



# kubernetes

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*Kubernetes: ConfigMap*

## *KUBERNETES : Advance of Kuebernetes*

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- Parameters that are not Secret, can be put in **ConfigMap**.
- ConfigMap uses Key-Value Pairs.
- **ConfigMap** Key-Value pairs can be read by **Environment Variable, Container CommandLine Arguments**, and using **Volumes**.
- **ConfigMaps** bind configuration files, command-line arguments, environment variables, port numbers, and other configuration artifacts to your Pods' containers and system components at runtime.

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- **ConfigMaps** allow you to separate your configurations from your Pods and components.
- **ConfigMap** helps to makes configurations easier to change and manage, and **prevents hardcoding configuration** data to Pod specifications.
- **ConfigMaps** are useful for storing and sharing *non-sensitive*, unencrypted configuration information.

## **Creating a ConfigMap**

- 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.

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

- User can also put complete directory, containing multiple files.

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

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- 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
```

- Get ConfigMap via CLI.

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

*Will see you in Next Lecture...*

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*Thank you!*

A close-up photograph of a hand holding a black marker, writing the words 'Thank you!' in a cursive script on a white surface. The hand is positioned on the right side of the frame, with the marker tip touching the paper. The background is plain white.

*See you in next lecture ...*