First Attempt Guaranteed Success in CKA Exam 2023 [Q13-Q32

First Attempt Guaranteed Success in CKA Exam 2023 Real CKA Exam Questions are the Best Preparation Material

How much CNCF CKA Certification Exam Cost and Details - No. of Questions: 17 Questions- Examination Fees: $375 USD- Types of questions: Multiple Choice Questions- Retake Exam: Free- Examination Name: CNCF CKA Certification

NO.13 List all the pods showing name and namespace with a json path expression
kubectl get pods -o=jsonpath=”{.items[*][‘metadata.name’,

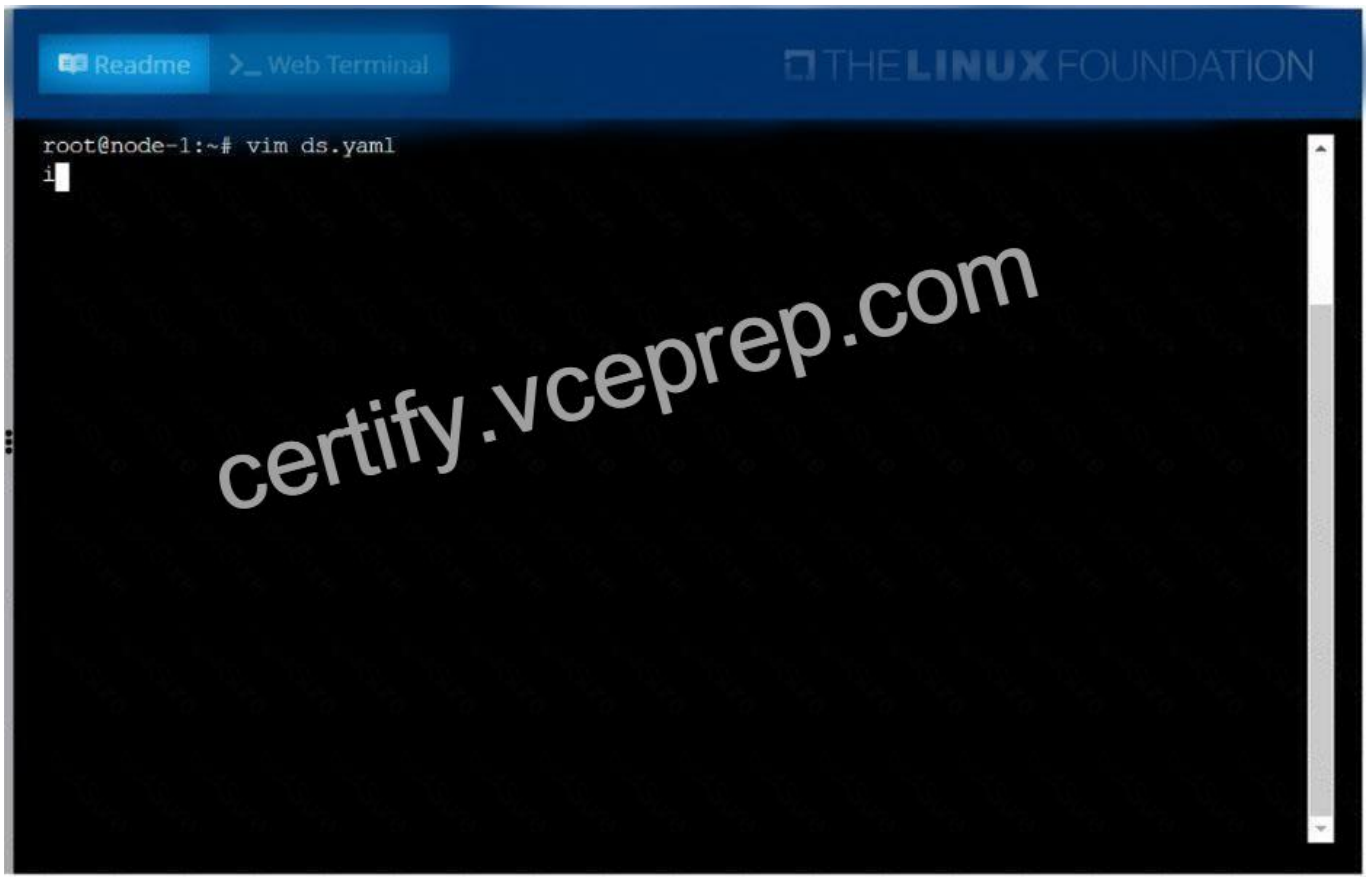
‘metadata.namespace’]}”

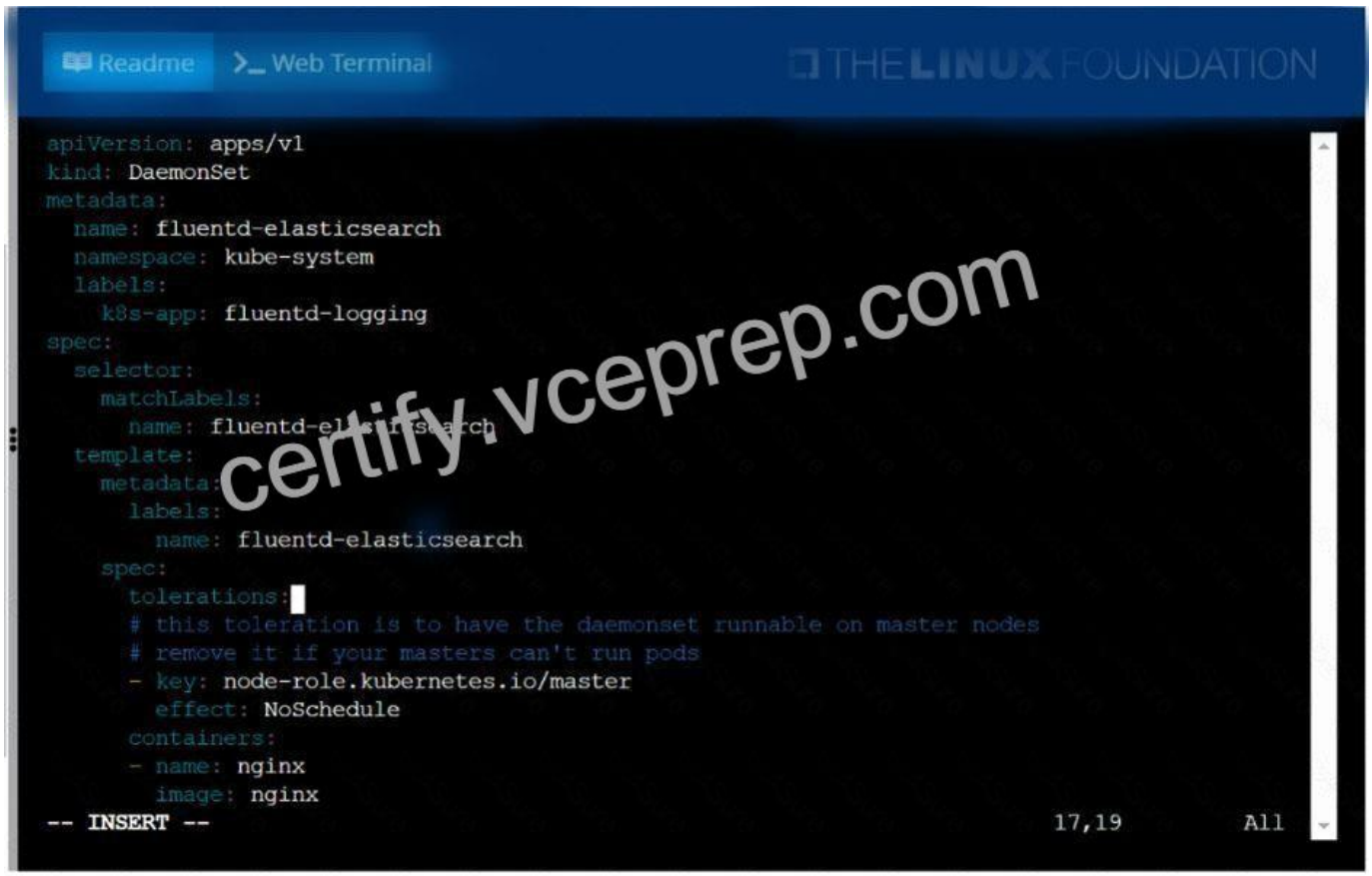
NO.14 Ensure a single instance of podnginxis running on each node of theKubernetes cluster whereenginxalso represents the Image name whichhas to be used. Do not override anytaints currently in place.

