**Always validate the result, name, specifications etc..**

**Weight: 6**

Deploy a pod named nginx-pod using the nginx:alpine image.

Once done, click on the Next Question button in the top right corner of this panel. You may navigate back and forth freely between all questions. Once done with all questions, click on End Exam. Your work will be validated at the end and score shown. Good Luck!

* Name: nginx-pod
* Image: nginx:alpine

**Weight: 8**

Deploy a messaging pod using the redis:alpine image with the labels set to tier=msg.

* Pod Name: messaging
* Image: redis:alpine
* Labels: tier=msg

**Weight: 4**

Create a namespace named apx-x9984574.

* Namespace: apx-x9984574

**Weight: 7**

Get the list of nodes in JSON format and store it in a file at /opt/outputs/nodes-z3444kd9.json.

* Task completed

**Weight: 12**

Create a service messaging-service to expose the messaging application within the cluster on port 6379.

Use imperative commands.

* Service: messaging-service
* Port: 6379
* Type: ClusterIp
* Use the right labels

**Weight: 11**

Create a deployment named hr-web-app using the image kodekloud/webapp-color with 2 replicas.

* Name: hr-web-app
* Image: kodekloud/webapp-color
* Replicas: 2

**Weight: 8**

Create a static pod named static-busybox on the controlplane node that uses the busybox image and the command sleep 1000.

* Name: static-busybox
* Image: busybox

**Weight: 12**

Create a POD in the finance namespace named temp-bus with the image redis:alpine.

* Name: temp-bus
* Image Name: redis:alpine

**Weight: 10**

Expose the hr-web-app as service hr-web-app-service application on port 30082 on the nodes on the cluster.

The web application listens on port 8080.

* Name: hr-web-app-service
* Type: NodePort
* Endpoints: 2
* Port: 8080
* NodePort: 30082

kubectl expose deployment hr-web-app --name=hr-web-app-service --type='NodePort' --port=8080

once service created, edit the nodeport.

Always check help

**Weight: 6**

Use JSON PATH query to retrieve the osImages of all the nodes and store it in a file /opt/outputs/nodes\_os\_x43kj56.txt.

The osImages are under the nodeInfo section under status of each node.

* Task Completed

Hint : Check json format, use cheat sheet

**Weight: 8**

Create a Persistent Volume with the given specification: -

**Volume name**: pv-analytics

**Storage**: 100Mi

**Access mode**: ReadWriteMany

**Host path**: /pv/data-analytics

* Is the volume name set?
* Is the storage capacity set?
* Is the accessMode set?