➪Vendor: Linux Foundation

➪Exam Code: CKA

➪Exam Name: Certified Kubernetes Administrator (CKA) Program Exam

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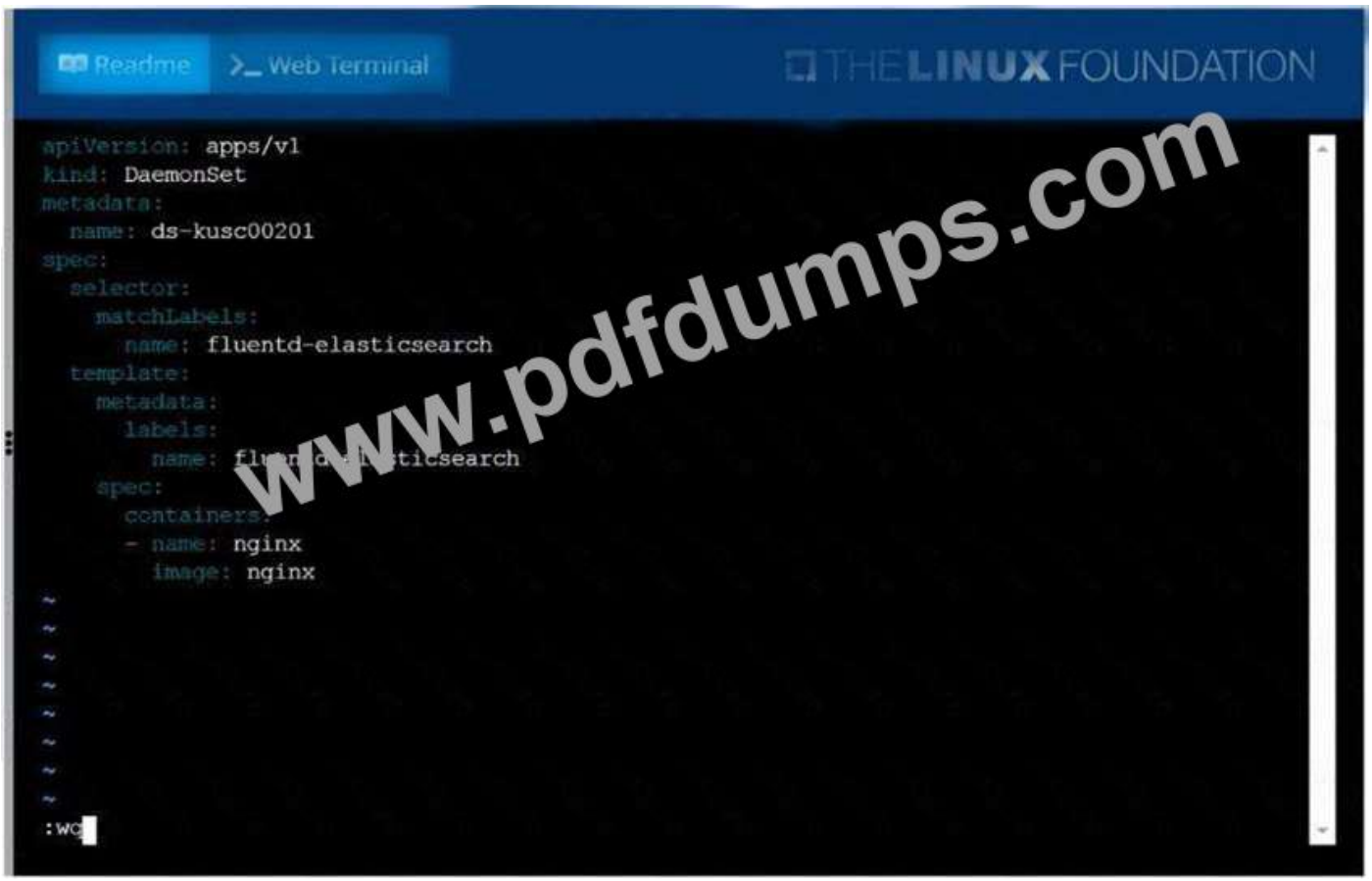
# Linux Foundation

