



Kubernetes Secrets and ConfigMaps



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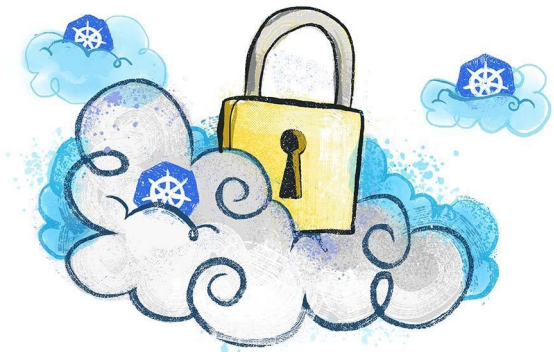
1

Secrets



Secrets

A **Secret** is an object that contains a small amount of **sensitive data such as a password, a token, or a key**. Such information might otherwise be put in a Pod specification or in an image.





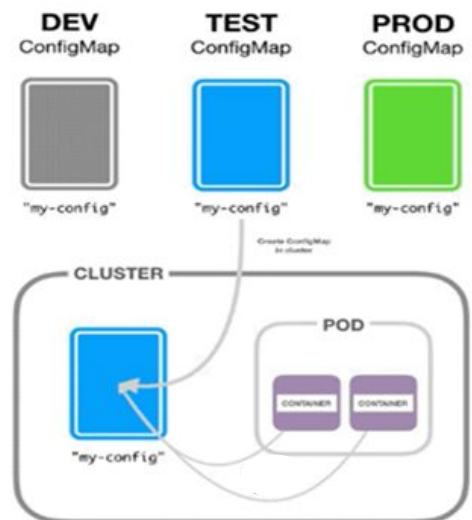
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ConfigMaps



ConfigMaps

- A **ConfigMap** is an API object used to store **non-confidential data in key-value pairs**. Pods can consume ConfigMaps as **environment variables, command-line arguments, or as configuration files in a volume**.
- A ConfigMap allows you to **decouple environment-specific configuration** from your container images, so that your applications are easily portable.





► ConfigMaps Samples

> User can create configMap via **Literal** or **from Files**.

> **Via File:** A **path to a directory** containing one or more configuration files, indicated using the **—from-file** flag.

```
kubectl create configmap [NAME] --from-file [/PATH/TO/FILE.PROPERTIES]  
--from-file [/PATH/TO/FILE2.PROPERTIES]
```

> User **can also put complete directory**, containing multiple files.

```
kubectl create configmap [NAME] --from-file [/PATH/TO/DIRECTORY]
```



► ConfigMaps Samples

> **Via Literal Values:** To create a ConfigMap from literal values **—from-literal**.

```
kubectl create configmap literal-data --from-literal key1=value1 --  
from-literal key2=value2
```

```
kubectl create configmap special-config --from-literal=special.how=very  
--from-literal=special.type=charm
```

> Get ConfigMap via CLI.

```
kubectl get configmaps <config-map_Name> -o yaml/json
```



THANKS!

Any questions?