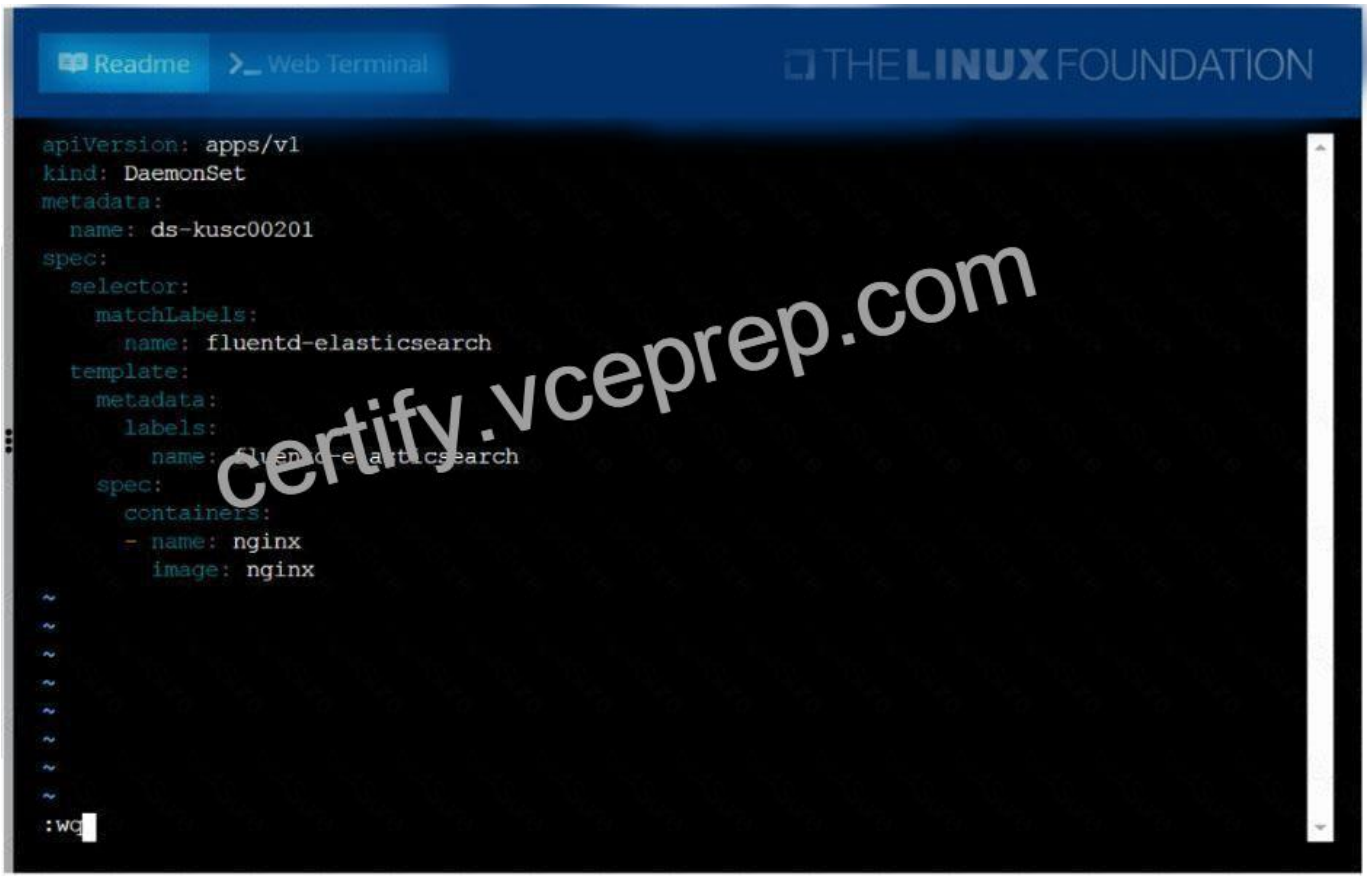
UseDaemonSetto complete thistask and useds-kusc00201asDaemonSet name.
See the solution below.

