**Please check below PE profile screening questions.**  
  
**1)Can you brief about the Kubernetes controller manager?**  
Multiple controller processes run on the master node but are compiled together to run as a single process which is the Kubernetes Controller Manager.  
So, Controller Manager is a daemon that embeds controllers and does namespace creation and garbage collection.  
It owns the responsibility and communicates with the API server to manage the end-points.  
  
**2)What is ETCD?**  
Etcd is written in Go programming language and is a distributed  
key-value store used for coordinating distributed work. So,  
Etcd stores the configuration data of the Kubernetes cluster,  
representing the state of the cluster at any given point in time  
  
  
**3) What are the different types of services in Kubernetes?**  
ClusterIp,

Node Port,

Load Balancer,

External Name  
  
  
**4)Why use namespace in Kubernetes?**  
**Namespaces** in Kubernetes are used for dividing cluster resources between users.  
It helps the environment where more than one user spread projects or  
teams and provides a scope of resources.  
  
**5)How to check the layers of the docker image**  
docker history imagename  
  
Please check below PE profile screening questions.  
  
  
**6)How do you get the number of containers running, paused and stopped?**  
docker info  
  
**7)how to remove the docker container?**  
docker stop container\_id; docker rm container\_id  
  
**8)Diffrence between aws public subnet and private subnet?**  
The **instances in the public subnet** can send **outbound traffic directly**  
**to the internet**, whereas the **instances in the private subnet can't**.  
Instead, the **instances in the private subnet** can access the internet  
by using a **network address translation (NAT) gateway** that resides in  
the **public subnet**.  
  
**9)what is userdata in aws?**  
AWS **userdata** is the set of commands/data you can provide to a instance  
at launch time.  
For example if you are launching an ec2 instance and want to have  
docker installed on the newly launched ec2,  
than you can provide set of bash commands in the **userdata** field of aws  
ec2 config page  
  
  
**10) Define all types of Storage Classes in AWS S3?**  
**Standard S3** archiving class  
**S3 Standard Storage Class** for Infrequent Access  
**S3 Reduced Redundancy Storage Class**  
**S3 Glacier Storage Class**