



VOLUMES AND DATA

Volumes and Data

Using ConfigMaps

Like secrets, you can use ConfigMaps as environment variables or using a volume mount. They must exist prior to being used by a Pod, unless marked as *optional*. They also reside in a specific namespace.

In the case of environment variables, your pod manifest will use the **valueFrom** key and the **configMapKeyRef** value to read the values. For instance:

env:

```
- name: SPECIAL_LEVEL_KEY
  valueFrom:
    configMapKeyRef:
      name: special-config
      key: special.how
```

With volumes, you define a volume with the configMap type in your pod and mount it where it needs to be used:

volumes:

```
- name: config-volume
  configMap:
    name: special-config
```