Tell me about yourself

2Are you familiar with kubernetes, if yes what is kubermetes?

3Are you familiar with docker-compose if yes what the main difference between docker-compose and kubernetes?

4What does mean by container orchestration?

5According to you what are the major parts of kubernetes

6Where you work right now, do you administer k8s or do you consume k8s ?

7What is the cloud provider that you guys use at EK TECH SOLUTION to mamage your cluster?

8How many clusters do you have a EK TECH SOLUTION and how are they used?

9What are the main components k8s master and what is their functionality

10What will happen if etcd is full ?

11What will happen if API server start misbehaving.

12What do we say the API server is capital in k8s

13What is kubectl use for

14What is the cluster ?

15What are the main compoments nodes?

16What is the smallest elements of the cluster.

can you introduce yourself

2where are the Kubernetes credentials stored and how it is called

3what is k8s object

4what is configmap

5what is secret

6what is the difference and similarity between configmap and secret

7what is seal secret

8how do you sealed a secret in k8s

9how do you manage secret in k8s

10how do you make sure a copy of a pod runs on every node

11how do you manage task in k8s

12how do you make sure you always have a sceptic number of pod in k8s

13what is service in k8s and how do you secure your service in k8s

14what are the difference type of service in k8s

15what is the difference between Kubernetes loadbalancer and ingress

16if your service is type loadbalancer how will you access your application

17what is a node in k8s

18how do you manage multiple applications in k8s

19what is namespace

20what is liveness and readiness probe and what is the difference between them

21can you talk about volume in k8s

22what is the difference between pv and pvc

23what is the difference betwen hostpath and emptydir

24what is deamonset

25what is the defference betwen deployment and statefulset

26what is stateful application

27

28what is the difference between port, targetport and containerport in k8s

29what is a pod

30what is the pod structure

31can you talk about pod lifecycle

32can you talk about permission in k8s

33what is an init container

34what is a sidercar container

35are you familiar with k8s manifest structure

36what is the selector in k8s

37how do you manage autoscaling in k8s

38how can you make sure a pod get deploy only on a specific node

39how do you make sure no po get schedule on a node

40are you familiar with affinity in k8s

41can you talk about pod and container security in k8s

42how do you secure a k8s cluster

43how do you secure an application k8s

44what is your troubleshooting pattern in k8s

45what type of deployment strategy do you use and can you talk about other k8s

46 deployment strategy you know

47how will you make sure k8s always use the image available on your repository at each deployment

48overall, how will you rate your experience in k8s

49how many cluster do you have in your current company ?

50are you familiar with rancher?

Troubleshooting in Kubernetes

well each time something goes wrong in our k8s cluster or one of of our application running inside the cluster  
there are couple of action I will take to fix the problem

for example let us say there is an application having an issue

1- will acknowledge the problem by going through the URL of the application so see the apps behavior  
a- check the app in browser  
b- open the developer tools to check for any network error that will help me get some clues of what is happening  
2- I will login into the appropriate cluster and namespace to check the state of all pod  
3- I will determiner which pod or pods is or having issue ( which pod is not in running state)  
4- i will describe first the entities that gave birth to the pod example deployment or statefulset to have a brief overview of the object issue  
a- kubectl describe deploy --------  
or  
b- kubectl describe sts ----------  
5- I will describe the po that is having issue to find out more about the error, if the error is know to me and easy to fix I will go ahead and do it  
if it is a new error I will have to fo some googling about the error  
6- I will also check the log of the po to see there is anything form the log coming out of the ordinary  
7- also if need be I will also read the j8s troubleshooting chart provided byu the company.  
8- once my pod is up and running again, I will go back into the browser to check if the app is healthy.