Day 83

DIY

DIY Questions

1.Which of the following statement is not true about headless services?

a)headless services can be of type ClusterIP or NodePort

b)headless services have no IP address

c)headless services are used to expose pod's to kubernetes DNS

d)headless services are used by stateful sets to expose pod's

Solution:

a)headless services can be of type ClusterIP or NodePort

2.Which of the following statement is not true about statefulset?

a)stateful set provisions pod's in an order

b)stateful sets are used for stateless applications

c)All the pod's in a stateful set have unique names

d)All the pod's in a stateful set have unique storage

Solution:

b)stateful sets are used for stateless applications

3.Which of the following resource is used to pass non-sensitive information to the application pod?

a)secret

b)configmap

c)jobs

d)ingress

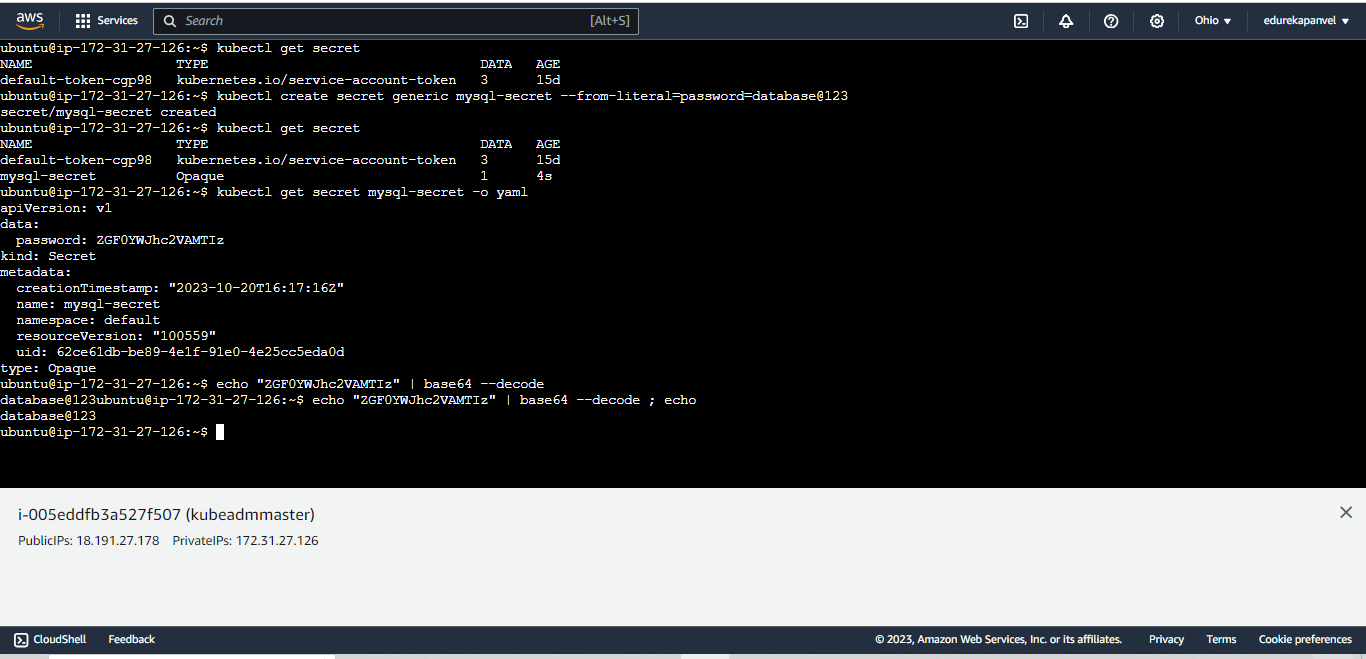
solution:

b)configmap

4.How to create a secret to encode the password (value = database@123) for a mysql pod?

Solution:

Kubectl create secret generic mysql-secret -–from-literal=password=database@123



5.How to create a mysql database pod and pass the secret created above as the root password for the database.

