



kubernetes

Using NameSpaces in K8s

Learn Kubernetes by Doing : K8s Hard Way

➤ NameSpace-

- NameSpaces are virtual Cluster backed by the same Physical Cluster.
K8s Objects, such as pods and containers live in NameSpace.
- NameSpaces are ways to separate and organise Objects in K8s.

Learn Kubernetes by Doing : K8s Hard Way

- List Existing Namespace-
- Namespaces can be list using kubectl :

```
$ kubectl get namespaces
```

- All clusters have **default** namespace.

Learn Kubernetes by Doing : K8s Hard Way

- Specify NameSpace-
- NameSpaces needs to be Supply with kubectl :

```
$ kubectl get pods - -namespace <namespace>
```

- Note that if Name space is not defined, system will take default namespace.

Learn Kubernetes by Doing : K8s Hard Way

➤ Create a Namespace-

- User can create their own namespace with kubectl :

```
$ kubectl create namespace <namespace>
```

- Note that if Name space is not defined, system will take **default** namespace.

Learn Kubernetes by Doing : K8s Hard Way

HANDS-ON DEMONSTRATION

Will see you in Next Lecture...

Thank you!

A close-up photograph of a hand holding a black marker, completing the cursive word 'Thank you!' on a white surface. The marker is positioned at the end of the exclamation point, and the hand is visible on the right side of the frame.

See you in next lecture ...