



# Kubernetes Secrets and ConfigMaps



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# 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.





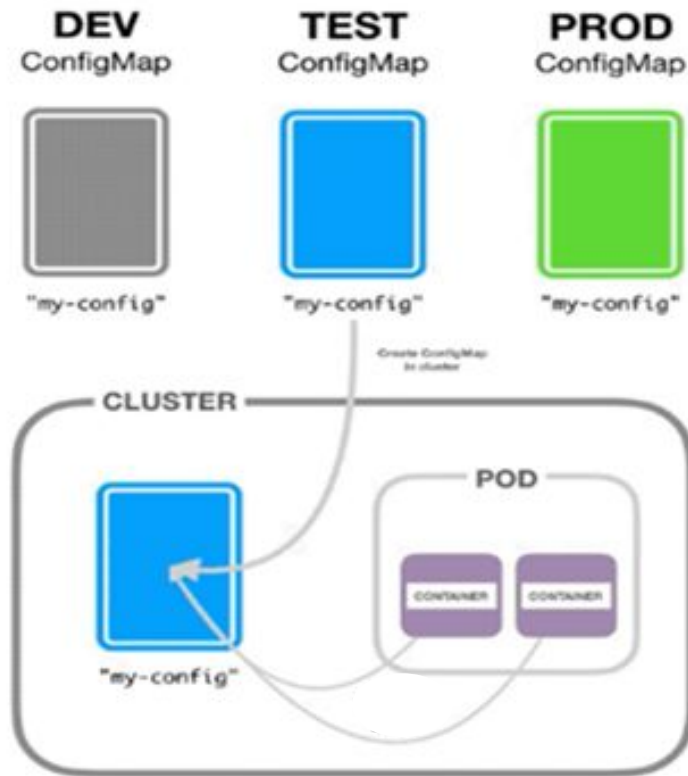
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# ConfigMaps



# 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?

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