Kubernetes real- time interview questions

1. how you do setup Kubernetes cluster

2. what are the components in master node

3. what are the component in slave

4. what is pod

5. what is replicaset object

6. what is deployment object

7. what is service object

8. what is difference between deployment and service

9. if pod exced memory what error will get

10. what is namespace

11. how to communicate from one namespace pod to another namespace pod

12. what is init contianer

13. what is difference between pod and container

14. how many containers can ran i single pod

15. what is secret object

16. what is difference between secret vs configmaps

17. what is daemonset

18. what is scheduler

19. how to run a pod on a particular node

20. what is persistence volume and persistence volume claim

21. what is ambassador container

22. how many service types we have in Kubernetes

23. what is default service type

24. what is difference between ingress and load balancer

25. how to schedule pod in Kubernetes

26. how many masters are there in your cluster

27. what is controller manager

28. what is kubeproxy will do

29. what is controller manager will do

30. what is purpose of api server

31. how to troubleshoot if pod is not running

32. how to scale your pods though the command

33. how to rollback previous version

34. Kubernetes upgrade from one version to another version if certification will expire

35. etcd back and restore how to create a new Kubernetes cluster

36. recent issue in Kubernetes

37. node affinity and pod affinity

38. application has domain external communication how to validate your domain from ingress

39. how do you know about in NACL

40. pod security policy for your container

41. how to add new nodes in cluster

42. what is node port range

spinnaker

helm chart

argocd

eks

kops

kubeadm

EphemeralContainers

aws

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https://kubernetes.io/docs/concepts/services-networking/

https://kubernetes.io/docs/reference/kubernetes-api/workloads-resources/pod-v1/

https://kubernetes.io/blog/2015/06/the-distributed-system-toolkit-patterns/