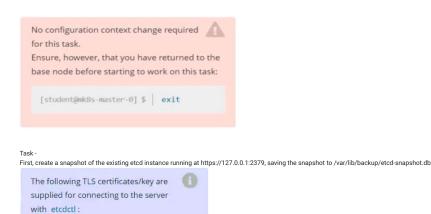


Student@node-1:~\$ Kubect1 config use-conte	XT MK85
Studentenode-1:-> kubecti conlig use-conte Switched to context "mk8s". student@node-1:-\$ kubecti config use-conte Switched to context "mk8s". student@node-1:-\$ kubecti get nodes NAME STATUS ROLES	xt mk8s
Switched to context "mk8s".	
student@node-1:~\$ kubectl get nodes	
NAME STATUS ROLES	AGE VERSION
mk8s-master-0 Ready control-plane, mas	ter $6/d$ $\sqrt{1.22.1}$
student@node-1:~\$ kubectl drain mk8s-maste	r-0 ignore-daemonsets
node/mk8s-master-0 cordoned	AGE VERSION AGE VERSION 67d V1.22.1 67d V1.22.1 kube-system/kube-flannel-ds-jxzmk, kube-system/kube-proxy-9rzg9 8-tt2b8 8-nbkmz ROLES AGE VERSION
WARNING: ignoring DaemonSet-managed Pods:	kube-system/kube-flannel-ds-jxzmk, kube-system/kube-proxy-9rzg9
evicting pod kube-system/coredns-78fcd6997	8-tt2b8
evicting pod default/nginx-/4D46d4CfC-dfKV	5
pod/nginx-74b46d4cfc-dfkys evicted	
pod/coredns-78fcd69978-tt2b8 evicted	
pod/coredns-78fcd69978-nbkmz evicted	
node/mk8s-master-0 drained	
NAME STATUS	ROLES AGE VERSION
mk8s-master-0 Ready,SchedulingDisabled	control-plane, master 67d v1.22.1
mk8g_pode_0 Ready	(none) 67d v1 22 1
Warning: Permanently added '10.250.5.55' (Welcome to Ubuntu 20.04.3 LTS (GNU/Linux 5	ECDSA) to the list of known hosts.
Welcome to Ubuntu 20.04.3 LTS (GNU/Linux 5	.11.0-1028-aws x86_64)
* Documentation: https://help.ubuntu.com	
* Management: https://landscape.canon * Support: https://ubuntu.com/adva	ical.com
System information as of Mon Apr 25 09:3	0:48 UTC 2022
System load: 1.98 Users 1	ogged in: 0
Usage of /: 83.2% of 67.79GB IPv4 ad	dress for cni0: 10.244.0.1
	dress for docker0: 172.17.0.1 dress for eth0: 10.250.5.55
Processes: 85	
30 updates can be applied immediately. 15 of these updates are standard security To see these additional updates run: apt l	
The list of available updates is more than To check for new updates run: sudo apt upd	
student@mk8s-master-0:~\$ sudo -i	
root@mk8s-master-0:~# apt install kubeadm=	1.22.2-00 kubelet=1.22.2-00 kubectl=1.22.2-00
Reading package lists Done	1.22.2-00 kubelet=1.22.2-00 kubectl=1.22.2-00
Building dependency tree	
The following packages will be upgraded:	
kubeadm kubectl kubelet	
3 upgraded, 0 newly installed, 0 to remove	and 27 not upgraded.
Need to get 39.6 MB of archives.	
After this operation, 0 B of additional di	sk space will be used.
Get:1 https://packages.cloud.google.com/ap Get:2 https://packages.cloud.google.com/ap	and 27 not upgraded. sk space will be used. t kubernetes-xenial/main amd64 kubelet amd64 1.22.2-00 [21.9 MB] t kubernetes-xenial/main amd64 kubect1 amd64 1.22.2-00 [9038 kB] t kubernetes-xenial/main amd64 kubeadm amd64 1.22.2-00 [8718 kB] ctories currently installed.) amd64.deb
Fetched 39.6 MB in 13s (3156 kB/s)	t Rubernetes-Keniai/main amuo4 Rubeaum amuo4 1.22.2-00 [8/16 Kb]
(Reading database 33901 files and dire Preparing to unpack/kubelet 1.22.2-00	ctories currently installed.)
Unpacking kubelet (1.22.2-00) over (1.22.1 Preparing to unpack/kubectl 1.22.2-00 Unpacking kubectl (1.22.2-00) over (1.22.1	
Preparing to unpack/kubectl 1.22.2-00	amd64.deb
Unpacking kubectl (1.22.2-00) over (1.22.1	-00)
Preparing to unpack/kubeadm 1.22.2-00	amd64.deb
Setting up kubectl $(1.22.2-00)$ over $(1.22.1)$	
Setting up kubelet (1.22.2-00)	
Setting up kubeadm (1.22.2-00)	
root@mk8s-master-0:~# apt install kubeadm=	1.22.2-00 kubelet=1.22.2-00 kubect1=1.22.2-00
Reading package fists Done	
Reading state information Done	
kubeadm is already the newest version (1.2	2.2-00).
kubectl is already the newest version (1.2	-00) -00) -00) 1.22.2-00 kubelet=1.22.2-00 kubect1=1.22.2-00 2.2-00). 2.2-00). 2.2-00). 2.2-00).
A upgraded, 0 newly installed 0 to remove	and 27 not ungraded
root@mk8s-master-0:~# kubeadm upgrade plan	
[upgrade/config] Making sure the configura	tion is correct:
[upgrade/config] Reading configuration fro	n the cluster
[upgrade/config] FYI: You can look at this	config file with 'kubectl -n kube-system get cm kubeadm-config -o yaml'
[upgrade] Running cluster health checks	
[upgrade] Fetching available versions to u	ograde to
<pre>[upgrade] Fetching available versions to u [upgrade/versions] Cluster version: v1.22. [upgrade/versions] kubeadm version: v1.22.</pre>	
[upgrade/versions] kubeadm version: v1.22.	