NEW QUESTION 32
create a pod in a specific node (node1) by placing the pod definition file in a particular folder "/etc/kubernetes/manifests".
A. Generate YAML before we SSH to the specific node, then copy the YAML into the exam notepad to use it after SSH into worker node.
SSH to the node: "ssh node1"
Gain admin privileges to the node: "sudo -i"
Move to the manifest-path "cd /etc/kubernetes/manifests"
Place the generated YAML into the folder "vi nginx.yaml"
Find the kubelet config file path "ps -aux | grep kubelet" . This
will output information on kubelet process. Locate the kubelet config
file location.
kubelet config file -- /var/lib/kubelet/config.yaml
Edit the config file "vi /var/lib/kubelet/config.yaml" to add
staticPodPath
staticPodPath: /etc/kubernetes/manifests
Restart the kubelet "systemctl restart kubelet"
B. Generate YAML before we SSH to the specific node, then copy the YAML into the exam notepad to use it after SSH into worker node.
SSH to the node: "ssh node1"
Gain admin privileges to the node: "sudo -i"
Move to the manifest-path "cd /etc/kubernetes/manifests"

kubelet config file -- /var/lib/kubelet/config.yaml
Edit the config file "vi /var/lib/kubelet/config.yaml" to add
staticPodPath
staticPodPath: /etc/kubernetes/manifests
Restart the kubelet "systemctl restart kubelet"
**Answer: A**

NEW QUESTION 33
Ensure a single instance of pod nginx is running on each node of the Kubernetes cluster where nginx also represents the Image name which has to be used. Do not override any taints currently in place.
Use DaemonSet to complete this task and use ds-kusc00201 as DaemonSet name.
**Answer:**
Explanation:
See the solution below.
Explanation
solution


NEW QUESTION 34
Check to see how many worker nodes are ready (not including nodes tainted NoSchedule) and write the number to /opt/KUCC00104/kucc00104.txt.

Answer:

Explanation:
See the solution below.
Explanation
solution
F:\Work\Data Entry Work\Data Entry\20200827\CKA\15 B.JPG


F:\Work\Data Entry Work\Data Entry\20200827\CKA\15 C.JPG

NEW QUESTION 35
Delete persistent volume and persistent volume claim
Answer:
Explanation:
kubectl delete pvc task-pv-claim kubectl delete pv task-pv-volume // Verify Kubectl get pv,pvc

NEW QUESTION 36
Undo the deployment with the previous version and verify
everything is Ok
Answer:
Explanation:
kubectl rollout undo deploy webapp kubectl rollout status deploy webapp kubectl get pods

NEW QUESTION 37
Create a redis pod named "test-redis" and exec into that pod and create a file named "test-file.txt" with the text 'This is called the test file' in the path /data/redis and open another tab and exec again with the same pod and verifies file exist in the same path.
A. vim test-redis.yaml
apiVersion: v1
kind: Pod
metadata:
name: test-redis
spec:
containers:
- name: redis
image: redis
ports:
- containerPort: 6379
volumeMounts:
- mountPath: /data/redis
name: redis-storage
volumes:
- name: redis-storage
emptyDir: {}
kubectl apply -f redis-pod-vol.yaml
// first terminal
kubectl exec -it test-redis /bin/sh
cd /data/redis
echo 'This is called the test file' > file.txt
//open another tab
kubectl exec -it test-redis /bin/sh
cat /data/redis/file.txt
B. vim test-redis.yaml
apiVersion: v1
kind: Pod
metadata:

name: test-redis
spec:
containers:
- name: redis
image: redis
ports:
- containerPort: 6379
volumeMounts:
- mountPath: /data/redis
name: redis-storage
volumes:
kubectl exec -it test-redis /bin/sh
cd /data/redis
echo 'This is called the test file' > file.txt
//open another tab
kubectl exec -it test-redis /bin/sh
cat /data/redis/file.txt
**Answer: A**

**NEW QUESTION 38**
Print all pod name and all image name and write it to a file
name "/opt/pod-details.txt"
**Answer:**
Explanation:
kubectl get pods -o=custom-columns='Pod Name:metadata.name','Image:spec.containers[*].image' > /opt/pod-details.txt

**NEW QUESTION 39**
Create a redis pod and expose it on port 6379
A. kubectl run redis --image=redis --restart=Never --port=6379
YAML File :
apiVersion: v1
kind: Pod
metadata:
labels:
run: redis
name: redis
spec:
containers:
- image: redis
name: redis
ports:
- containerPort: 6379
Rt restartPolicy: Always
B. kubectl run redis --image=redis --restart=Never --port=6379
YAML File :

apiVersion: v1
kind: Pod
metadata:
labels:
run: redis
name: redis
spec:
containers:
ports:
- containerPort: 6679
Rt restartPolicy: Alwaysf
**Answer: A**

**NEW QUESTION 40**
Get the deployment rollout status
**Answer:**
Explanation:
kubectl rollout status deploy webapp

**NEW QUESTION 41**
Create the service as type NodePort with the port 32767 for the nginx pod with the pod selector app: my-nginx
**Answer:**
Explanation:
kubectl run nginx --image=nginx --restart=Never -- labels=app=nginx --port=80 --dry-run -o yaml > nginx-pod.yaml

