



kubernetes

Working with Kubectl

Learn Kubernetes by Doing : K8s Hard Way

➤ K8s Command Line Tool-

- What is kubectl?
- Kubectl commands like -
 - Kubectl get
 - Kubectl describe
 - Kubectl create
 - Kubectl apply
 - Kubectl delete
 - Kubectl exec

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- Kubectrl Intro-
- Kubectrl is command line tool for Kubernetes.
- Kubectrl uses the K8s APIs internally to carryout the commands.

```
$ kubectrl uncordon <node_name>
```

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➤ Kubectrl get-

- Kubectl get is used to get the objects, present in K8s Cluster

```
$ kubectl get <object_type> <object_name> -o  
<output> —sort-by <JSONpath> —selector  
<selector>
```

- -o — Set Output format YAML/JSON
- - -sort-by — Sort Output using JSON path Expression
- - -Selector — Filter results by label

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- Kubectrl describe-
- You can get Detailed Information about any Kubernetes Object.

```
$ kubectl describe <object_type> <object_name>
```

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- Kubectl create-
- You can create any K8s Object using Kubectl create.
- File descriptor must be YAML.

```
$ kubectl create -f <file_name>
```

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- Kubectl apply-
- Kubectl apply is similar to Kubectl create.
- If user use kubectl apply on already existing object. It will modify the existing object, if possible.

```
$ kubectl apply -f <file_name>
```

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➤ Kubectl delete-

- Kubectl delete, deletes the object from K8s Cluster.

```
$ kubectl delete <object_type> <object_name>
```


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➤ Kubectrl exec-

- Kubectrl exec, used to run commands inside container.
- K8s resource must be running on which kubectrl exec is being performed.

```
$ kubectrl exec <pod_name> -c <conatiner_name>
```

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HANDS-ON DEMONSTRATION

Will see you in Next Lecture...

Thank you!

A close-up photograph of a hand holding a black marker, completing the word 'Thank you!' in a cursive script on a white surface. The hand is positioned on the right side of the frame, with the index and thumb fingers visible, holding the marker. The marker is black with a silver band. The text 'Thank you!' is written in a fluid, cursive style, with the exclamation mark being the final stroke. The background is a plain, light-colored surface.

See you in next lecture ...