CKA Test Braindumps: Certified Kubernetes Administrator (CKA) Program Exam & CKA Exam Guide & CKA Study Guide

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We have organized a group of professionals to revise CKA preparation materials, according to the examination status and trend changes in the industry, tailor-made for the candidates. The simple and easy-to-understand language of CKA guide torrent frees any learner from studying difficulties. In particular, our experts keep the CKA real test the latest version, they check updates every day and send them to your e-mail in time, making sure that you know the latest news.

The CKA exam is a hands-on, performance-based exam that tests an individual's ability to perform tasks related to Kubernetes administration. CKA exam consists of a set of performance-based tasks that must be completed within a three-hour time limit. CKA exam is designed to test an individual's ability to perform real-world tasks related to Kubernetes administration.

The CKA certification is recognized globally and is highly regarded by employers in the IT industry. Holding a CKA certification demonstrates an individual's ability to manage Kubernetes clusters effectively, which is a highly sought-after skill in today's job market. The CKA Certification also provides individuals with access to a global community of certified professionals who can share knowledge and best practices in Kubernetes administration. The CKA exam is a valuable investment for individuals who want to enhance their career prospects and stay up-to-date with the latest technologies in the industry.

>> CKA Test Guide <<

Accurate CKA Test Guide & Leader in Qualification Exams & Trustworthy Linux Foundation Certified Kubernetes Administrator (CKA) Program Exam

This is similar to the CKA desktop format but this is browser-based. It requires an active internet connection to run and is compatible with all browsers such as Google Chrome, Mozilla Firefox, Opera, MS Edge, Safari, Internet Explorer, and others. The Linux Foundation CKA Mock Exam helps you self-evaluate your Linux Foundation CKA exam preparation and mistakes. This way you improve consistently and attempt the CKA certification exam in an optimal way for excellent results in the exam.

Linux Foundation Certified Kubernetes Administrator (CKA) Program Exam Sample Questions (Q81-Q86):

NEW QUESTION # 81
Create a configmap called cfgvolume with values var1=val1,
var2=val2 and create an nginx pod with volume nginx-volume which
reads data from this configmap cfgvolume and put it on the path
/etc/cfg

- A. // first create a configmap cfgvolume
  kubectl create cm cfgvolume --from-literal=var1=val1 --fromliteral=var2=val2
  // verify the configmap
  kubectl describe cm cfgvolume
  // create the config map
  kubectl create -f nginx-volume.yml
  vim nginx-configmap-pod.yaml
  apiVersion: v1
  kind: Pod
  - name: nginx-volume
  configMap:
  name: cfgvolume
  containers:
  - image: nginx
  name: nginx
  volumeMounts:
  - name: nginx-volume
  mountPath: /etc/cfg
  restartPolicy: Always
  k kubectl apply -f nginx-configmap-pod.yaml
  / // Verify
  // exec into the pod
  kubectl exec -it nginx -- /bin/sh
  // check the path
  cd /etc/cfg
- B. // first create a configmap cfgvolume
  kubectl create cm cfgvolume --from-literal=var1=val1 --fromliteral=var2=val2
  // verify the configmap
  kubectl describe cm cfgvolume
  // create the config map
  kubectl create -f nginx-volume.yml
  vim nginx-configmap-pod.yaml
  apiVersion: v1
  kind: Pod
  metadata:
  labels:
  run: nginx
  name: nginx
  spec:
  volumes:
  - name: nginx-volume
  configMap:
  name: cfgvolume
  containers:
  - image: nginx
  name: nginx
  volumeMounts:
  - name: nginx-volume
  mountPath: /etc/cfg
  restartPolicy: Always
  k kubectl apply -f nginx-configmap-pod.yaml
  / // Verify
  // exec into the pod
  kubectl exec -it nginx -- /bin/sh
  // check the path
  cd /etc/cfg

Answer: B

NEW QUESTION # 82
For this item, you will havetosshto the nodesik8s-master-0andik8s-node-0and complete all tasks on thesenodes. Ensure that you return tothe base node (hostname:node-1) when you havecompleted this item.
Context
As an administrator of a smalldevelopment team, you have beenasked to set up a Kubernetes clusterto test the viability of a newapplication.
Task
You must usekubeadmto performthis task. Anykubeadminvocationswill require the use of the --ignore-preflight-errors=alloption.
* Configure thenodeik8s-master-Oas a masternode. .
* Join the nodeik8s-node-otothe cluster.