Solution:

apiVersion: v1

kind: Pod

metadata:

name: mysqldatabase-pod

spec:

containers:

- name: mysql

image: mysql:latest

env:

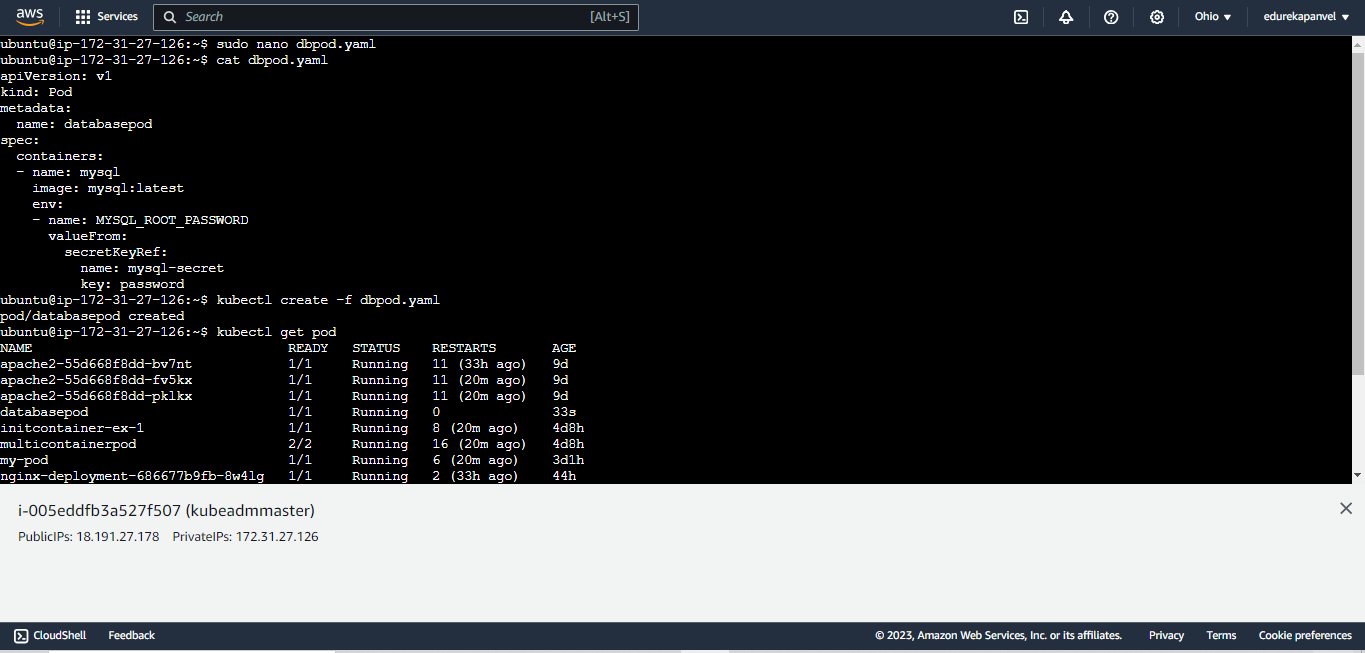
