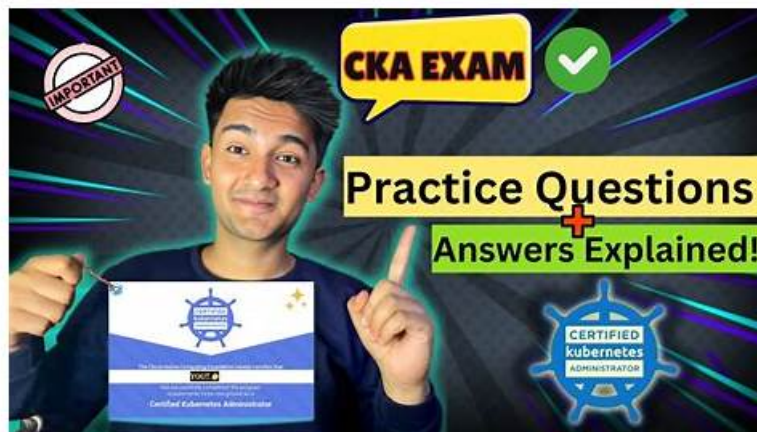


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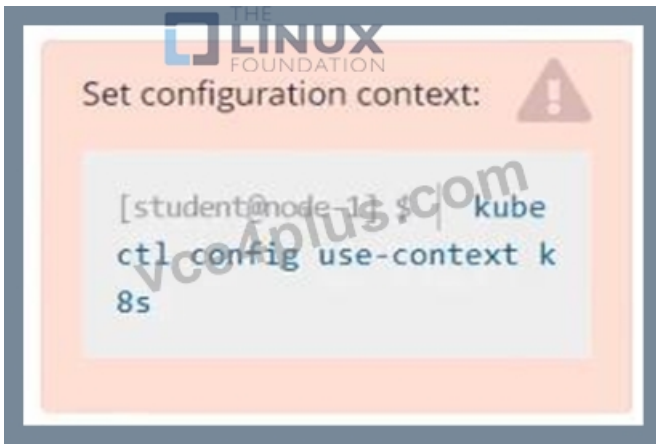
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Linux Foundation Certified Kubernetes Administrator (CKA) Program Exam Sample Questions (Q37-Q42):

NEW QUESTION # 37

Score: 4%



Task

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:

See the solution below.

Explanation

Solution:

```
kubectl run kucc8 --image=nginx --dry-run -o yaml > kucc8.yaml
```

```
# vi kucc8.yaml
```

```
apiVersion: v1
```

```
kind: Pod
```

```
metadata:
```

```
creationTimestamp: null
```

```
name: kucc8
```

```
spec:
```

```
containers:
```

```
- image: nginx
```

```
name: nginx
```

```
- image: redis
```

```
name: redis
```

```
- image: memcached
```

```
name: memcached
```

```
- image: consul
```

```
name: consul
```

```
#
```

```
kubectl create -f kucc8.yaml
```

```
#12.07
```

NEW QUESTION # 38

A bootstrap USB flash drive has been prepared using a Linux workstation to load the initial configuration of a Palo Alto Networks firewall. The USB flash drive was formatted using file system ntfs and the initial configuration is stored in a file named init-cfg.txt.

The contents of Init-cfg.txt in the USB flash drive are as follows:

```
type=static
```

```
ip-address=10.5.107.19
```

```
default-gateway=10.5.107.1
```

```
netmask=255.255.255.0
```

```
Ipv6-address=2001:400:100::1/64
```

```
ipv6-default-gateway=2001:400:100::2
```

```
hostname=Ca-FW-DC1
```

```
panorama-server=10.5.107.20
```

```
panorama-server-2=10.5.107.21
```

```
tplname=FINANCE TG4
```

```
dname=finance_dg
```

```
dns-primary=10.5.6.6
op-command-modes multi-vsyt.jumbo-frame
dhcp-send-hostname=no
dhcp-send-client-id=no
dhcp-accept-server-hostname=no
dhcp-accept-server-domain=no
```

The USB flash drive has been inserted in the firewalls' USB port, and the firewall has been powered on. Upon boot, the firewall fails to begin the bootstrapping process. The failure is caused because:

- A. The bootstrap.xml file is a required file, but it is missing
- B. There must be commas between the parameter names and their values instead of the equal symbols
- C. The USB drive has been formatted with an unsupported file system
- D. nit-cfg bit is an incorrect filename the correct filename should be init-ofg.xml
- E. The USB must be formatted using the ext4 file system

Answer: E

NEW QUESTION # 39

You have a Deployment running a web application with three replicas. The application is exposed using a 'NodePort' service. You need to configure the service so that it allows traffic only from specific IP addresses (e.g., 192.168.1.10, 192.168.1.20).

Answer:

Explanation:

See the solution below with Step by Step Explanation.

