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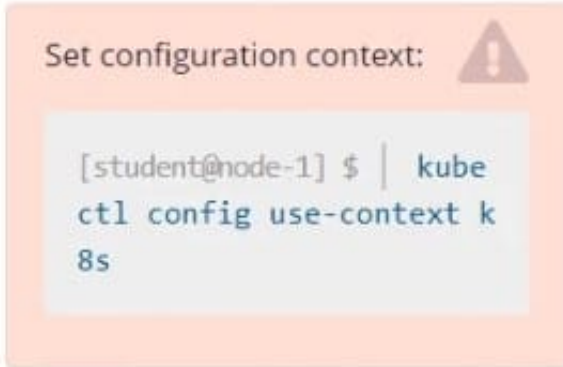
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QUESTION 1

CORRECT TEXT



Task

Schedule a pod as follows:

1.

Name: nginx-kusc00401

2.

Image: nginx

3.

Node selector: disk=ssd

Correct Answer: Check the answer in explanation.

Solution:

```
#yaml apiVersion: v1 kind: Pod metadata: name: nginx-kusc00401 spec: containers:
```

```
-name: nginx image: nginx imagePullPolicy: IfNotPresent nodeSelector: disk: spinning # kubectl create -f node-select.yaml
```

QUESTION 2

Check the Image version of nginx-dev pod using jsonpath

Correct Answer: Check the answer in explanation.

```
kubect1 get po nginx-dev -o jsonpath=\{\.spec.containers[].image}\{"\n"}\'
```

QUESTION 3

List the nginx pod with custom columns POD_NAME and POD_STATUS

Correct Answer: Check the answer in explanation.

Solution

```
kubectl get po -o=custom-columns="POD_NAME:.metadata.name, POD_STATUS:.status.containerStatuses[].state"
```

QUESTION 4

CORRECT TEXT



Context

You have been asked to create a new ClusterRole for a deployment pipeline and bind it to a specific ServiceAccount scoped to a specific namespace.

Task

Create a new ClusterRole named deployment-clusterrole, which only allows to create the following resource types:

1.

Deployment

2.

StatefulSet

3.

DaemonSet

Create a new ServiceAccount named cidc-token in the existing namespace app-team1.

Bind the new ClusterRole deployment-clusterrole to the new ServiceAccount cidc-token, limited to the namespace app-team1.

Correct Answer: Check the answer in explanation.

Task should be complete on node k8s -1 master, 2 worker for this connect use command [student@node-1] > ssh k8s
kubectl create clusterrole deployment-clusterrole --verb=create -- resource=deployments,statefulsets,daemonsets
kubectl create serviceaccount cicd-token --namespace=app-team1 kubectl create rolebinding deployment-clusterrole
--clusterrole=deployment-clusterrole -- serviceaccount=default:cicd-token --namespace=app-team1

QUESTION 5

Create a nginx pod with label env=test in engineering namespace .

Correct Answer: Check the answer in explanation.

```
kubectl run nginx --image=nginx --restart=Never --labels=env=test --namespace=engineering --dry-run -o yaml > nginx-pod.yaml  
kubectl run nginx --image=nginx --restart=Never --labels=env=test --namespace=engineering --dry-run -o yaml | kubectl create -n engineering -f YAML File:
```

apiVersion: v1 kind: Pod metadata: name: nginx namespace: engineering labels: env: test spec: containers:

-name: nginx image: nginx imagePullPolicy: IfNotPresent restartPolicy: Never

```
kubectl create -f nginx-pod.yaml
```

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