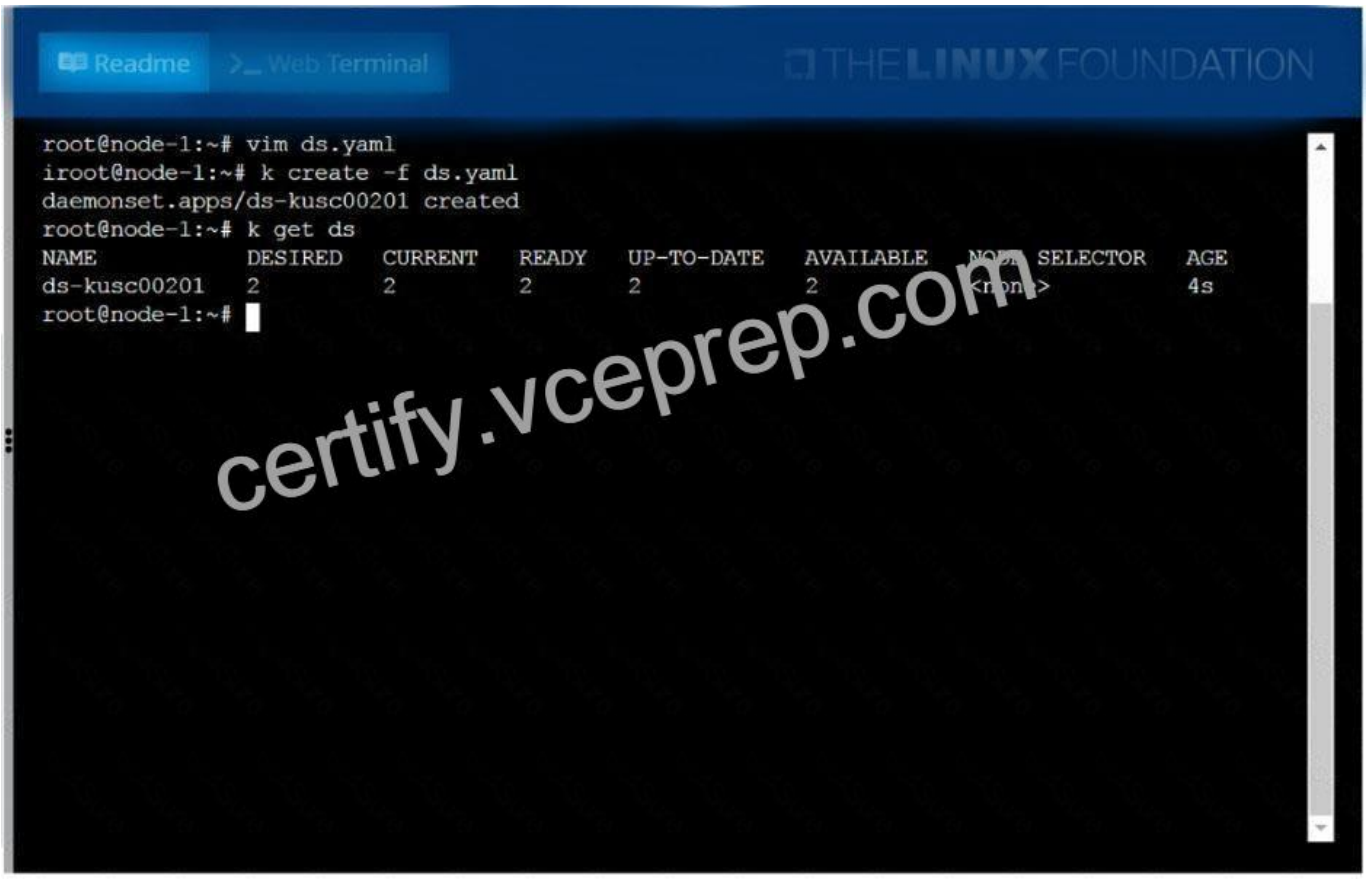
Explanation

solution


Readme
Web Terminal
THE LINUX FOUNDATION
root@node-1:~# vim ds.yaml
i
certify.vceprep.com


Readme
Web Terminal
THE LINUX FOUNDATION
apiVersion: apps/v1
kind: DaemonSet
metadata:
name: fluentd-elasticsearch
namespace: kube-system
labels:
k8s-app: fluentd-logging
spec:
selector:
matchLabels:
name: fluentd-elasticsearch
template:
metadata:
labels:
name: fluentd-elasticsearch
spec:
tolerations:
this toleration is to have the daemonset runnable on master nodes
remove it if your masters can't run pods
- key: node-role.kubernetes.io/master
effect: NoSchedule
containers:
- name: nginx
image: nginx
-- INSERT --
17,19
All
certify.vceprep.com





NO.15 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:

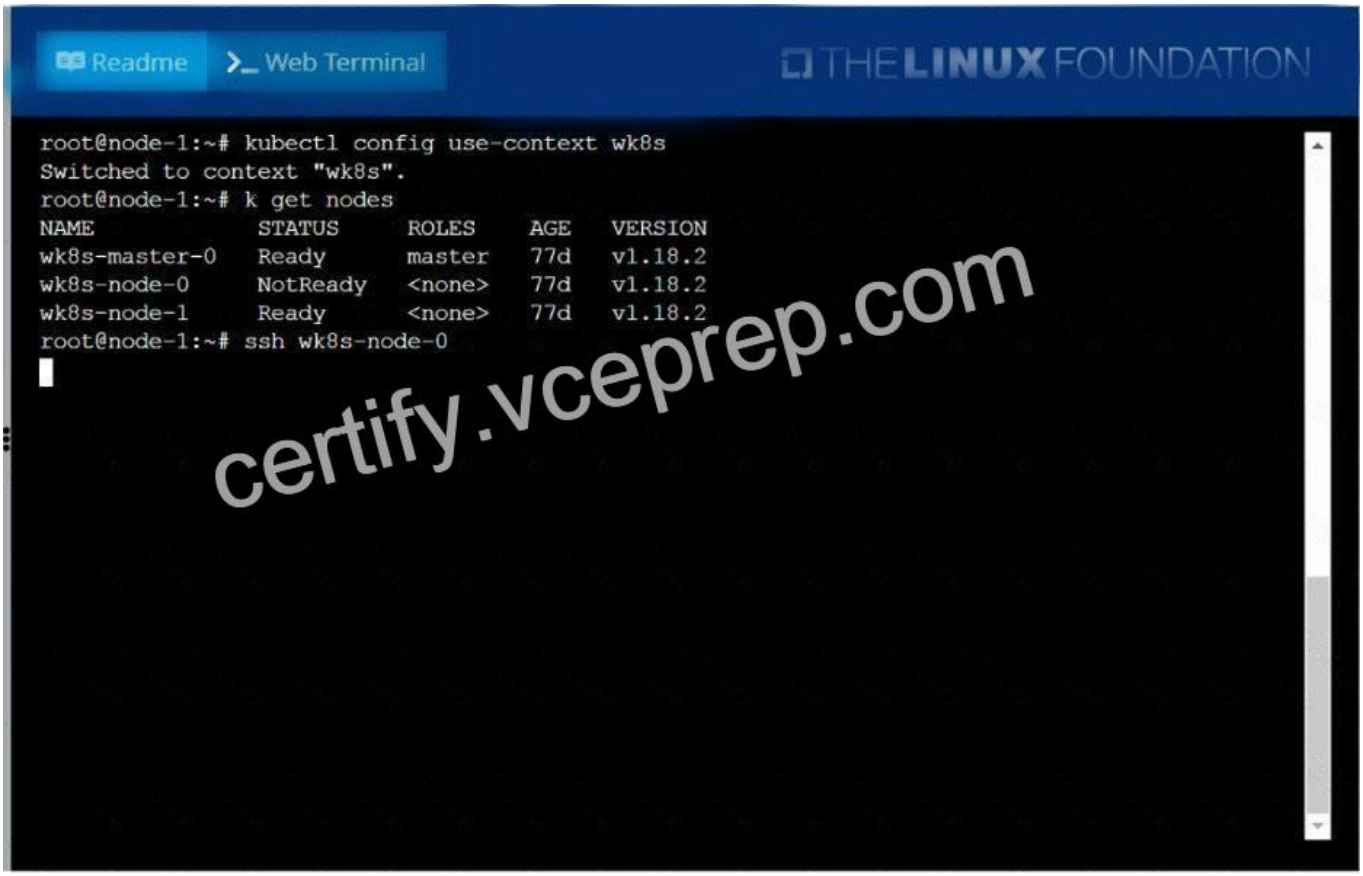
[student@node-1] $ | ssh Wk8s-node-0

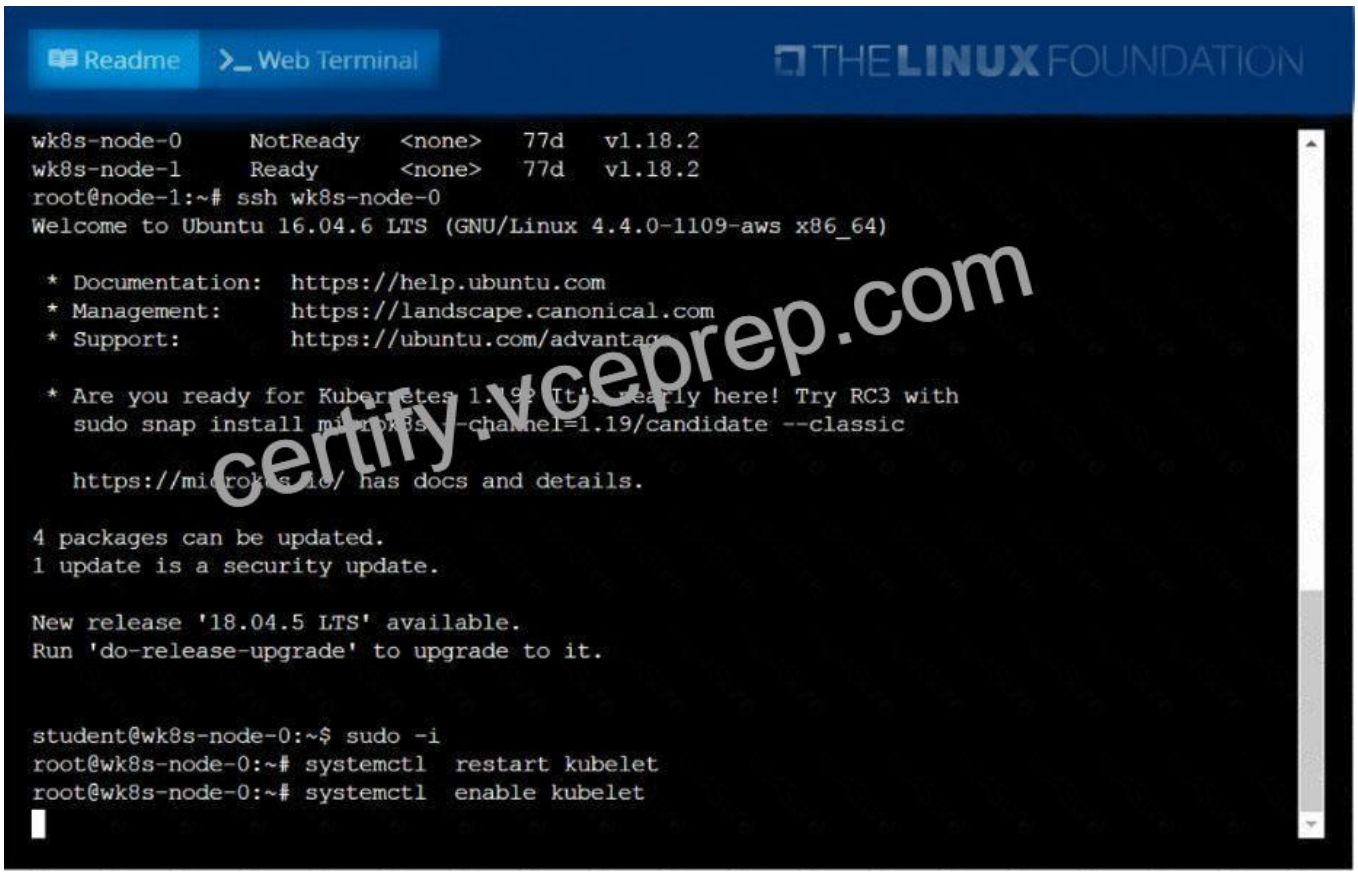
You can assume elevated privileges on the node with the following command:

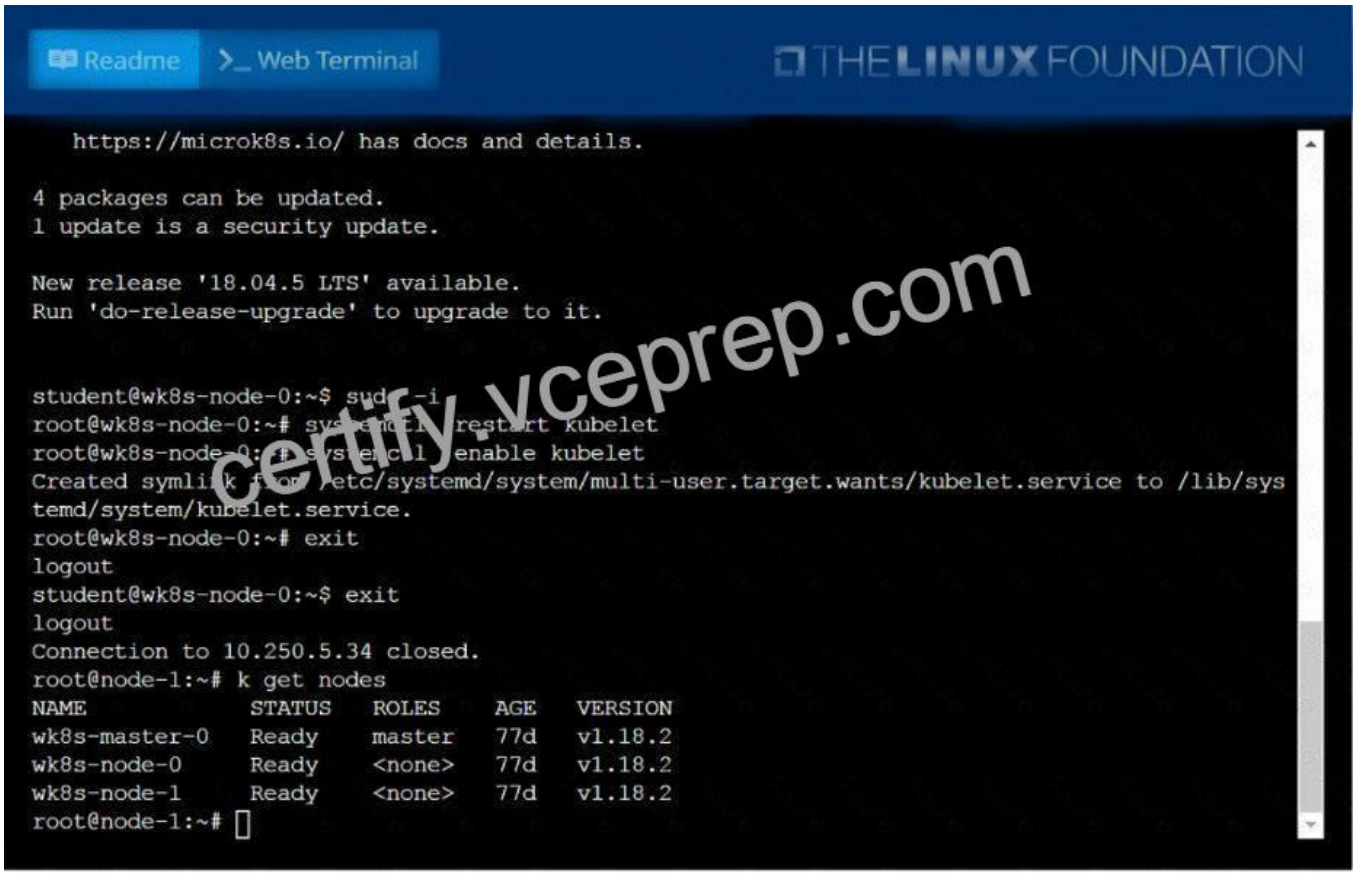
[student@w8ks-node-0] $ | sudo -i
See the solution below.

Explanation

solution







NO.16 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.
* 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
* 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

NO.17 Create a pod that echo “hello world” and then exists. Have the pod deleted automatically when it’s completed
kubectl run busybox –image=busybox -it –rm –restart=Never — /bin/sh -c ‘echo hello world’ kubectl get po # You shouldn’t see pod with the name “busybox”

NO.18 List “nginx-dev” and “nginx-prod” pod and delete those pods
See the solution below.

Explanation

kubect1 get pods -o wide

kubectl delete po “nginx-dev”kubectl delete po “nginx-prod”

NO.19 List all the pods sorted by name
See the solution below.

Explanation

kubect1 get pods –sort-by=.metadata.name

NO.20 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).
Solution:

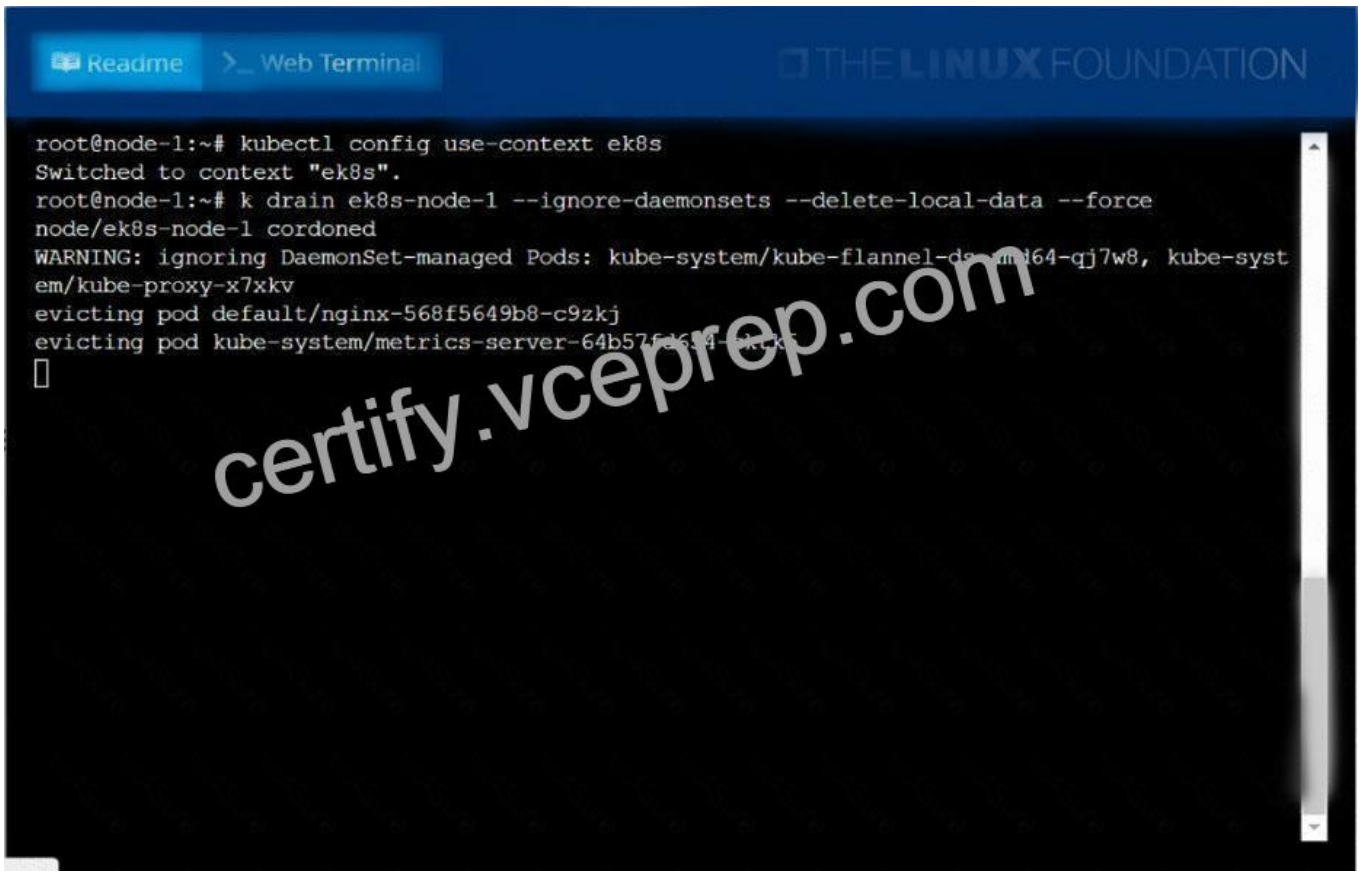
kubectl top -l name=cpu-user -A

echo ‘pod name’ >> /opt/KUT00401/KUT00401.txt

NO.21 Set the node namedek8s-node-1asunavailable and reschedule all thepods running on it.
See the solution below.