Explanation:

Solution (Step by Step) :

1. Create a NetworkPolicy:

- Define a NetworkPolicy resource that allows traffic from the specified IP addresses to the Deployment pods.

```
apiVersion: networking.k8s.io/v1
kind: NetworkPolicy
metadata:
  name: allow-specific-ips
  namespace:
spec:
  podSelector:
    matchLabels:
      app: webapp # Match label of your deployment
  ingress:
    - from:
      - ipBlock:
          cidr: 192.168.1.10/32
      - ipBlock:
          cidr: 192.168.1.20/32
```

2. Apply the NetworkPolicy: - Apply the YAML file using 'kubectl apply -f networkpolicy.yaml'. 3. Verify the NetworkPolicy: - Check the status of the NetworkPolicy using 'kubectl get networkpolicies allow-specific-ips -n'. 4. Test the Access: - Attempt to access the web application from the allowed IP addresses. You should be able to access it. - Try to access the application from other IP addresses. You should not be able to access it. Note: Replace " with the actual namespace where your Deployment and NetworkPolicy are located.

NEW QUESTION # 40

Score: 5%



Task

From the pod label name=cpu-utilizer, find pods running high CPU workloads and write the name of the pod consuming most CPU to the file /opt/KUTR00401/KUTR00401.txt (which already exists).

Answer:

Explanation:

Solution:

kubectl top -l name=cpu-user -A

echo 'pod name' >> /opt/KUT00401/KUT00401.txt

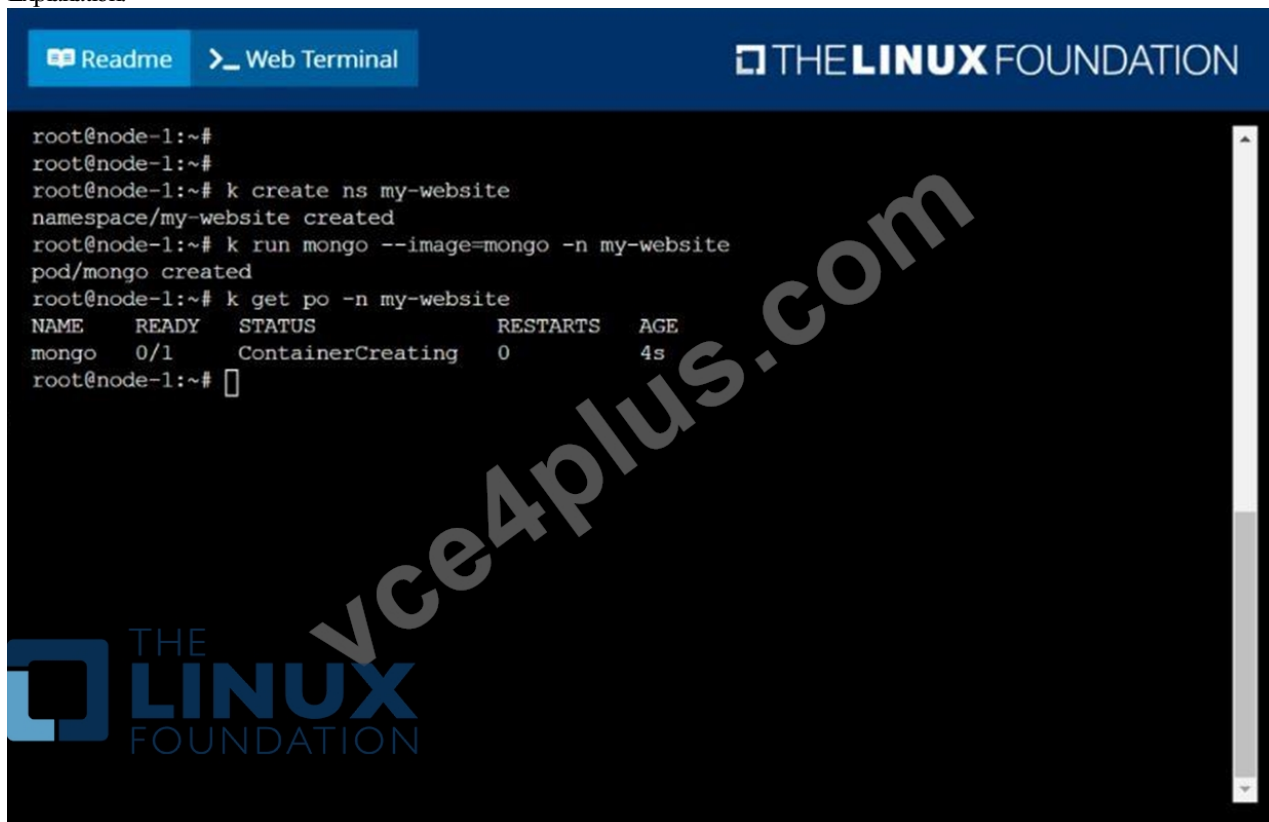
NEW QUESTION # 41

Create a pod as follows:

- * Name: mongo
- * Using Image: mongo
- * In a new Kubernetes namespace named: my-website

Answer:

Explanation:



NEW QUESTION # 42

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