmap  
          key: wordpress_version
```

my-configmap

```
wordpress_version="5.2.2"  
wordpress_user="ubuntu"
```

```
apiVersion: v1  
kind: Pod  
metadata:  
  name: configmap-demo  
spec:  
  containers:  
  - name: demo-container  
    image: wordpress  
    envFrom:  
    - configMapRef:  
      name: my-configmap
```

```
apiVersion: v1  
kind: Pod  
metadata:  
  name: configmap-demo  
spec:  
  containers:  
  - name: demo-container  
    image: wordpress  
    env:  
    - name: VERSION  
      valueFrom:  
        configMapKeyRef:  
          name: my-configmap  
          key: wordpress_version
```

```
apiVersion: v1  
kind: Pod  
metadata:  
  name: configmap-demo  
spec:  
  containers:  
  - name: demo-container  
    image: wordpress  
    volumeMounts:  
    - name: config  
      mountPath: /etc/config  
  volumes:  
  - name: config  
    configMap:  
      name: configmap-3
```