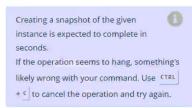
Question 4 (Topic 1)

SIMULATION -

×⁴



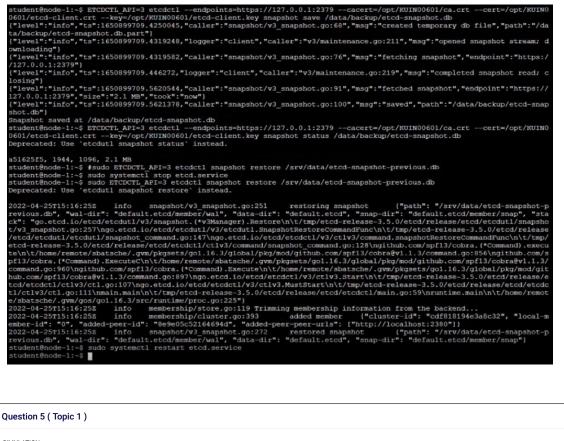
- CA certificate: /opt/KUIN00601/ca.crt
 Client certificate:
- /opt/KUIN00601/etcd-client.crt
 Client kev:
- /opt/KUIN00601/etcd-client.key



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

Answer: See explanation below.

Explanation:



SIMULATION -

Set configuration context: [student@node-1] \$ | kubectl config use-context hk8s *****

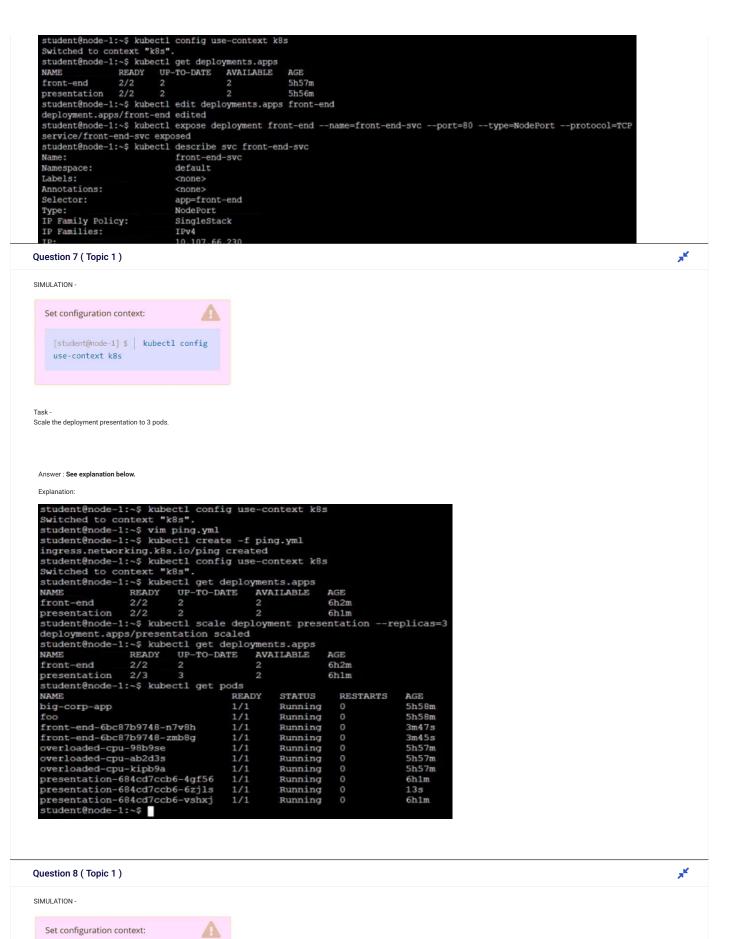
Task Create a new NetworkPolicy named allow-port-from-namespace in the existing namespace fubar. Ensure that the new NetworkPolicy allows Pods in namespace internal to connect to port 9000 of Pods in namespace fubar. Further ensure that the new NetworkPolicy: ⇔ does not allow access to Pods, which don't listen on port 9000 ∞ does not allow access from Pods, which are not in namespace internal Answer: See explanation below. Explanation student@node-1:~\$ kubect1 config use-context hk8s Switched to context "hk8s". student@node-1:~\$ vim policy.yml
student@node-1:~\$ kubectl label ns my-app project=my-app namespace/my-app labeled student@node-1:~\$ kubect1 describe ns my-app Name: my-app kubernetes.io/metadata.name=my-app Labels: project=my-app Annotations: <none> Status: Active No resource quota. No LimitRange resource. student@node-1:~\$ kubectl create -f policy.yml networkpolicy.networking.k8s.io/allow-port-from-namespace created student@node-1:~\$ ion: networking.k8s.io/v1 ind: NetworkPolicy name: allow-port-from-namespace
namespace: fubar - Ingress project: my-app - protocol: TCP

Page: 1 / 4 Total 20 questions

Next Page 🕣

10 questions per page v





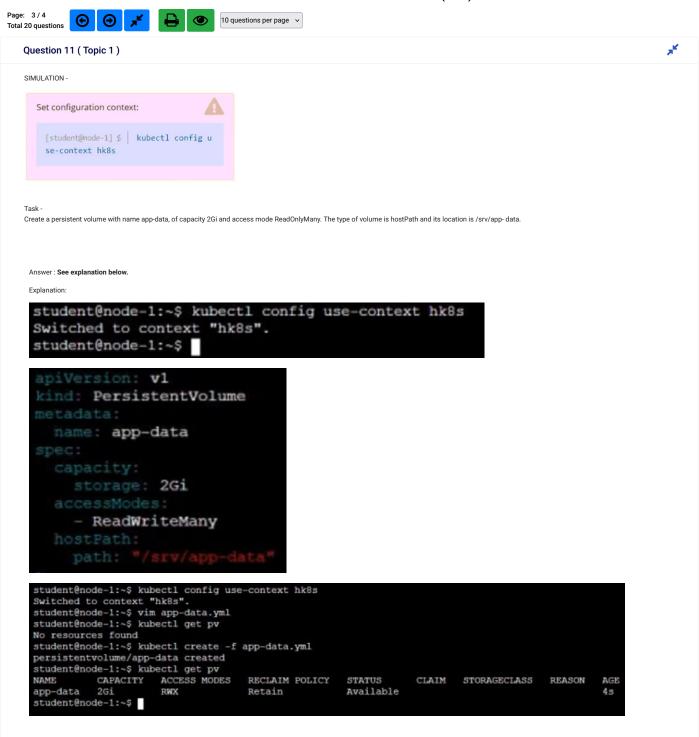
[student@node-1] \$ | kubectl config use-context k8s

