1. how to Create a ReplicaSet using nginx image with latest tag (ensure to specify as nginx:latest) and name it nginx-replicaset.

how to Apply labels: app as nginx\_app, type as front-end.

how to Name the container nginx-container. Ensure the replica count is 4.

Ans:-

Deploy ReplicaSet in Kubernetes Cluster

To create a ReplicaSet using the nginx:latest image and name it nginx-replicaset, with the specified labels and container name, you can use the following YAML configuration:

apiVersion: apps/v1

kind: ReplicaSet

metadata:

name: nginx-replicaset

labels:

app: nginx\_app

type: front-end

spec:

replicas: 4

selector:

matchLabels:

app: nginx\_app

template:

metadata:

labels:

app: nginx\_app

type: front-end

spec:

containers:

- name: nginx-container

image: nginx:latest

To apply this configuration, save it to a file (e.g., nginx-replicaset.yaml) and run the following command:

kubectl apply -f nginx-replicaset.yaml

This will create a ReplicaSet with 4 replicas of the nginx:latest container, labeled appropriately. If you have any more questions or need further assistance, feel free to ask!

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