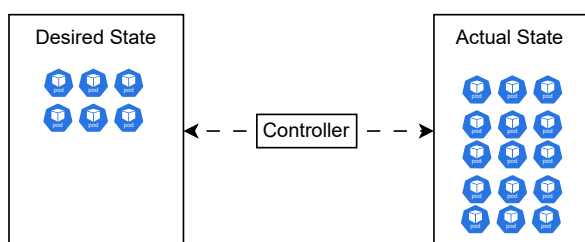Controller Ji ye nginx ka 4 replica hona chahiye...

Controller ek aisi chiz hai jo hmesha cluster ke state ko observe karta hai aur desired state jo apn yaml me likhte hai uspe lane ka koshish karta hai..

Desired State

Actual State

Controller

Controller Types

Replica Set	Deployment	Stateful Set	Daemon Set

Job	CronJob

Agar pod yaml ke andar me likh dia ki 4 replica hona chahiye and agar ek bhi pod crash karta hai toh controller usko jinda kar dega..

Kya pod.yaml level pr autoscaling chala paa rahe the? Nahi...

Controller ke jarie ye autoscaling ka problem bhi solve ho jaega

Controller related Interview Questions
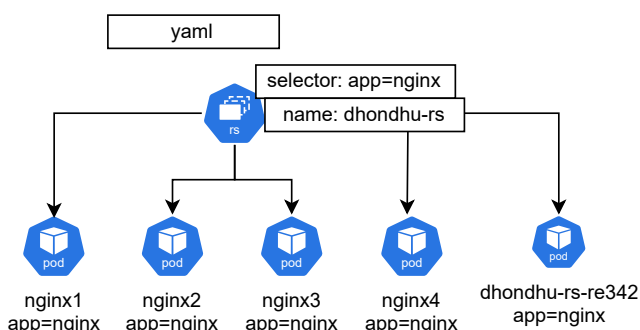Controller ka kaam
ReplicaSet vs Deployment?
StatefulSet vs DaemonSet?
Horizontal Pod Autoscaler ?
Job and Cron Job?

1. Replica Set kya hota hai?
Ek aisa controller hai jo multiple pods ki replicas ko manage karta hai..

yaml

selector: app=nginx

name: dhondhu-rs

nginx1 app=nginx

nginx2 app=nginx

nginx3 app=nginx

nginx4 app=nginx

dhondhu-rs-re342 app=nginx

ReplicaSet Important fields
replicas
selector
template

Advantages of ReplicaSet
Auto Healing Capability of Pods

Home Work
Agar hum chahe same replicaset se ek aur label hai us label ka app=ecommerce hai, kya hum log multiple labels replicasets me dal sakte hai.

Problems in ReplicaSet
No rolling update features
Slight Downtime