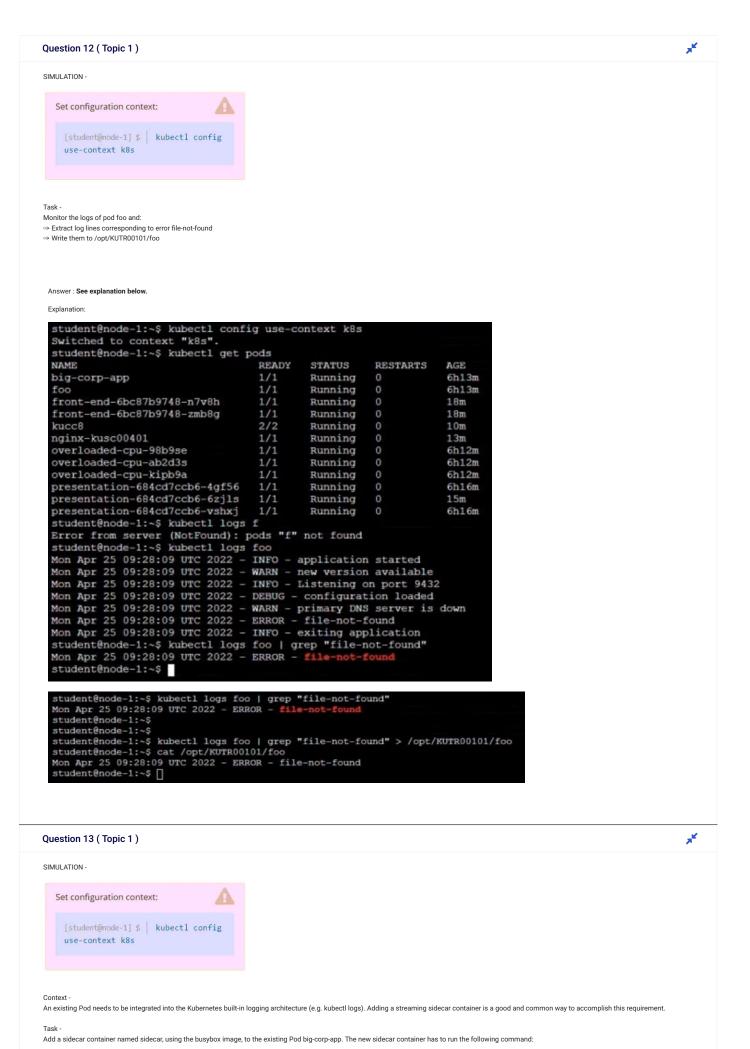
Task -Schedule a pod as follows: & Name: nginx-kusc00401