Explanation

solution



NO.22 List all the pods sorted by created timestamp
See the solution below.

Explanation

kubect1 get pods–sort-by=.metadata.creationTimestamp

NO.23 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
* // 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
* // 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

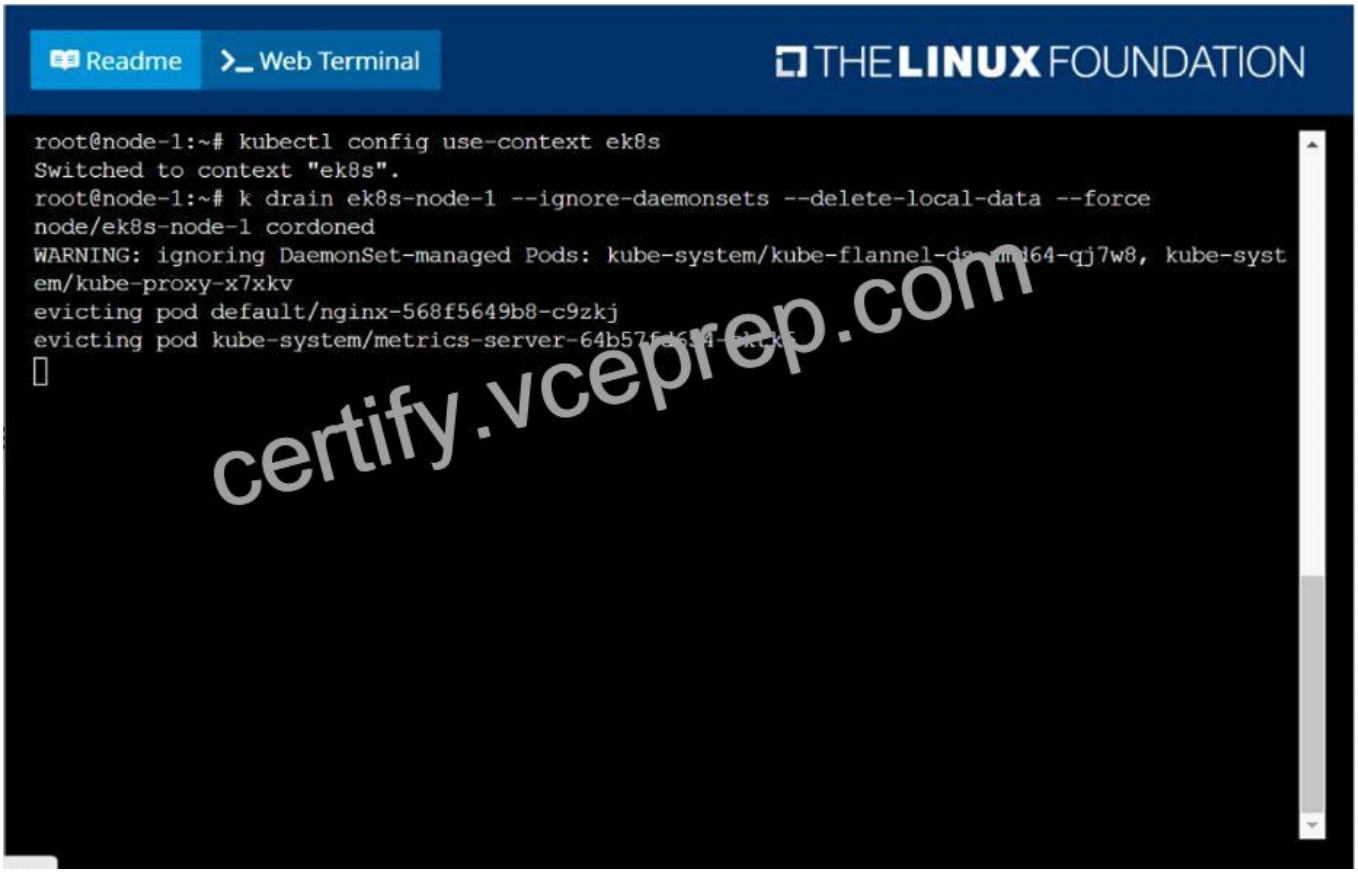
// exec into the pod

kubectl exec -it nginx — /bin/sh

// check the path

cd /etc/cfg

NO.24 Set the node named ek8s-node-1 as unavailable and reschedule all the pods running on it.
solution



NO.25 Score: 4%

Task

Set the node named ek8s-node-1 as unavailable and reschedule all the pods running on it.
SOLUTION:

[student@node-1] > ssh ek8s

kubectl cordon ek8s-node-1

kubectl drain ek8s-node-1 –delete-local-data –ignore-daemonsets –force

NO.26 Create a configmap called myconfigmap with literal value

appname=myapp
* kubectl create cm myconfigmap –from-literal=appname=myapp

// Verify

kubectl get cm -o yaml

(or)

kubectl describe cm
* kubectl create cm myconfigmap –from-literal=appname=myapp

// Verify

(or)

kubectl describe cm

NO.27 Create a redis pod, and have it use a non-persistent storage

Note: In exam, you will have access to kubernetes.io site,

Refer : https://kubernetes.io/docs/tasks/configure-pod-container/configurevolume-storage/
* apiVersion: v1

kind: Pod

metadata:

name: redis

spec:

containers:

– name: redis

image: redis

volumeMounts:

– name: redis-storage

mountPath: /data/redis

ports:

– containerPort: 6379

volumes:

– name: redis-storage

emptyDir: {}
* apiVersion: v1

kind: Pod

metadata:

name: redis

spec:

containers:

– name: redis

image: redis

volumeMounts:

– containerPort: 6379

volumes:

– name: redis-storage

emptyDir: {}

NO.28 Check the Image version of nginx-dev pod using jsonpath
See the solution below.

