Kubernetes Secrets and ConfigMaps

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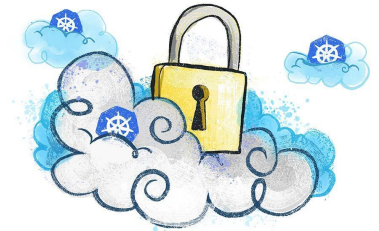
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Secrets

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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.

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.
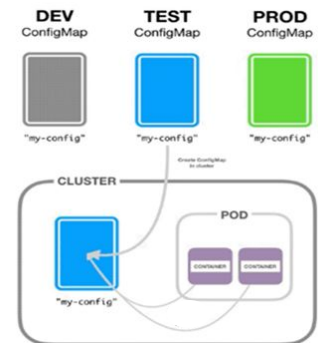
ConfigMaps Samples

➤ 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 <confiig-map_Name> -o yaml/json

THANKS!

Any questions?