

### Question 1 of 5

What flag lets you specify the container to connect to?

-C

### Question 2 of 5

What program does the 'proxy' container use when proxying port 80 to the 'server' container?

socat

```
linux@ip-10-102-1-88:~$ kubectl get po
NAME                READY   STATUS    RESTARTS   AGE
pluto-668998df9b-kwprh  2/2     Running   0           3y260d
linux@ip-10-102-1-88:~$ kubectl exec -it pluto-668998df9b-kwprh -c proxy -- /bin/sh
/ # ps
PID    USER      TIME  COMMAND
   1   root         0:00 sh ./scripts/proxy.sh
  291   root         0:00 /bin/sh
  297   root         0:00 socat TCP-LISTEN:80,fork,reuseaddr TCP:127.0.0.1:1243
  298   root         0:00 sleep 10
  299   root         0:00 ps
```

### Question 3 of 5

What port is the 'proxy' container incorrectly redirecting to?

1243

### Question 4 of 5

What is the name of the file you need to change in order to fix the 'proxy' container?

remote\_port.txt

```
/ # cat ./scripts/proxy.sh
#!/usr/bin/env sh

while true
do
  RPORT=`cat /remote_port.txt`
  socat TCP-LISTEN:80,fork,reuseaddr TCP:127.0.0.1:$RPORT &
  RUNNING_PID=$!
  sleep 10
  kill ${RUNNING_PID} 2>/dev/null
done
/ #
/ # cat /remote_port.txt
1243
/ #
```

Question 5 of 5

What is the token on service port 80?

am387gupnx9xg2tpt5zzime6qcaiz2su

```
/ # echo 1234 > /remote_port.txt
/ #
/ # cat /remote_port.txt
1234
/ # exit
linux@ip-10-102-1-88:~$
linux@ip-10-102-1-88:~$ kubectl get svc
NAME          TYPE          CLUSTER-IP      EXTERNAL-IP  PORT(S)    AGE
kubernetes    ClusterIP     10.152.183.1    <none>       443/TCP    3y353d
pluto         ClusterIP     10.152.183.50   <none>       80/TCP     3y261d
linux@ip-10-102-1-88:~$
linux@ip-10-102-1-88:~$ curl 10.152.183.50
am387gupnx9xg2tpt5zzime6qcaiz2su
linux@ip-10-102-1-88:~$
```