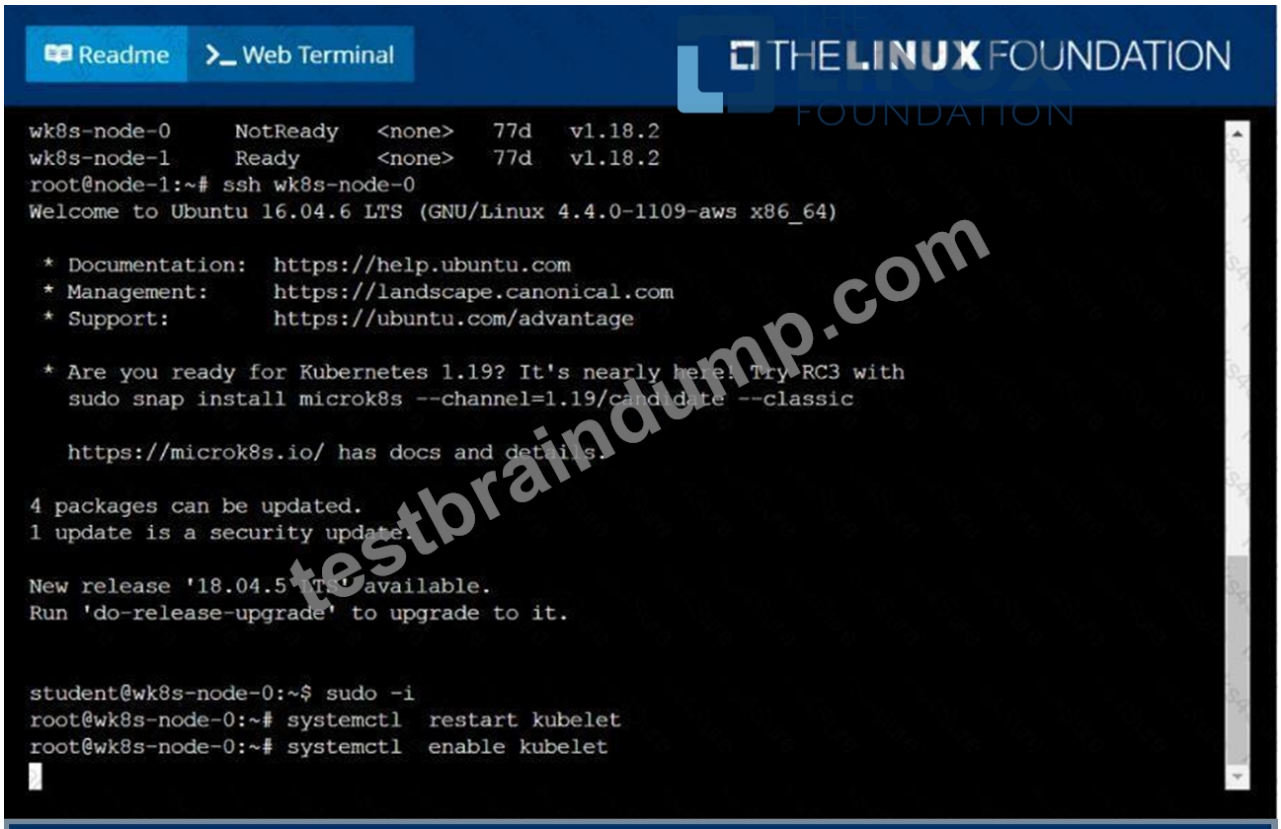
Answer:

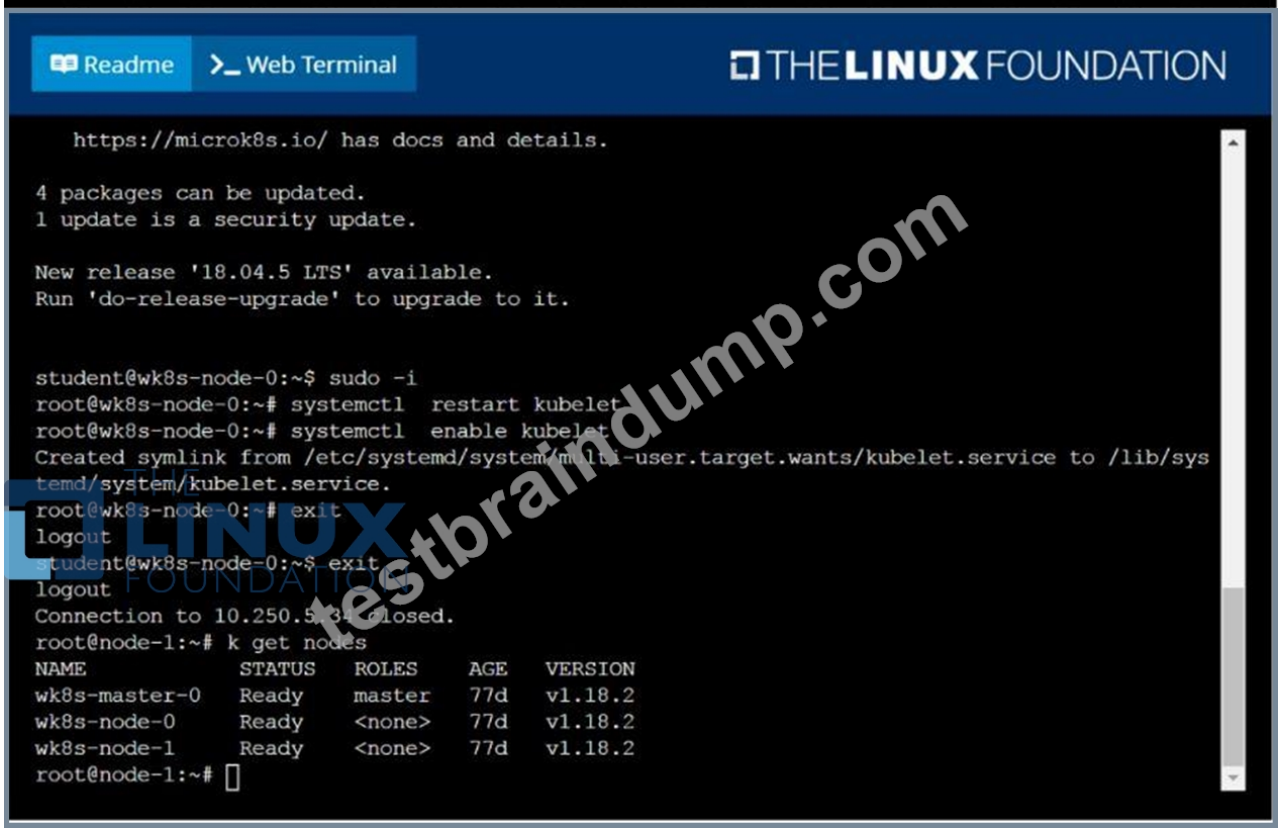
Explanation:
See the solution below.
Explanation
solution
You must use thekubeadmconfiguration file located at when initializingyour cluster.
You may use any CNI pluginto complete this task, but ifyou don't have your favouriteCNI plugin's manifest URL athand, Calico is one popularoption:https://docs.projectcalico.org/v3.14/manifests/calico.yaml Docker is already installedon both nodes and hasbeen configured so that you caninstall the required tools.

