# DEVOPS EASY LEARNING

S5GROUP5
BrainsCells
(K8s Pod Object/
interview questions)

# Questions

1. **Look at the following Pod Object and discuss about it;**
   - Namespace
   - Storage class(sc)
   - Persistence Volume (PV)
   - Persitence Volume Claim (PVC)
   - Hostpath
   - Emptydir
   - Deployment
2. What is the meaning of a pod has unbonded PV?
3. What is dynamic provisioning?
4. What does it mean when you see a pod in pending status?
5. Discuss the meaning of the following:
   - SSL
   - TLS
   - Terminate SSL

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**6. Look at the following architecture and answer the following questions:**
- Can you please give the difference between 1 and 2
- What type of service is this? And why?
- Between Amazon.com and the service, which one terminate SSL.
- Now based on your understanding, can you explain the flow of information from the user to the inside of the cluster with a detailed explanation please.
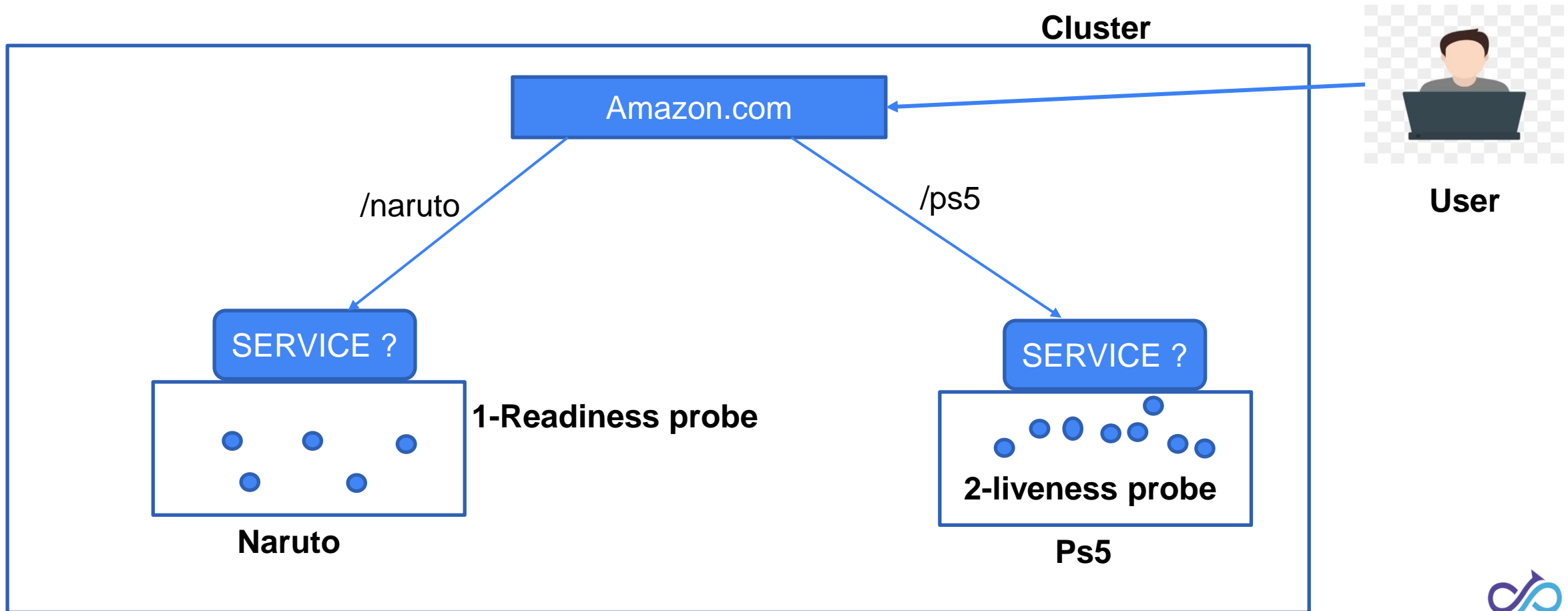
# Interview Questions

1.  What are the k8s pod that allow you to create a pod?
2.  What K8s object that every pod must have?
3.  What are the difference between SC, PV and PVC
4.  What is the namespace use by k8s if you not configure it?
5.  What is the difference between hostpath and emptydir?
6.  What is the difference between stateful and stateless application?
7.  Which k8s object are use to deploy database?
8.  Which k8s object are use to deploy stateful application?
9.  What is a Container?
10. What are docker images?
11. What is a DockerFile?
12. Can you tell what is the functionality of a hypervisor?
13.  What can you tell about Docker Compose?
14. What is the docker command that lists the status of all docker containers?
15. What is docker image registry?
16. How many Docker components are there?
17.  Can you tell the differences between a docker Image and Layer?
18. What is the purpose of the volume parameter in a docker run command?