Set configuration context:	-	4				
[student@node-1] \$ kubectl c	onfig us					
e-context k8s						
ask - chedule a Pod as follows:						
 Name: kucc8 App Containers: 2 						
 Container Name/Images: nginx 						
consul						
Answer : See explanation below.						
Explanation:						
student@node-1:~\$ kubect1 n	run kuce	:8imag	e=nginx -	-dry-run	o yaml > app2.yml	
W0425 15:29:58.312179 35291 student@node-1:~\$ vim app2.		pers.go:5	98]dry	-run is d	precated and can be replaced with	iry-run=cli
student@node=1:~\$ vim appz.	. Ymr					
apiVersion: v1						
kind: Pod						
metadata:						
labels:						
run: kucc8						
name: kucc8						
containers:						
- image: nginx						
name: nginx						
- image: consul						
name: consul						
student@node-1:~\$ kubect1 run W0425 15:29:58.312179 3529166 3	kucc8 helpers.	image=ngin go:598]	xdry-run dry-run is	-o yaml > deprecated	app2.yml and can be replaced withdry-run=client.	
student@node-1:~\$ kubect1 run :	kucc8 helpers.	image=ngin go:598]	xdry-rur dry-run is	1 -o yaml > deprecated	app2.yml and can be replaced withdry-run=client.	
student@node-i:~\$ kubectl run W0425 15:29:58.312179 3529166 ; student@node-1:~\$ vim app2.yml student@node-1:~\$ cat app2.yml apiVersion: v1 kind: Pod	kucc8 helpers.	image=ngin go:598]	xdry-run dry-run is	i −o yaml > deprecated	app2.yml and can be replaced withdry-run=client.	
<pre>student@node-1:~\$ kubect1 run W0425 15:29:58.312179 3529166 : student@node-1:~\$ vim app2.yml student@node-1:~\$ cat app2.yml apiVersion: v1 kind: Pod metadata: labels:</pre>	kucc8 helpers.	image=ngin go:598]	xdry-rur dry-run is	i -o yaml > deprecated	app2.yml and can be replaced withdry-run=client.	
<pre>student@node-1:~\$ kubect1 run W0425 15:29:58.312179 3529166 : student@node-1:~\$ vim app2.yml apiVersion: v1 kind: Pod metadata: labels: run: kucc0 name: kucc0 spec: containers:</pre>	kucc8 helpers.	image=ngin go:598]	xdry-run dry-run is	i -o yaml > deprecated	app2.yml and can be replaced withdry-run=client.	
<pre>student@node-1:~\$ kubect1 run 1 W0425 15:29:58.312179 3529166 3 student@node-1:~\$ vim app2.yml student@node-1:~\$ cat app2.yml kind: Pod metadata: labels: run: kucc8 name: kucc8 spec:</pre>	kucc8 helpers.	image=ngin go:598]	xdry-run dry-run is	ı -o yaml > deprecated	app2.yml and can be replaced withdry-run=client.	
<pre>student@node-1:~\$ kubect1 run W0425 15:29:58.312179 3529166 student@node-1:~\$ vim app2.yml apiVersion: v1 kind: Pod metadata: labels: run: kucc8 name: kucc8 spec: containers:</pre>	helpers.	go:598]	xdry-run is	ı -o yaml > deprecated	app2.yml and can be replaced withdry-run=client.	
<pre>student@node-1:~\$ kubect1 run W0425 15:29:58.312179 3529166 student@node-1:~\$ vim app2.yml student@node-1:~\$ cat app2.yml kind: Pod metadata: labels: run: kucc8 name: kucc8 spec: containers: - image: nginx name: nginx name: consul student@node-1:~\$ kubect1 creat pod/kucc8 created student@node-1:~\$ kubect1 get j </pre>	helpers. te -f ap pods	go:598] p2.yml	xdry-run dry-run is	deprecated	and can be replaced withdry-run=client.	
<pre>student@node-1:~\$ kubect1 run # W0425 15:29:58.312179 3529166 ; student@node-1:~\$ vim app2.yml student@node-1:~\$ cat app2.yml kind: Pod metadata: labels: run: kucc8 name: kucc8 name: kucc8 range: consul student@node-1:~\$ kubect1 creat pod/kucc8 created student@node-1:~\$ kubect1 get ; NNME big-corp-app</pre>	te -f ap pods READY 1/1	go:598] p2.yml STATUS Running	xdry-run dry-run is	RESTARTS 0	AGE 652m	
<pre>student@node-i:~\$ kubectl run M0425 15:29:58.312179 3529166) student@node-1:~\$ vim app2.yml student@node-1:~\$ cat app2.yml apiVersion: v1 kind: Pod metadata: labels: run: kucc8 name: kucc8 spec: containers: - image: nginx name: nginx name: nginx name: consul student@node-1:~\$ kubectl creat pod/kucc8 created student@node-1:~\$ kubectl get ; NAME big-corp-app foo froot_end-6bc87b9748-n7v8h</pre>	te -f ap pods READY 1/1 1/1	go:598] p2.yml STATUS Running Running Running	xdry-run dry-run is	RESTARTS 0 0 0	AGE 6h2m 6m6s	
<pre>student@node-i:~\$ kubect1 run 1 W0425 15:29:58.312179 3529166) student@node-1:~\$ vim app2.yml apiVersion: v1 kind: Pod metadata: labels: run: kucc8 name: kucc8 spec: containers: - image: nginx name: nginx name: nginx image: consul student@node-1:~\$ kubect1 creat pod/kucc8 created student@node-1:~\$ kubect1 get p NAME big-corp-app foo front-end-6bc87b9748-n7v8h front-end-6bc87b9748-n7v8h front-end-6bc87b9748-zmb8g kucc8</pre>	te -f ap pods READY 1/1 1/1 1/1 1/1 0/2	p2.yml STATUS Running Running Running Containe	xdry-run dry-run is rCreating	RESTARTS 0 0 0 0 0	AGE 6h2m 6h2m 653 8m6s 8m4s 65	
<pre>student@node-1:~\$ kubect1 run W0425 15:29:58.312179 3529166 student@node-1:~\$ vim app2.yml apiVersion: v1 kind: Pod metadata: labels: run: kucc8 name: kucc8 spec: containers: - image: nginx name: nginx name: consul student@node-1:~\$ kubect1 creat pod/kucc8 created student@node-1:~\$ kubect1 get ; NAME big-corp-app foo front-end-6bc87b9748-n7v8h front-end-6bc87b9748-n7v8h front-end-6bc87b9748-zmb8g kucc8 mginx-kusc00401 overloaded-cpu-98b9se</pre>	te -f ap pods READY 1/1 1/1 1/1 1/1 1/1 1/1 1/1	p2.yml STATUS Running Running Running Containe Running Running	dry-run is	RESTARTS 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	AGE 6h2m 6b2m 8m4s 6s 2m37s 6h2m	
<pre>student@node-1:~\$ kubect1 run 1 W0425 15:29:58.312179 3529166] student@node-1:~\$ vim app2.yml student@node-1:~\$ cat app2.yml kind: Pod metadata: labels: run: kucc8 name: kucc8 name: kucc8 rome: kucc8 range: consul name: consul student@node-1:~\$ kubect1 creat pod/kucc8 created student@node-1:~\$ kubect1 get } NAME big-corp-app foo front-end-6bc87b9748-n7v8h front-end-6bc87b9748-m7v8h front-e</pre>	te -f ap pods READY 1/1 1/1 1/1 1/1 1/1 1/1 1/1 1/1	p2.yml STATUS Running Running Running Running Running Running Running Running Running Running	dry-run is	RESTARTS 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	AGE 6h2m 6h2m 6h2m 6h2m 6h2m 6h2m 6h2m 6h2m	
<pre>student@node-1:~\$ kubect1 run # W0425 15:29:58.312179 3529166] student@node-1:~\$ vim app2.yml student@node-1:~\$ cat app2.yml kind: Pod metadata: labels: run: kucc8 name: kucc8 name: kucc8 range: consul student@node-1:~\$ kubect1 creat pod/kucc8 created student@node-1:~\$ kubect1 creat pod/kucc8 created student@node-1:~\$ kubect1 get j NAME big-corp-app foo front-end-6bc87b9748-n7v8h front-end-6bc87b9748-n7v8h front-end-6bc87b9748-n7v8h front-end-6bc87b9748-zmb8g kucc8 overloaded-cpu-98b9se overloaded-cpu-kipb9a presentation-684cd7ccb6-4gf56 presentation-684cd7ccb6-6z154 } } </pre>	te -f ap pods READY 1/1 1/1 1/1 1/1 1/1 1/1 1/1 1/1 1/1 1/	go:598] p2.yml STATUS Running Running Running Running Running Running Running Running Running Running Running	dry-run is	RESTARTS 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	AGE 6h2m 6h2m 6h2m 6b2m 6b2m 6b2m 6b2m 6b2m 6b2m 6b2m 6b	
<pre>student@node-i:~\$ kubect1 run W0425 15:29:58.312179 3529166) student@node-1:~\$ vim app2.yml apiVersion: v1 kind: Pod metadata: labels: run: kucc8 name: kucc8 spec: containers: - image: consul name: nginx - image: consul name: consul student@node-1:~\$ kubect1 creat pod/kucc8 created student@node-1:~\$ kubect1 get p NAME big-corp-app foo front-end-6bc87b9748-n7v8h front-end-6bc87b9748-n7v8h front-end-6bc87b9748-n7v8h front-end-6bc87b9748-zmb8g kucc8 nginx-kusc00401 overloaded-cpu-ab2d3s overloaded-cpu-kipb9a presentation-684cd7ccb6-4gf56 presentation-684cd7ccb6-vshkj student@node-1:~\$ kubect1 get p foo front-end-foce7b54cd7ccb6-vshkj</pre>	te -f ap pods READY 1/1 1/1 1/1 1/1 1/1 1/1 1/1 1/1 1/1 1/	p2.yml STATUS Running Running Running Containe Running Running Running Running Running Running Running Running Running	dry-run is	RESTARTS 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	AGE 6h2m 6h2m 6b2m 8m6s 2m37s 6h2m 6h2m 6h2m 6h2m 6h2m 6h2m 6h2m 6h2m	
<pre>student@node-i:~\$ kubectl run i W0425 15:29:58.312179 3529166) student@node-1:~\$ vim app2.yml apiVersion: vl kind: Pod metadata: labels: run: kucc8 name: kucc8 spec: containers: - image: name: kucc8 spec: containers: - image: consul student@node-1:~\$ kubectl creat pod/kucc8 created student@node-1:~\$ kubectl get ; NAME big-corp-app foo front-end-6bc87b9748-n7v8h f</pre>	te -f ap pods READY 1/1 1/1 1/1 1/1 1/1 1/1 1/1 1/1 1/1 1/	p2.yml STATUS Running	dry-run is	RESTARTS 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	AGE 6h2m 6h2m 6h2m 6h2m 6h2m 6h2m 6h2m 6h2m	
<pre>student@node-i:~\$ kubectl run i W0425 15:29:58.312179 3529166) student@node-1:~\$ vim app2.yml apiVersion: vl kind: Pod metadata: labels: run: kucc8 name: kucc8 spec: containers: - image: nginx name: nginx name: nginx name: consul student@node-1:~\$ kubectl creat pod/kucc8 created student@node-1:~\$ kubectl get p NAME big-corp-app foo front-end-6bc87b9748-n7v8h front-end-6bc87b9748-n7v8h front-end-6bc87b9748-n7v8h front-end-6bc87b9748-n7v8h gresentation-684cd7ccb6-4gf56 pr</pre>	te -f ap pods READY 1/1 1/1 1/1 1/1 1/1 1/1 1/1 1/1 1/1 1/	p2.yml STATUS Running	dry-run is	RESTARTS 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	AGE 6h2m 6h2m 6h2m 6h2m 6h2m 6h2m 6h2m 6h2m	
