Learning Objectives:-

Perform a rolling update of the container version

Roll back to the previous working state

Problem Statement:-

Your company's developers have just finished developing a new version of their candy-themed mobile game. They are ready to update the backend services that are running in your Kubernetes cluster. There is a deployment in the cluster managing the replicas for this application. The deployment is called candy-deployment.

candy-deployment.yaml

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apiVersion: extensions/v1beta1

kind: Deployment

metadata:

name: candy-deployment

spec:

replicas: 2

selector:

matchLabels:

app: candy-ws

template:

metadata:

labels:

app: candy-ws

spec:

containers:

- image: linuxacademycontent/candy-service:2

name: candy-ws

You have been asked to update the image for the container named candy-ws in this deployment template to a new version, linuxacademycontent/candy-service:3.

After you have updated the image using a rolling update, check on the status of the update to make sure it is working. If it is not working, perform a rollback to the previous state.

Make sure that the rolling update is in such a way that atleast 25% of pods are up and running during update with Zero downtime.