

Namespaces

» Contexts

Overview

Create a new context for the `engineering` and `marketing` namespaces created in the previous exercise.

```
kubectl config set-context eng --namespace=engineering --cluster=local --user=kubelet  
kubectl config set-context mkt --namespace=marketing --cluster=local --user=kubelet
```

View the configuration to verify new contexts.

```
kubectl config view
```

Now, we can use the context that was created for the `engineering` namespace.

```
kubectl config use-context eng
```

Verify the current context

```
kubectl config current-context
```

Create a new `widgets` deployment in the `engineering` namespace.

```
kubectl run widgets --image=nginx:1.13 --replicas=3
```

List the deployments and pods that exist in the `engineering` namespace.

```
kubectl get deployments  
kubectl describe deployment widgets  
kubectl get pods
```

Now switch over to the `marketing` namespace.

```
kubectl config use-context mkt
```

There should be no resources found in the `marketing` namespace.

```
kubectl get deployments
kubectl get pods
```

Create a new `website` deployment in the `marketing` namespace.

```
kubectl run website --image=nginx:1.13 --replicas=5
```

List the deployments and pods that exist in the `marketing` namespace.

```
kubectl get deployments
kubectl describe deployment website
kubectl get pods
```

Unset the current context return to the `default` namespace.

```
kubectl config unset current-context
```

List the deployments and pods that exist in the `default` namespace.

```
kubectl get deployments
kubectl get pods
```

Clean Up

Remove the context for the `marketing` namespace.

```
kubectl config delete-context mkt
```

Remove the `marketing` namespace, which will delete all resources in that namespace.

```
kubectl delete namespace marketing
```

Remove the context for the `engineering` namespace.

```
kubectl config delete-context eng
```

Remove the `engineering` namespace, which will delete all resources in that namespace.

```
kubectl delete namespace engineering
```

Verify the contexts have been removed from the configuration.

```
kubectl config view
```

Verify the namespaces have been removed.

```
kubectl get namespaces
```

Finally, remove the deployment in the default namespace.

```
kubectl delete deployment nginx
```