We are following below mentioned best practices for a production grade deployment

* Use a deployment checklist.
* Choose the right deployment tools.
* Use a continuous integration server.
* Adopt continuous delivery.
* Automate your deployment process.
* Monitor your KPIs.
* Have a rollback strategy

PFB YAML for your reference:

apiVersion: scheduling.k8s.io/v1

kind: PriorityClass

metadata:

name: high-priority-nonpreempting

namespace: production

value: 1000000

preemptionPolicy: Never

globalDefault: false

description: "This priority class will not cause other pods to be preempted."

---

apiVersion: v1

kind: Service

metadata:

name: webserver

labels:

app: webserver

spec:

ports:

- port: 8080

targetPort: 8080

selector:

app: webserver

type: LoadBalancer

---

apiVersion: v1

kind: Namespace

metadata:

annotations:

replicas-min: "5"

name: production

---

apiVersion: v1

kind: Namespace

metadata:

annotations:

replicas-max: "8"

name: test

---

apiVersion: apps/v1

kind: Deployment

metadata:

name: webserver

namespace: production

labels:

app: webserver

spec:

replicas: 8

selector:

matchLabels:

app: webserver

template:

metadata:

labels:

app: webserver

spec:

nodeSelector:

sku: linux

imagePullSecrets:

- name: webserver-httpcluster

restartPolicy: Always

containers:

- name: webserver

image: httpwebserver:v1

imagePullPolicy: Always

ports:

- containerPort: 8080

protocol: TCP

resources:

requests:

cpu: "50m"

memory: "60Mi"

limits:

memory: "60Mi"

cpu: "50m"

priorityClassName: high-priority-nonpreempting