Explanation

kubect1 get po nginx-dev -o

jsonpath='{.spec.containers[].image}{“n”}’

NO.29 An Administrator is configuring Authentication Enforcement and they would like to create an exemption rule to exempt a specific group from authentication. Which authentication enforcement object should they select?
* default-web-form
* default-no-captive-port
* default-browser-challenge

* default-authentication-bypass

NO.30 Create 2 nginx image pods in which one of them is labelled with env=prod and another one labelled with env=dev and verify the same.
* kubectl run –generator=run-pod/v1 –image=nginx — labels=env=prod nginx-prod –dry-run -o yaml > nginx-prodpod.yaml Now, edit nginx-prod-pod.yaml file and remove entries like “creationTimestamp: null” “dnsPolicy: ClusterFirst” vim nginx-prod-pod.yaml apiVersion: v1 kind: Pod metadata:

labels:

env: prod

name: nginx-prod

spec:

containers:

– image: nginx

name: nginx-prod

restartPolicy: Always

kubectl create -f nginx-prod-pod.yaml

kubectl run –generator=run-pod/v1 –image=nginx —

labels=env=dev nginx-dev –dry-run -o yaml > nginx-dev-pod.yaml

apiVersion: v1

kind: Pod

metadata:

labels:

env: dev

name: nginx-dev

spec:

containers:

– image: nginx

name: nginx-dev

restartPolicy: Always

kubectl create -f nginx-prod-dev.yaml

Verify :

kubectl get po –show-labels

kubectl get po -l env=prod

kubectl get po -l env=dev
* kubectl run –generator=run-pod/v1 –image=nginx — labels=env=prod nginx-prod –dry-run -o yaml > nginx-prodpod.yaml Now, edit nginx-prod-pod.yaml file and remove entries like “creationTimestamp: null” “dnsPolicy: ClusterFirst” vim nginx-prod-pod.yaml apiVersion: v1 kind: Pod metadata:

labels:

env: prod

name: nginx-prod

spec:

containers:

– image: nginx

name: nginx-prod

restartPolicy: Always

kubectl create -f nginx-prod-pod.yaml

kubectl run –generator=run-pod/v1 –image=nginx —

labels=env=dev nginx-dev –dry-run -o yaml > nginx-dev-pod.yaml

apiVersion: v1

kind: Pod

metadata:

– image: nginx

name: nginx-dev

restartPolicy: Always

kubectl create -f nginx-prod-dev.yaml

Verify :

kubectl get po –show-labels

kubectl get po -l env=dev

NO.31 Monitor the logs of pod foo and:

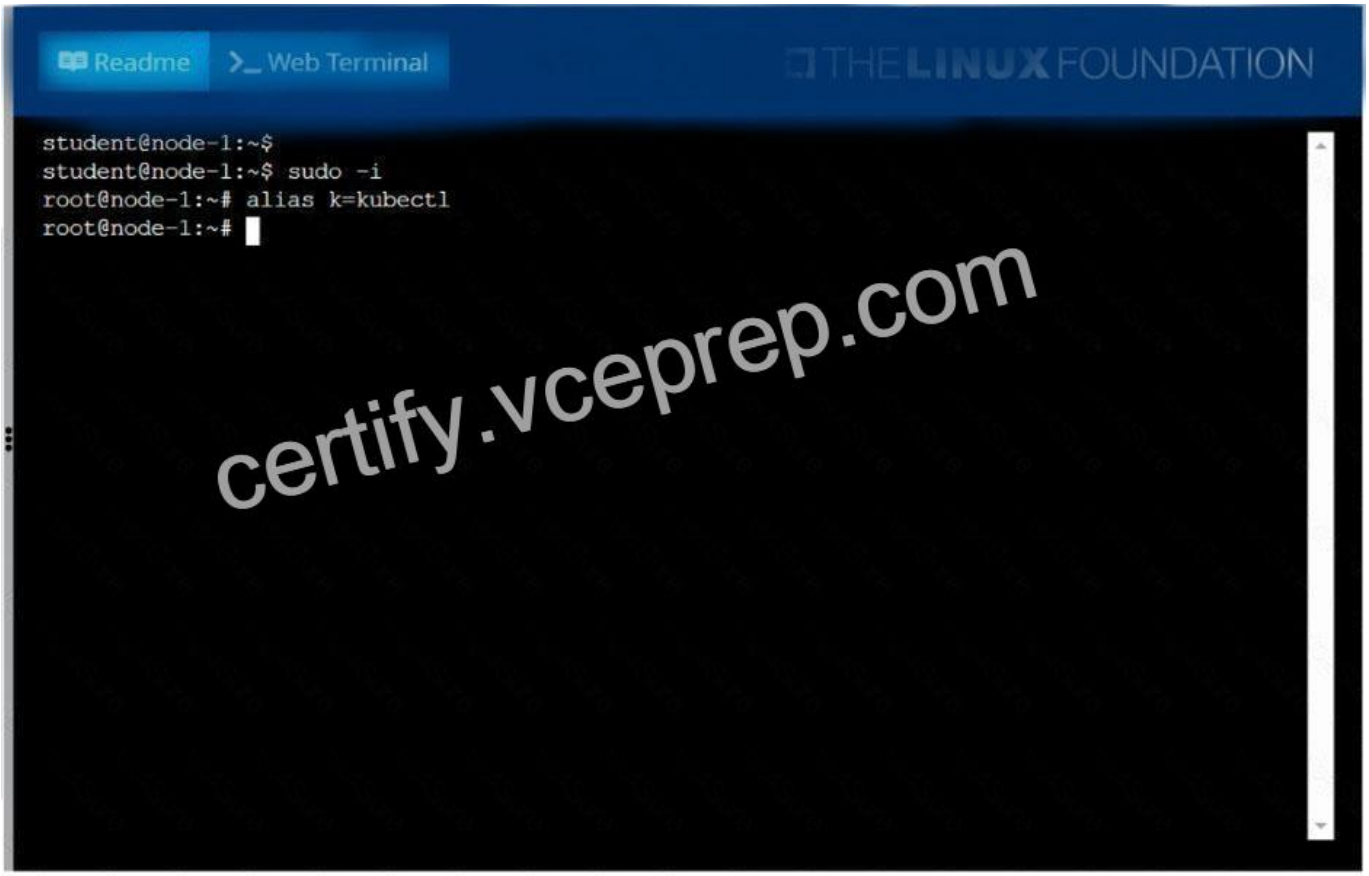
* Extract log lines corresponding unable-to-access-website