<pre>student@node-1:~\$ kubect1 run 1 W0425 15:29:58.312179 3529166) student@node-1:~\$ vim app2.yml student@node-1:~\$ cat app2.yml kind: Pod metadata: labels: run: kucc8 name: kucc8 spec: containers: - image: nginx name: nginx - image: consul student@node-1:~\$ kubect1 creat pod/kucc8 created student@node-1:~\$ kubect1 creat pod/kucc8 created student@node-1:~\$ kubect1 get p NAME big-corp-app foo front-end-6bc87b9748-n7v8h front-end-6bc87b9748-n7v8h presentation-684cd7ccb6-4gf56 presentation-68cd7b9748-n7v8h front-end-6bc87b9748-n7v8h front-end-6bc87b9748-n7v8h front-end-6bc87b9748-n7v8h front-end-6bc87b9748-n7v8h front-end-6bc87b9748-n7v8h front-end-6bc87b9748-n7v8h front-end-6bc87b9748-n7v8h front-end-6bc87b9748-n7v8h front-end-6bc87b974</pre>	te -f ap pods READY 1/1 1/1 1/1 1/1 1/1 1/1 1/1 1/1 1/1 1/	p2.yml STATUS Running	dry-run is	RESTARTS 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	AGE 6h2m 6h2m 6h2m 6h2m 6h2m 6h2m 6h2m 6h2m	
<pre>student@node-1:~\$ kubect1 run i W0425 15:29:58.312179 3529166] student@node-1:~\$ vim app2.yml student@node-1:~\$ van app2.yml kind: Pod metadata: labels: run: kucc8 name: kucc8 name: kucc8 range: nginx name: nginx name: nginx name: consul student@node-1:~\$ kubect1 creat pod/kucc8 created student@node-1:~\$ kubect1 get p NAME big-corp-app foo front-end-6bc87b9748-n7v8h front-end-6bc87b97</pre>	te -f ap pods READY 1/1 1/1 1/1 1/1 1/1 1/1 1/1 1/1 1/1 1/	p2.yml STATUS Running	dry-run is	RESTARTS 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	AGE 6h2m 6h2m 6b2m 8m6s 8m4s 65 2m37s 6h2m 6h2m 6h2m 6h2m 6h2m 6h2m 6h2m 6h2m	
<pre>student@node-1:~\$ kubectl run NW0425 15:29:58.312179 3529166) student@node-1:~\$ vim app2.yml apiVersion: vl kind: Pod metadata: labels: run: kucc8 name: kucc8 spec: containers: - image: nginx name: nginx name: nginx name: nginx name: consul student@node-1:~\$ kubectl creat pod/kucc8 created student@node-1:~\$ kubectl get ; NAME big-corp-app foo front-end-6bc87b9748-n7v8h front-end-6bc87b9748-n7v8h front-end-6bc87b9748-zmb8g kucc8 npresentation-684cd7ccb6-4gf56 presentation-684cd7ccb6-4gf56 presentation-</pre>	te -f ap pods READY 1/1 1/1 1/1 1/1 1/1 1/1 1/1 1/1 1/1 1/	p2.yml STATUS Running	dry-run is	RESTARTS 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	AGE 6h2m 6h2m 8m6s 8m6s 9m4s 65 2m37s 6h2m 6h2m 6h2m 6h2m 6h2m 6h2m 6h2m 6h2m	
<pre>student@node-1:~\$ kubectl run 1 W0425 15:29:58.312179 3529166) student@node-1:~\$ vim app2.yml apiVersion: vl kind: Pod metadata: labels: run: kucc8 name: kucc8 spec: containers: - image: nginx name: nginx name: nginx name: nginx name: consul student@node-1:~\$ kubectl creat pod/kucc8 created student@node-1:~\$ kubectl get p NAME big-corp-app foo overloaded-cpu-98b9se overloaded-cpu-sb9se front-end-6bc87b9748-n7v8h frontation-684cd7ccb6-4g156 presentation-684cd7ccb6-4g156 presentation-684cd7ccb6-</pre>	<pre>helpers. te -f ap pods READY 1/1 1/1 1/1 1/1 1/1 1/1 1/1 1/1 1/1 1/</pre>	p2.yml STATUS Running	dry-run is	RESTARTS 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	AGE 6h2m 6h2m 6h2m 6b2m 6b2m 6b2m 6b2m 6b2m 6b2m 6b2m 6b	
<pre>student@node-1:~\$ kubect1 run i W0425 15:29:58.312179 3529166 student@node-1:~\$ vim app2.yml student@node-1:~\$ cat app2.yml kind: Pod metadata: labels: run: kucc8 name: kucc8 name: kucc8 range: nginx name: nginx - image: consul student@node-1:~\$ kubect1 creat pod/kucc8 created student@node-1:~\$ kubect1 creat pod/kucc8 created student@node-1:~\$ kubect1 get j NAME big-corp-app foo front-end-6bc87b9748-n7v8h front-end-6bc87b9748-n7v8h front-end-6bc87b9748-n7v8h front-end-6bc87b9748-m7v8h front-end-6bc87b9748-n7v8h front-end-6bc</pre>	te -f ap pods READY 1/1 1/1 1/1 1/1 1/1 1/1 1/1 1/1 1/1 1/	p2.yml STATUS Running	dry-run is	RESTARTS 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	AGE 6h2m 6h5m 8m14s 6h3m 8m16s 8m14s 6h2m 6h2m 6h3m 8m16s 8	
<pre>student@node-1:~\$ kubectl run W0425 15:29:58.312179 3529166 student@node-1:~\$ vim app2.yml student@node-1:~\$ cat app2.yml apiVersion: v1 kind: Pod metadata: labels: run: kucc8 name: kucc8 spec: containers: - image: consul name: nginx - image: consul student@node-1:~\$ kubectl creat pod/kucc8 created student@node-1:~\$ kubectl get ; NAME big-corp-app foo front-end-6bc87b9748-n7v8h front-end-6bc87b9748-zmb8g kucc8 nginx-kusc00401 overloaded-cpu-kipb9a presentation-684cd7ccb6-4gf56 presentation-684cd7ccb6-vshxj student@node-1:~\$ kubectl get ; NAME big-corp-app foo front-end-6bc87b9748-n7v8h front-end-6bc87b9748-n7</pre>	te -f ap pods READY 1/1 1/1 1/1 1/1 1/1 1/1 1/1 1/1 1/1 1/	p2.yml STATUS Running	dry-run is rCreating rCreating RESTARTS	RESTARTS 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	AGE 6h2m 6h2m 6b2m 8m6s 8m4s 65 2m37s 6h2m 6h2m 6h2m 6h2m 6h2m 6h2m 6h2m 6h2m	
<pre>student@node-1:~\$ kubectl run W0425 15:29:58.312179 3529166 student@node-1:~\$ vim app2.yml student@node-1:~\$ cat app2.yml apiVersion: v1 kind: Pod metadata: labels: run: kucc8 name: kucc8 spec: containers: - image: nginx name: nginx name: nginx name: nginx name: nginx name: nginx name: consul student@node-1:~\$ kubectl creat pod/kucc8 created student@node-1:~\$ kubectl get ; NAME big-corp-app foo front-end-6bc87b9748-n7v8h f</pre>	te -f ap pods READY 1/1 1/1 1/1 1/1 1/1 1/1 1/1 1/1 1/1 1/	p2.yml STATUS Running	dry-run is rCreating rCreating RESTARTS 0	RESTARTS 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	AGE 6h2m 6h2m 6b2m 8m6s 8m4s 65 2m37s 6h2m 6h2m 6h2m 6h2m 6h2m 6h2m 6h2m 6h2m	
<pre>student@node-1:~\$ kubectl run W0425 15:29:58.312179 3529166 student@node-1:~\$ vim app2.yml apiVersion: vl kind: Pod metadata: labels: run: kucc8 name: kucc8 spec: containers: - image: nginx name: nginx name: nginx name: nginx name: consul student@node-1:~\$ kubectl creat pod/kucc8 created student@node-1:~\$ kubectl get ; NAME big-corp-app foo front-end-6bc87b9748-n7v8h front-end-6bc87b9748-n</pre>	te -f ap pods READY 1/1 1/1 1/1 1/1 1/1 1/1 1/1 1/1 1/1 1/	p2.yml STATUS Running	dry-run is rCreating rCreating 0 0 0	RESTARTS 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	AGE 6h2m 6h2m 6b2m 8m6s 8m4s 65 2m37s 6h2m 6h2m 6h2m 6h2m 6h2m 6h2m 6h2m 6h2m	
<pre>student@node-1:~\$ kubectl run i W0425 15:29:58.312179 3529166) student@node-1:~\$ vim app2.yml apiVersion: vl kind: Pod metadata: labels: run: kucc8 name: kucc8 spec: containers: - image: nginx name: nginx - image: consul student@node-1:~\$ kubectl creat pod/kucc8 created student@node-1:~\$ kubectl get p NAME big-corp-app foo front-end-6bc87b9748-n7v8h front-end-6bc87b9748-n7v</pre>	te -f ap pods READY 1/1 1/1 1/1 1/1 1/1 1/1 1/1 1/1 1/1 1/	p2.yml STATUS Running Runni	rCreating RESTARTS 0 0 0 0 0 0 0 0	RESTARTS 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	AGE 6h2m 6h2m 6b2m 8m6s 8m4s 65 2m37s 6h2m 6h2m 6h2m 6h2m 6h2m 6h2m 6h2m 6h2m	
<pre>student@node-1:~\$ kubectl run i W0425 15:29:58.312179 3529166) student@node-1:~\$ vim app2.yml apiVersion: v1 kind: Pod metadata: labels: run: kucc8 name: kucc8 spec: containers: - image: nginx name: nginx - image: consul student@node-1:~\$ kubectl creat pod/kucc8 created student@node-1:~\$ kubectl get p NAME big-corp-app foo front-end-6bc87b9748-n7v8h front-end-6bc87b9748-n7v8h front-end-6bc87b9748-zmb8g kucc8 nginx-kusc00401 overloaded-cpu-ab2d3s overloaded-cpu-ab2d3s overloaded-cpu-ab2d3s overloaded-cpu-ab2d3s overloaded-cpu-ab2d3s overloaded-cpu-ab2d3s overloaded-cpu-ab2d3s overloaded-cpu-ab2d3s overloaded-cpu-ab2d3s overloaded-cpu-ab2d3s overloaded-cpu-ab2d3s overloaded-cpu-ab2d3s overloaded-cpu-ab2d3s overloaded-cpu-shp9a front-end-6bc87b9748-n7v8h front-end-6b</pre>	te -f ap pods READY 1/1 1/1 1/1 1/1 1/1 1/1 1/1 1/1 1/1 1/	p2.yml STATUS Running	rCreating rCreating RESTARTS 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	RESTARTS 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	AGE 6h2m 6h2m 6b2m 8m6s 8m4s 65 2m37s 6h2m 6h2m 6h2m 6h2m 6h2m 6h2m 6h2m 6h2m	
<pre>student@node-1:~\$ kubectl run W0425 15:29:58.312179 3529166 student@node-1:~\$ vim app2.yml student@node-1:~\$ cat app2.yml apiVersion: v1 kind: Pod metadata: labels: run: kuc8 name: kuc8 spec: containers: - image: nginx name: nginx name: nginx name: nginx name: nginx name: nginx name: consul student@node-1:~\$ kubectl creat pod/kuc8 created student@node-1:~\$ kubectl get ; NAME big-corp-app foo front-end-6bc87b9748-n7v8h fron</pre>	<pre>helpers. te -f ap pods READY 1/1 1/1 1/1 1/1 1/1 1/1 1/1 1/1 1/1 1/</pre>	p2.yml STATUS Running	rCreating RESTARTS 0 0 0 0 0 0 0 0 0	RESTARTS 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	AGE 6h2m 6h2m 6b2m 8m6s 8m4s 65 2m37s 6h2m 6h2m 6h2m 6h2m 6h2m 6h2m 6h2m 6h2m	