- name: MYSQL\_ROOT\_PASSWORD

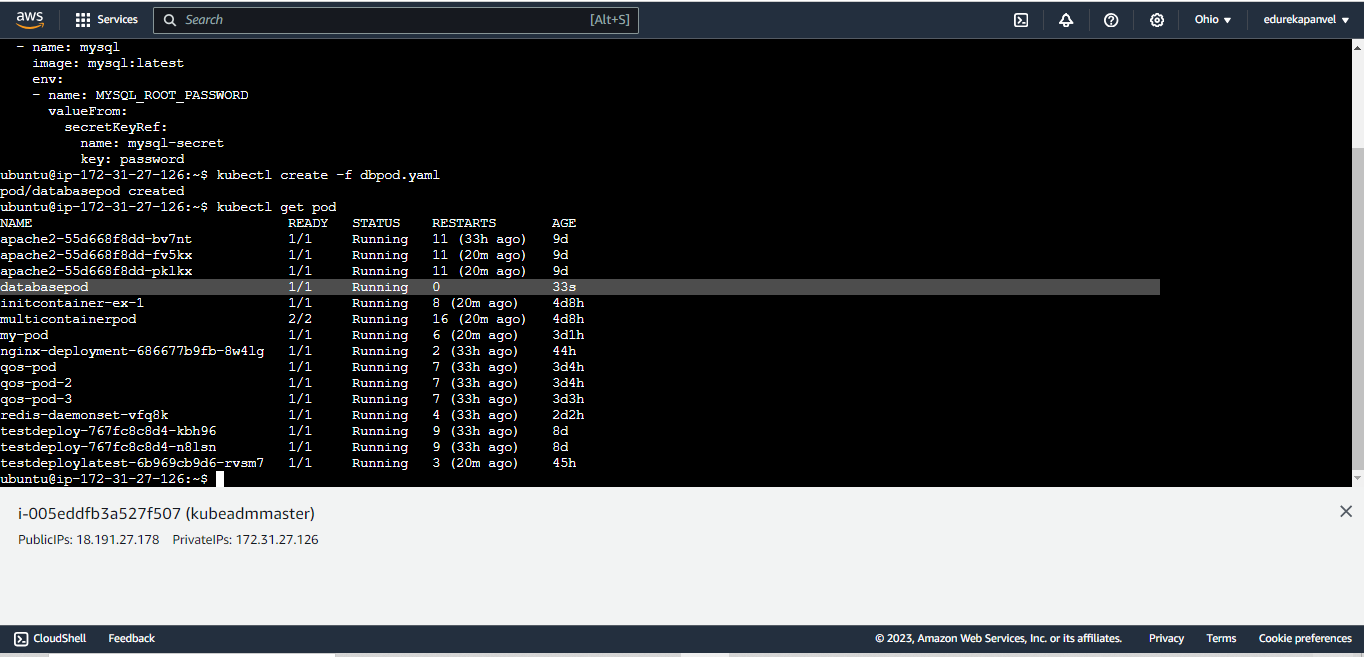
valueFrom:

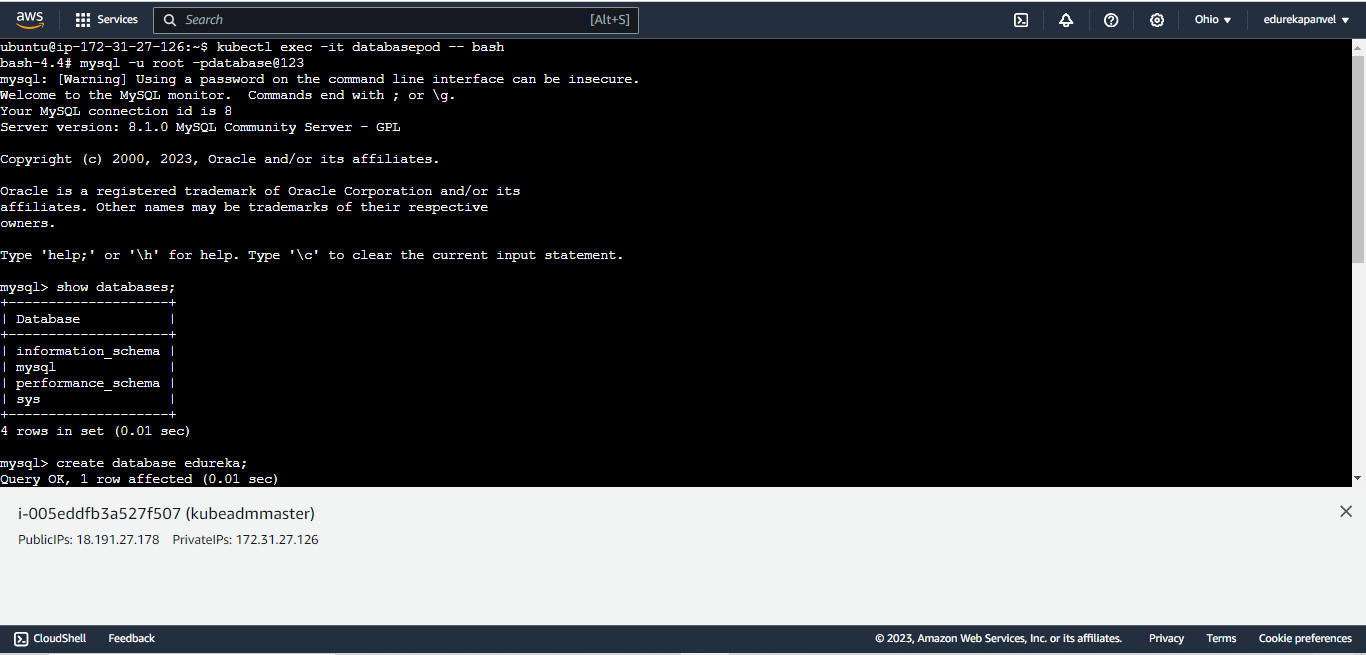
secretKeyRef:

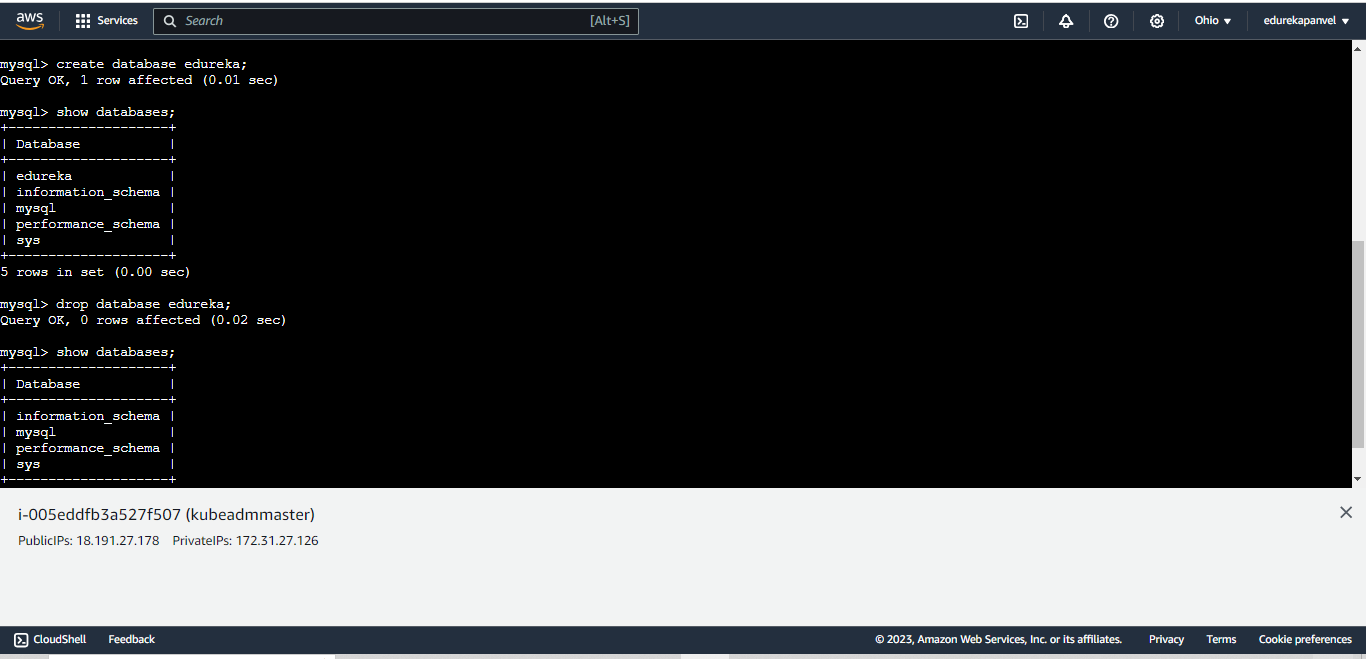
name: mysql-secret

key: password





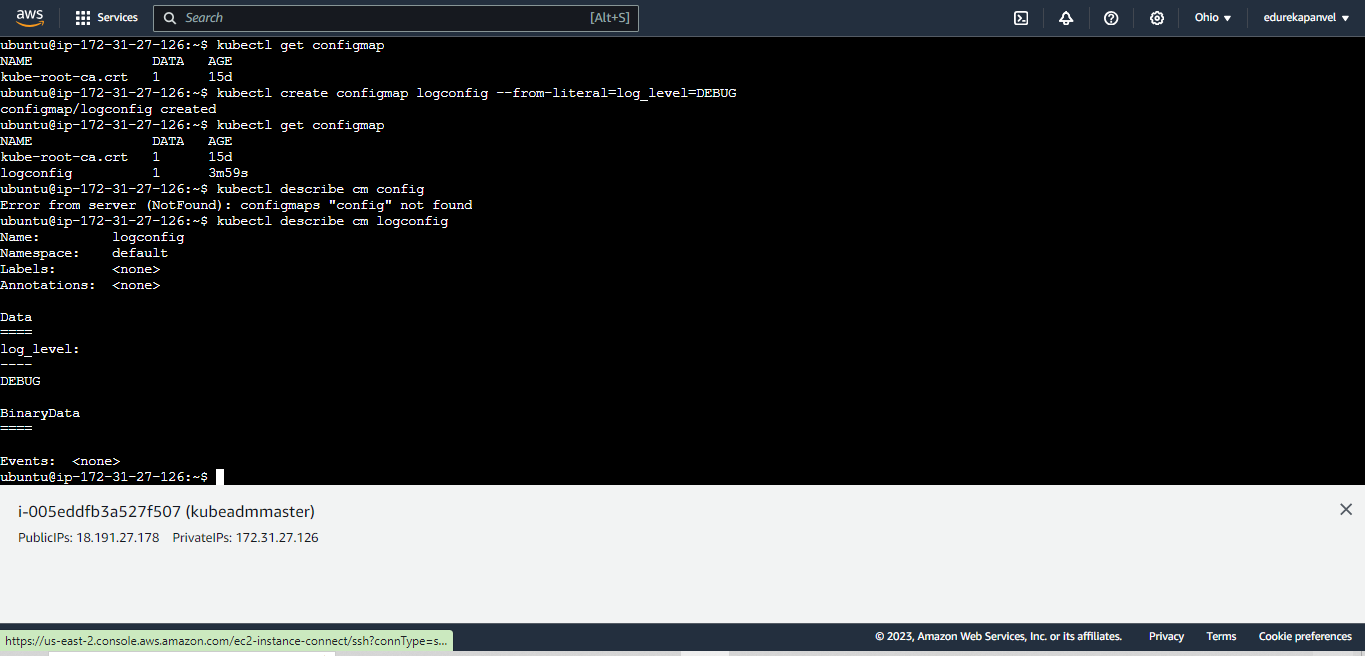




6.How to create a config map for setting log level to debug?

Solution:

kubectl create configmap logconfig --from-literal=log\_level=DEBUG



7.How to create a nginx pod that will have log level environment variable set to debug by using above created config map?

Solution:

apiVersion: v1

kind: Pod

metadata:

name: nginx-pod

spec:

containers:

- name: nginxcontainer

image: nginx:latest

env:

- name: LOG\_LEVEL

valueFrom:

configMapKeyRef:

name: logconfig

key: log\_level