NEW QUESTION # 83
A Kubernetes worker node, named wk8s-node-0 is in state NotReady. Investigate why this is the case, and perform any appropriate steps to bring the node to a Ready state, ensuring that any changes are made permanent.
You can ssh to the failed node using:
[student@node-1] $ | ssh Wk8s-node-0
You can assume elevated privileges on the node with the following command:
[student@w8ks-node-0] $ | sudo -i

Answer:

Explanation:



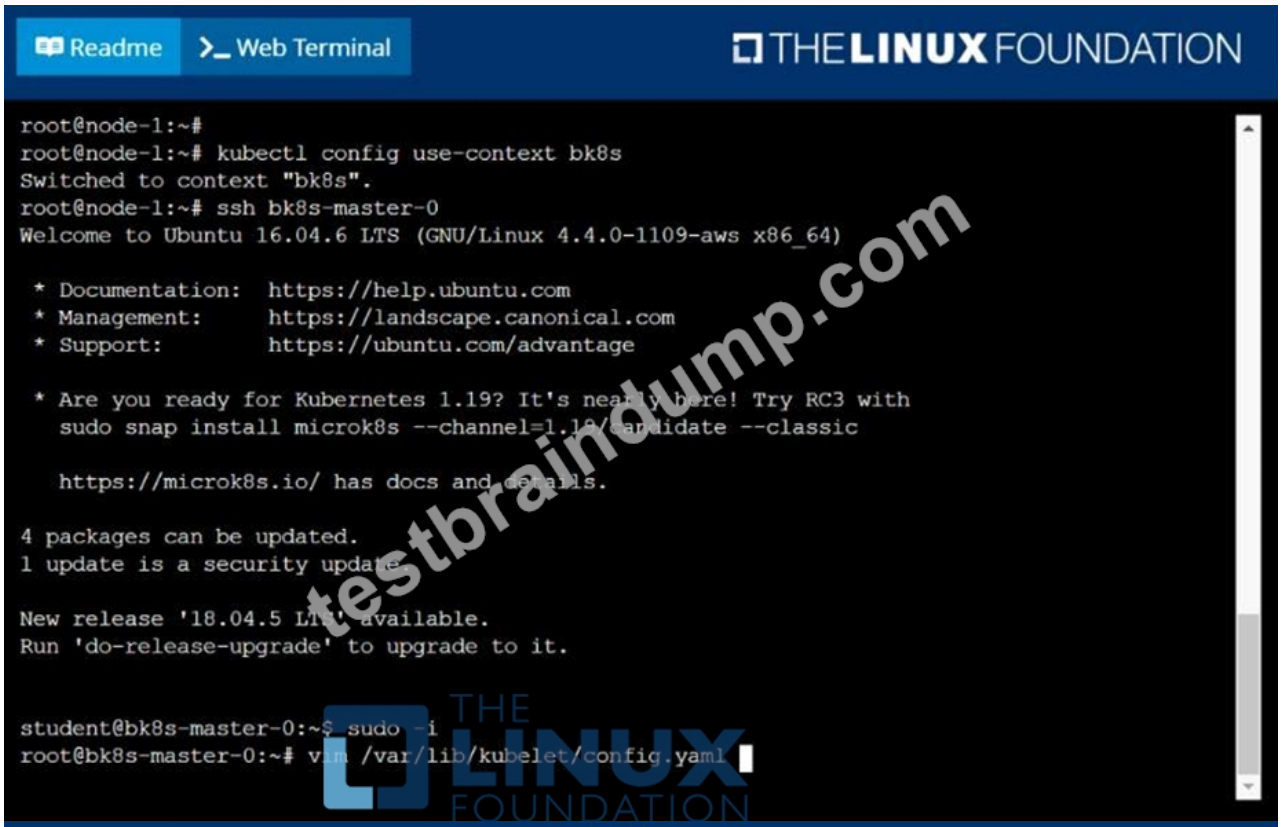


NEW QUESTION # 84
Given a partially-functioning Kubernetes cluster, identify symptoms of failure on the cluster.
Determine the node, the failing service, and take actions to bring up the failed service and restore the health of the cluster. Ensure that any changes are made permanently.
You can ssh to the relevant I nodes (bk8s-master-0 or bk8s-node-0) using:
[student@node-1] $ ssh <nodename>
You can assume elevated privileges on any node in the cluster with the following command:

[student@nodename] $ | sudo -i

Answer:

Explanation:
solution



NEW QUESTION # 85
You need to set up a load balancer for your Nginx service with the following requirements:
- Session affinity: Preserve client sessions across multiple pods, even if the pod is restarted or rescheduled.
- Health checks: Regularly check the health of Nginx pods and automatically remove unhealthy pods from the load balancer pool.
- Custom header: Add a custom header with the name "X-App-Version" and value "vl .0" to all requests to your Nginx service.
How would you configure your Kubernetes resources to meet these requirements?

Answer:

Explanation:
See the solution below with Step by Step Explanation.
Explanation:
Solution (Step by Step) :
1. Define the Service:
- Create a Service of type "LoadBalancer" for your Nginx service.
- Include the sessionAffinity' field with a value of 'ClientIP' to enable client IP-based session affinity.
- Example:

```
apiVersion: v1
kind: Service
metadata:
  name: nginx-service
spec:
  type: LoadBalancer
  selector:
    app: nginx
  sessionAffinity: ClientIP
  ports:
  - protocol: TCP
    port: 80
    targetPort: 80
```

2. Configure the Deployment: - In your Nginx Deployment, define a liveness probe and readiness probe to check the health of your Nginx containers. - Example:

```yaml
apiVersion: apps/v1
kind: Deployment
metadata:
  name: nginx-deployment
spec:
  replicas: 2
  selector:
    matchLabels:
      app: nginx
  template:
    metadata:
      labels:
        app: nginx
    spec:
      containers:
      - name: nginx
        image: nginx:latest
        livenessProbe:
          tcpSocket:
            port: 80
          initialDelaySeconds: 15
          periodSeconds: 20
          failureThreshold: 3
        readinessProbe:
          tcpSocket:
            port: 80
          initialDelaySeconds: 5
          periodSeconds: 10
          failureThreshold: 2
```

3. Implement the Custom Header: - Configure an Ingress resource with the nginx.ingress.kubernetes.io/add-request-headeo annotation. - Example:

```yaml
apiVersion: networking.k8s.io/v1
kind: Ingress
metadata:
  name: nginx-ingress
  annotations:
    nginx.ingress.kubernetes.io/add-request-header: "X-App-Version: v1.0"
spec:
  rules:
  - host: example.com
    http:
      paths:
      - path: /
        backend:
          service:
            name: nginx-service
            port:
              number: 80
```

4. Apply the Configurations: - Apply the updated Service, Deployment, and Ingress resources using 'kubectl apply -f service.yaml -f deployment.yaml -f ingress.yamr. 5. Verify the Load Balancer: - Access the Nginx service using the external IP address provided by the LoadBalancer. - Verify session affinity by making multiple requests and observing that they are consistently routed to the same pod. - Check the "X-App-Version" header in the responses to confirm that it is set to "vl .0".

NEW QUESTION # 86
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TestBraindump has designed highly effective Linux Foundation CKA exam questions and an online CKA practice test engine to help candidates successfully clear the Certified Kubernetes Administrator (CKA) Program Exam exam. These two simple, easy, and accessible learning formats instill confidence in candidates and enable them to learn all the basic and advanced concepts required to pass the Certified Kubernetes Administrator (CKA) Program Exam (CKA) Exam.

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