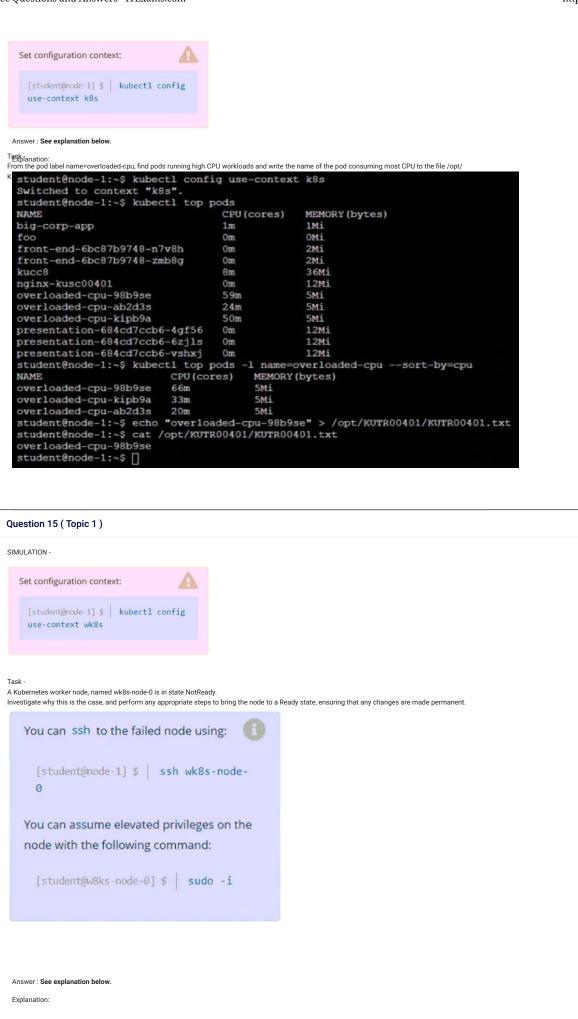
/bin/sh -c "tail -n+1 -f /var/log/big-cor p-app.log" Use a Volume, mounted at /var/log, to make the log file big-corp-app.log available to the sidecar container. Don't modify the specification of the existing container other than adding the required volume mount. Answer : See explanation below. Explanation: status: "True"
type: Initialized
- lastProbeTime: null
lastTransitionTime: "2022-04-25T09:28:442"
status: "True"
type: Ready
- lastProbeTime: null
lastTransitionTime: "2022-04-25T09:28:442"
status: "True"
type: ContainersReady
- lastProbeTime: null
lastTransitionTime: "2022-04-25T09:28:342"
status: "True"
type: FodScheduled
containerSRatuses:
- containerID: docker://f974ce520f4d10a7680ae51ebeaa29b11341ef304360463aacf416dd15bd951
image: lfcert/monitor:latest
imageID: docker-pullable://lfcert/monitor@sha256:9359c8ee1fbb89c25aed2cc0f3237079249d8f79c770f465b6c0575685499ad6
lastState: ()
name: monitor
ready: true
restatCount: 0
statted: true
states: tatus: Tru started: true state: running: running: startedAt: "2022-04-25T09:28:442" hostIP: 10.250.0.64 phase: Running podTP: 10.244.1.6 odIPs: ip: 10.244.1.6 - ip: 10.244.1.6 qosClass: BestEfort startfime: "2022-04-25T09:28:342" student@node-1:~\$ cp big-app.yml /tmp/ student@node-1:~\$ kubectl delete pods big-corp-app pod "big-corp-app" deleted student@node-1:~\$ vim big-app.yml

