RAPPORT DU PROJET KUBERNETES

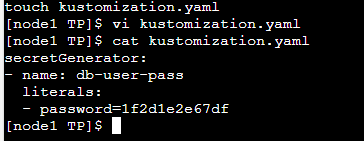
Pour ce faire nous avons dans un premier temps crée le secret avec le fichier kustomization.yaml

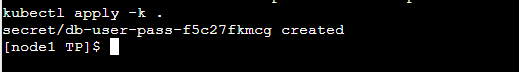
secretGenerator:

- name: db-user-pass

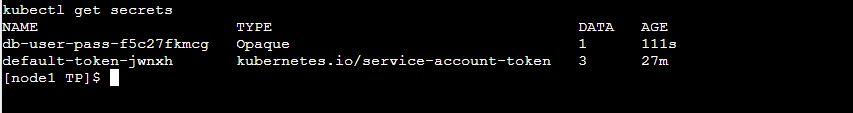
literals:

- password=1f2d1e2e67df





En faisant un kubectl get secrets on peut voir le secret créer :



Ensuite nous avons créé le pvc et pv mysql :

Mysql-pvc.yaml

apiVersion: v1

kind: PersistentVolumeClaim

metadata:

name: mysql-pvc

labels:

app: mysql

spec:

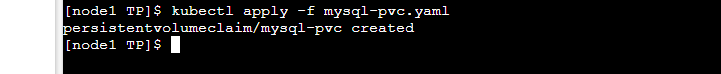
accessModes:

- ReadWriteOnce

resources:

requests:

storage: 10Gi



Mysql-pv.yaml

apiVersion: v1

kind: PersistentVolume

metadata:

name: mysql-pv

labels:

type: local

spec:

storageClassName: manual

capacity:

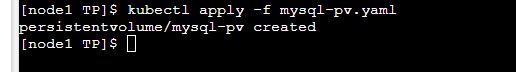
storage: 20Gi

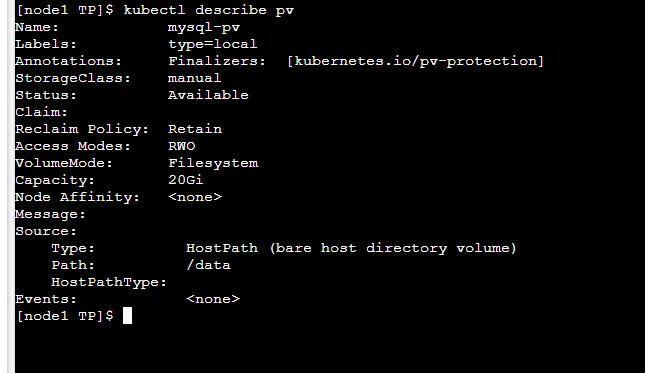
accessModes:

- ReadWriteOnce

hostPath:

path: "/data"





Creation des services

Mysql-service :

apiVersion: v1

kind: Service

metadata:

name: mysql-service

labels:

app: mysql

spec:

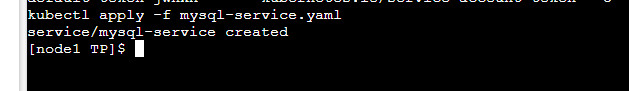
ports:

- port: 3306

selector:

app: mysql

clusterIP: None



Deployment de mysql

apiVersion: apps/v1

kind: Deployment

metadata:

name: mysql

labels:

app: mysql

spec:

selector:

matchLabels:

app: mysql

template:

metadata:

labels:

app: mysql

spec:

containers:

- image: mysql:5.6

name: mysql

env:

- name: MYSQL\_ROOT\_PASSWORD

valueFrom:

secretKeyRef:

name: db-user-pass

key: password

ports:

- containerPort: 3306

name: mysql

volumeMounts:

- name: mysql-storage

mountPath: /var/lib/mysql

volumes:

- name: mysql-storage

persistentVolumeClaim:

claimName: mysql-pvc

Wordpress-service

apiVersion: v1

kind: Service

metadata:

name: wordpress-service

labels:

app: wordpress

spec:

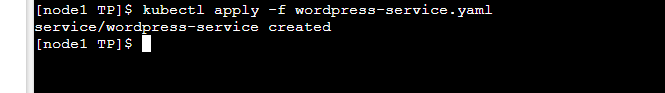
ports:

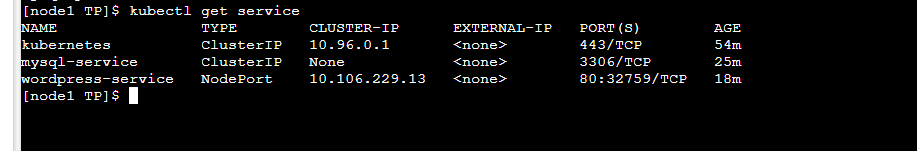
- port: 80

selector:

app: wordpress

type: NodePort





Creation du pvc wordpress

apiVersion: v1

kind: PersistentVolumeClaim

metadata:

name: wordpress-pvc

labels:

app: wordpress

spec:

accessModes:

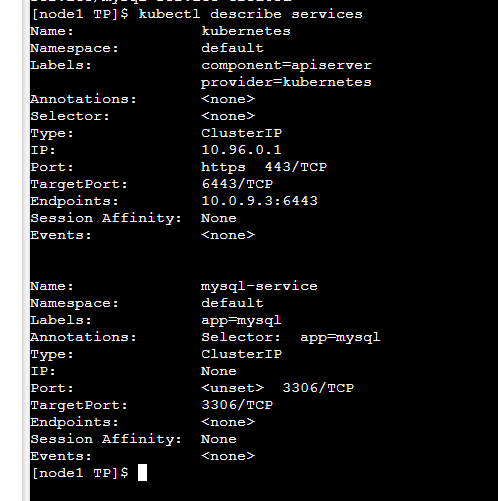
- ReadWriteOnce

resources:

requests:

storage: 10Gi

description du service



Creation de wordpress deployement

apiVersion: apps/v1

kind: Deployment

metadata:

name: wordpress

labels:

app: wordpress

spec:

selector:

matchLabels:

app: wordpress

template:

metadata:

labels:

app: wordpress

spec:

containers:

- image: wordpress:4.8-apache

name: wordpress

env:

- name: WORDPRESS\_DB\_HOST

value: wordpress-mysql

- name: WORDPRESS\_DB\_PASSWORD

valueFrom:

secretKeyRef:

name: db-user-pass

key: password

ports:

- containerPort: 80

name: wordpress

volumeMounts:

- name: wordpress-storage

mountPath: /var/www/html

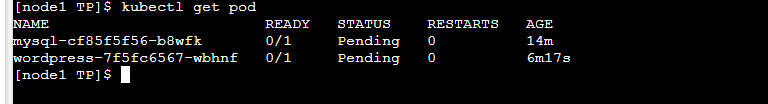
volumes:

- name: wordpress-storage

persistentVolumeClaim:

claimName: wordpress-pvc

on visualise les différents pot



J’ai une préoccupation, je ne comprend pas pourquoi mes pods rester en pending .