LAB: Creating a Namespace and switching to it

**Setting up a Namespace**

Check current config

1. kubectl config view
2. kubectl config get-contexts

**You could also examine the current configs in file cat ~/.kube/config**

**Creating a namespace**

Namespaces offers separation of resources running on the same physical infrastructure into virtual clusters. It is typically useful in mid to large scale environments with multiple projects, teams and need separate scopes. It could also be useful to map to your workflow stages e.g. dev, stage, prod.

Lets create a namespace called **instavote**

1. cd projects/instavote
2. cat instavote-ns.yaml

**[output]**

1. kind: Namespace
2. apiVersion: v1
3. metadata:
4. name: instavote

Lets create a namespace

kubectl get ns

kubectl apply -f instavote-ns.yaml

kubectl get ns

**And switch to it**

kubectl config --help

kubectl config get-contexts

kubectl config current-context

kubectl config set-context $(kubectl config current-context) --namespace=instavote

kubectl config view

kubectl config get-contexts

**Exercise: Go back to the monitoring screen and observe what happens after switching the namespace.**