apiVersion: v1 kind: Pod
metadata:
anotations:
<pre>kubectl.kubernetes.io/last-applied-configuration: </pre>
<pre>ntainers":[{"env":[{"name":"LOG_FILENAME","value":"/var/log/big-corp-app.log"}],"image":"lfcert/monitor:latest", "name":"mo itor"]])</pre>
creationTimestamp: "2022-04-25T09:28:342"
name: big-corp-app
namespace: default resourceVersion: "4464"
uid: 7b7812a5-a550-4656-8039-d2705c9d3f64
<pre>spec: volumes:</pre>
- name: logs
emptyDir: () containers:
- image: busybox
name: sidecar command: ["/bin/sh"]
command: ["/bin/sh"] args: ["-c", "tail -n+1 -f /var/log/big-corp-app.log"]
volumeMounts: - name: logs
mountPath: /var/log
- env: - name: LOG FILENAME
value: /var/log/big-corp-app.log
<pre>image: lfcert/monitor:latest imagePullPolicy: Always</pre>
name: monitor
resources: {} terminationMessagePath: /dev/termination-log
terminationMessagePolicy: File
volumeMounts: - mountPath: /var/log
name: logs
dnsPolicy: ClusterFirst enableServiceLinks: true
nodeName: k8s-node-0
preemptionPolicy: PreemptLowerPriority priority: 0
restartPolicy: Always
schedulerName: default-scheduler securityContext: ()
serviceAccount: default
serviceAccountName: default terminationGracePeriodSeconds: 30
tolerations:
<pre>- effect: NoExecute key: node.kubernetes.io/not-ready</pre>
operator: Exists
tolerationSeconds: 309 - effect: NoExecute
key: node.kubernetes.io/unreachable
operator: Exists tolerationSeconds: 300
status:
conditions: - lastProbeTime: null
lastTransitionTime: "2022-04-25T09:28:34Z"
status: "True" type: Initialized
- lastProbeTime: muli
lastTransitionTime: "2022-04-25T09:28:44Z" status: "True"
type: Ready
- lastProbeTime: null lastTransitionTime: "2022-04-25T09:28:44z"
status: "True"
type: ContainersReady - lastProbeTime: null
lastTransitionTime: "2022-04-25T09:28:34Z"
status: "True" type: PodScheduled
containerStatuses:
- containerID: docker://f974ce520f4d10a7680ae51ebeaa29b111341ef304360463aacf416dd15bd951

