Cheatsheet



contextes

namespaces

ingress

```
# CLI setup
https://ibd.sh/kubectl
https://ibd.sh/kubectx
https://ibd.sh/kubetail
```

https://ibd.sh/helm

List available contexts kubectx

Change context to dev

kubectx dev

```
# List namespaces
```

kubens

Change namespace to prod kubens prod

Create namespace test

kubectl create ns test

```
# Ingress manifest example
apiVersion: networking.k8s.io/v1
kind: Ingress
metadata:
 name: test-ingress
  - host: foo.bar.com
   http:
     paths:
      - path: /testpath
       pathType: Prefix
        backend:
          service:
           name: test
           port:
             number: 80
  tls:
    - foo.bar.com
    secretName: foobar-tls
```

deploy / expose

help / debug

configuration

```
# Create a deployment named web, using image nginx into prod namespace
```

kubectl create -n prod deploy web --image=nginx

Expose port 80 of deployment web with an internal service named front kubectl expose deploy/web --port=80 --name=front

Retrieve logs of pods with tag app=web

kubetail -l app=web

Open a tunnel listening on 127.0.0.1:8080 to the port 80 of a pod related to deployment web kubectl port-forward deploy/web 8080:80

Create a Yaml manifest, without sending it to the cluster

kubectl create deploy web --image=nginx --dry-run=client -o yaml > web.yml

Edit deployment web

kubectl edit deploy/web

Retrieve detailed state of pod test kubectl describe pod test

Get all possible attributes of a resource kubectl explain pod --recursive

Open a bash terminal in pod app

kubectl exec -it app -- bash

NB: The flag --help provide help of any command

PVC manifest example kind: PersistentVolumeClaim apiVersion: v1 metadata: name: web-data spec: accessModes: - ReadWriteOnce resources: requests: storage: 42Gi

Use the config file /path/to/config rather than ~/.kube/config export KUBECONFIG=/path/to/config

Merge two configuration files config1 and config2 in one file config

KUBECONFIG=config1:config2 kubectl config view --flatten > config

Export only the current context configuration to file config kubectl config view --minify --flatten > config