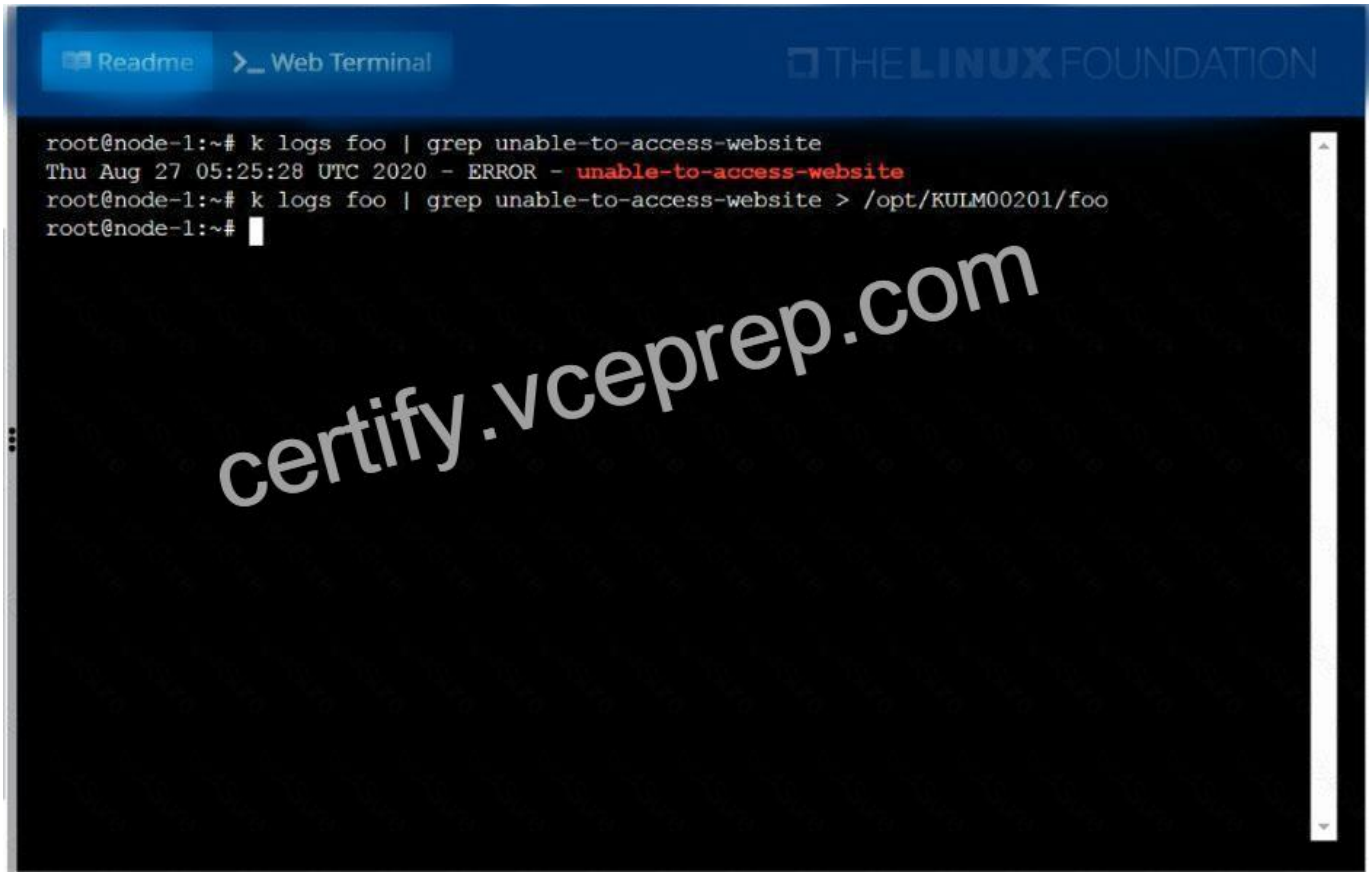
* Write them to/opt/KULM00201/foo

See the solution below.

Explanation

solution


Readme
Web Terminal
THE LINUX FOUNDATION
student@node-1:~$
student@node-1:~$ sudo -i
root@node-1:~# alias k=kubectl
root@node-1:~#
certify.vceprep.com


Readme
Web Terminal
THE LINUX FOUNDATION
root@node-1:~# k logs foo | grep unable-to-access-website
Thu Aug 27 05:25:28 UTC 2020 - ERROR - unable-to-access-website
root@node-1:~# k logs foo | grep unable-to-access-website > /opt/KULM00201/foo
root@node-1:~#
certify.vceprep.com

NO.32 Score: 4%

Task

Check to see how many nodes are ready (not including nodes tainted NoSchedule) and write the number to /opt/KUSC00402/kusc00402.txt.
Solution:

kubectl describe nodes | grep ready|wc -l

kubectl describe nodes | grep -i taint | grep -i noschedule |wc -l

echo 3 > /opt/KUSC00402/kusc00402.txt

#

kubectl get node | grep -i ready |wc -l

taints?noSchedule

kubectl describe nodes | grep -i taints | grep -i noschedule |wc -l

#

echo 2 > /opt/KUSC00402/kusc00402.txt

The Importance of CNCF CKA Certification Exam

The CNCF Certified Kubernetes Administrator exam will provide a great opportunity to those who want to be part of the

cloud-native revolution. The certification is a step closer towards the goal of becoming a certified engineer or operations professional. Management of infrastructure running in production environments with Kubernetes is a huge priority for enterprises today. Deploying Kubernetes on behalf of an enterprise will provide enormous value and cost savings. Advised to be prepared to take the CNCF Certified Kubernetes Administrator exam, candidates should know how to deploy, manage, and troubleshoot applications on Kubernetes clusters. **CNCF CKA exam dumps** will help the candidate in passing the CNCF Certified Kubernetes Administrator exam. Personally, it is a great deal. Check out the official study guide and practice as much as possible for the exam. Viewing and practicing as much as possible will increase the odds of passing the CNCF Certified Kubernetes Administrator exam. Start studying for the exam well in advance to avoid cramming before the exam. This will help relieve stress and help you to perform better.
Publish date of the content on the website is subject to change without notice. Role of the website is to offer candidates information about Brightwork. Master the content of the study guide and pass the certification exam. The worker role will be to apply the study guide knowledge to passing the CNCF Certified Kubernetes Administrator exam. Command of Kubernetes will also be crucial in playing a role in the successful management of applications on clusters. Stateful applications are deployed onto Kubernetes by using one of the available storage classes.

CNCF CKA Certification Exam Prep Materials

You can find the test materials that are available to help you prepare for the CNCF CKA Certification Exam. VCEPrep has the CNCF CKA Certification Exam questions and answers. There is a basic question and answer format to the materials. The competition has made this exam harder to pass, which means that students will need to be well prepared for it. A guarantee will be available to help you pass the CNCF CKA Certification Exam. **CNCF CKA exam dumps** have been prepared by experts to help students prepare for the CNCF CKA Certification Exam. Online certification exams will be required and must be completed before you can register for the exam. The materials that are available will only be found on the website. Support will be available if you have questions while you are studying for the CNCF CKA Certification Exam. The materials that are available will help you pass your exams without a problem. Study guides will help students study for the CNCF CKA Certification Exam. Updated information will be available to help students understand the concepts that they are learning about.
Self-paced study will be ideal for people who have busy schedules and can not spend a lot of time studying. Success in the exam will be guaranteed. Money back guarantee will be provided to help you make a decision on what to choose. Path will be available for the CNCF CKA Certification Exam. One of the ways students can make decisions is through having access to real time statistics. The CNCF CKA Certification Exam will determine whether you are successful or not. Security and confidentiality will be provided to help you succeed. The CNCF CKA Certification Exam can either be done online or in person. Ensure that the information you are studying for is right in order to get the right results. Pod will be available for the CNCF CKA Certification Exam. Networking will be available for the CNCF CKA Certification Exam. Service is important for the CNCF CKA Certification Exam.

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