Kubernetes Cheat Sheet

View resources

View one or many resources

```
kubectl -n NAMESPACE get TYPE [NAME] [-o yaml|wide]
```

Display labels of all resources by type

```
kubectl -n NAMESPACE get TYPE --show-labels
```

Show details of a specific resource or group

```
kubectl -n NAMESPACE describe TYPE [NAME]
```

Troubleshooting

Show a pod's logs

```
kubectl -n NAMESPACE logs POD [CONTAINER]
```

Copy dirs and files from a pod to local dir

```
kubectl cp NAMESPACE/POD:/tmp/foo /tmp/bar [-c CONTAINER]
```

Copy local dirs and files to a pod

```
kubectl cp /tmp/bar NAMESPACE/POD:/tmp/foo [-c CONTAINER]
```

Forward local port(s) to a pod

```
kubectl -n NAMESPACE port-forward TYPE/NAME [L_PORT:]R_PORT
```

Bash attach a pod

```
kubectl -n NAMESPACE exec -it POD [-c CONTAINER] -- /bin/bash
```

Modify resources

Scale a deployment

```
kubectl scale deployment/NAME --replicas=COUNT
```

Create the resource(s) from a file

```
kubectl -n NAMESPACE create -f FILENAME
```

Helper commands for creating resources

```
kubectl -n NAMESPACE create namespace|deployment|configmap ...
```

Redeploy existing deployment or daemonset

```
kubectl -n NAMESPACE rollout restart TYPE/NAME
```

Defining environment variables or limits / requests

```
kubectl -n NAMESPACE set env|resources ...
```

Create or change resources from a file

```
kubectl -n NAMESPACE apply -f FILENAME
```

Delete resource(s) defined in a file

```
kubectl -n NAMESPACE delete -f FILENAME
```

Delete a specific resource

```
kubectl -n NAMESPACE delete TYPE NAME
```

Scale a statefulset

```
kubectl scale statefulset/NAME --replicas=COUNT
```