**NEW QUESTION 42**
Create a snapshot of the etcd instance running at https://127.0.0.1:2379, saving the snapshot to the file path
/srv/data/etcd-snapshot.db.
The following TLS certificates/key are supplied for connecting to the server with etcdctl:
* CA certificate: /opt/KUCM00302/ca.crt
* Client certificate: /opt/KUCM00302/etcd-client.crt
* Client key: Topt/KUCM00302/etcd-client.key
**Answer:**
Explanation:
See the solution below.
Explanation
solution

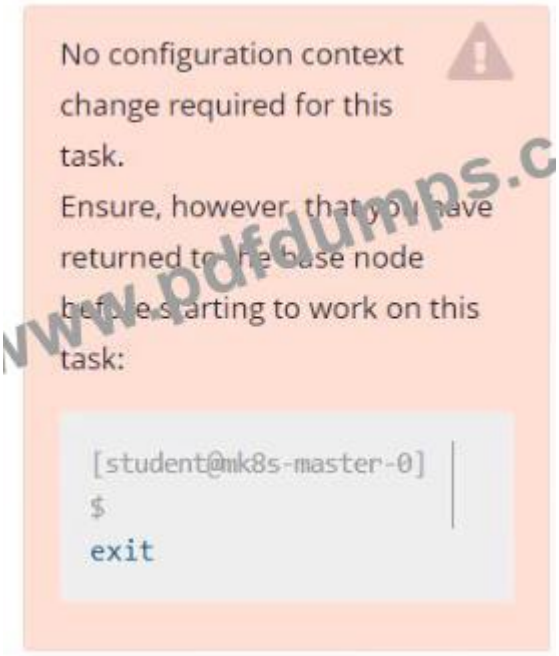



NEW QUESTION 43
Create a namespace called 'development' and a pod with image nginx called nginx on this namespace.
Answer:
Explanation:
kubectl create namespace development kubectl run nginx --image=nginx --restart=Never -n development

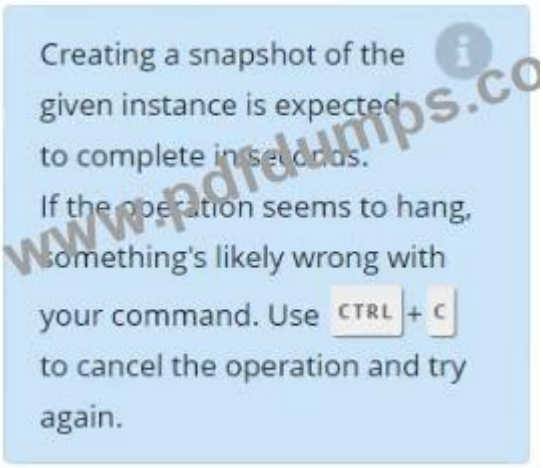
NEW QUESTION 44
Create a pod named kucc8 with a single app container for each of the following images running inside (there may be between 1 and 4 images specified):
nginx + redis + memcached.
Answer:
Explanation:
solution



NEW QUESTION 45
Score: 7%




Task
First, create a snapshot of the existing etcd instance running at https://127.0.0.1:2379, saving the snapshot to
/srv/data/etcd-snapshot.db.




Next, restore an existing, previous snapshot located at /var/lib/backup/etcd-snapshot-previo us.db


**Answer:**

Explanation:

See the solution below.

Explanation

Solution:

#backup

ETCDCTL_API=3 etcdctl --endpoints="https://127.0.0.1:2379" --cacert=/opt/KUIN000601/ca.crt --cert=/opt/KUIN000601/etcd-client.crt --key=/opt/KUIN000601/etcd-client.key snapshot save /etc/data/etcd-snapshot.db

#restore

ETCDCTL_API=3 etcdctl --endpoints="https://127.0.0.1:2379" --cacert=/opt/KUIN000601/ca.crt --cert=/opt/KUIN000601/etcd-client.crt --key=/opt/KUIN000601/etcd-client.key snapshot restore /var/lib/backup/etcd-snapshot-previoys.db

NEW QUESTION 46

Create a deployment spec file that will:
Launch 7 replicas of the nginx Image with the label app_runtime_stage=dev deployment name: kual00201
Save a copy of this spec file to /opt/KUAL00201/spec_deployment.yaml (or /opt/KUAL00201/spec_deployment.json).
When you are done, clean up (delete) any new Kubernetes API object that you produced during this task.

**Answer:**

Explanation:
solution




NEW QUESTION 47

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