Question 14 (Topic 1)

SIMULATION -

×



student@node-1:	:~\$ kubect1	get noo	ies				
AME	STATUS	ROLES			AGE	VERSION	
k8s-master-0	Ready	contro	ol-plane	,master	67d	v1.23.1	
k8s-node-0	NotReady	<none></none>				v1.23.1	
k8s-node-1	Ready	<none></none>				v1.23.1	
tudent@node-1:				rule0 a m		V1.23.1	
cudencenode-1:	->> Kubecti	descrit	be nodes	WK0S-II	ode-0		
	515382676						
hugepages-1Gi: 0 hugepages-2Mi: 0							
memory: 31	724872Ki						
pods: 11 ystem Info:	10						
Machine ID:	2107786af174	4dfbbf02d9f6	fac470b0				
System UUID:		9-cea1-d7eb- 1-4f61-b5c2-					
Boot ID: Kernel Version:	5.11.0-1028-		124090060261				
OS Image:	Ubuntu 20.04						
Operating System: Architecture:	linux amd64						
Container Runtime Vers	sion: docker://20.	10.7					
Kubelet Version: Kube-Proxy Version:	v1.23.1 v1.23.1						
odCIDR:	10.244.1.0/2	4					
odCIDRs:	10.244.1.0/2						
on-terminated Pods: Namespace	(2 in total) Name		CPU Requests	CPU Limits	Memory Reques	ts Memory Limits	A
kube-system	kube-flannel	-ds-rxbx8	100m (0%)	100m (0%)	50Mi (0%)	50Mi (0%)	6
kube-system	kube-proxy-x		0 (0%)	(80) 0	0 (0%)	0 (0%)	6
memory 50M ephemeral-storage 0 (hugepages-1Gi 0 (hugepages-2Mi 0 ()m (0%) 100m (0%) 4i (0%) 50Mi (0%) (0%) 0 (0%) (0%) 0 (0%) (0%) 0 (0%)						
<pre>memory 50M ephemeral-storage 0 (hugepages-1Gi 0 (hugepages-2Mi 0 (vents: <</pre>	fi (0%) 50Mi (0%) (0%) 0 (0%) (0%) 0 (0%) (0%) 0 (0%) me>	+0000				d	
<pre>memory 50M ephemeral-storage 0 (hugepages-1Gi 0 (hugepages-2Mi 0 (vents:</pre>	fi (0%) 50Mi (0%) (0%) 0 (0%) (0%) 0 (0%) (0%) 0 (0%) me> * * * *						
<pre>memory 50M ephemeral-storage 0 (hugepages-16i 0 (hugepages-2Mi 0 (vents: <no 2="" <unset="" acquirefine:="" ease:="" false="" holderidentity:="" mon,="" mschedulable:="" onditions:="" pre="" renewtime:="" st<="" tudent@node-1:-\$="" type="" wk8s-n=""></no></pre>	fi (0%) 50Mi (0%) (0%) 0 (0%) (0%) 0 (0%) (0%) 0 (0%) me>		Las	tTransitionTi	пе	d Reason	
<pre>memory 50M ephemeral-storage 0 (hugepages-16i 0 (hugepages-2Mi 0 (vents: <no 2="" <unset="" acquirefine:="" ease:="" false="" holderidentity:="" mon,="" mschedulable:="" onditions:="" pre="" renewtime:="" st<="" tudent@node-1:-\$="" type="" wk8s-n=""></no></pre>	fi (0%) 50Mi (0%) (0%) 0 (0%) (0%) 0 (0%) (0%) 0 (0%) me> * * * *		Las	tTransitionTi	Re 		
<pre>memory 50M ephemeral-storage 0 (huqepages-1Gi 0 (huqepages-2Mi 0 (vents:</pre>	fi (0%) 50Mi (0%) (0%) 0 (0%) (0%) 0 (0%) (0%) 0 (0%) one> c c c c c c c c c c c c c				me 09:21:15 +0000		
<pre>memory 50M ephemeral-storage 0 (hugepages-16i 0 (hugepages-2Mi 0 (rents: <no 2="" acquiretime:="" ease:="" fa="" false="" holderidentity:="" is="" maschedulable:="" mon,="" networkunavailable="" nnel="" on="" onditions:="" pre="" running="" sage="" st="" this<="" tudent@node-1:-\$="" type="" wk8s-n=""></no></pre>	fi (0%) 50Mi (0%) (0%) 0 (0%) (0%) 0 (0%) (0%) 0 (0%) one> hode-0 > Status LastHeartbe alse Mon, 25 Apr node	eatTime		, 25 Apr 2022		Reason	1
<pre>memory 50M ephemeral-storage 0 (hugepages-16i 0 (hugepages-2Mi 0 (rents: <no 2="" <unset="" acquiretime:="" ease:="" fa="" false="" holderidentity:="" is="" let="" m="" memorypressure="" mon,="" networkunavailable="" nnel="" nod<="" nschedulable:="" on="" onditions:="" posting="" pre="" renewtime:="" running="" sage="" st="" stopped="" this="" tudent@node-1:-\$="" type="" u="" wk8s=""></no></pre>	<pre>fi (0%) 50Mi (0%) (0%) 0 (0%) (0%) 0 (0%) one> > >> >> catus LastHeartbe </pre>	atTime 2022 09:21:1 2022 09:25:2	 15 +0000 Mor 20 +0000 Mor	, 25 Apr 2022 , 25 Apr 2022	 09:21:15 +0000 09:30:07 +0000	Reason FlannelIsUp NodeStatusUnknown	
<pre>memory 50M ephemeral-storage 0 (hugepages-1Gi 0 (hugepages-2Mi 0 (vents:</pre>	<pre>fi (0%) 50Mi (0%) (0%) 0 (0%) (0%) 0 (0%) one> node=0 > 25 Apr 2022 09:29:25 catus LastHeartbe alse Mon, 25 Apr node Mon, 25 Apr node Mon, 25 Apr is status.</pre>	atTime 2022 09:21:1 2022 09:25:2 2022 09:25:2		, 25 Apr 2022 , 25 Apr 2022 , 25 Apr 2022	 09:21:15 +0000 09:30:07 +0000 09:30:07 +0000	Reason FlannelIsUp NodeStatusUnknown NodeStatusUnknown	1
<pre>memory 50M ephemeral-storage 0 (hugepages-1Gi 0 (hugepages-1Gi 0 (hugepages-2Mi 0 (vents: <no 2="" <="" acquiretime:="" diskpressure="" ease:="" elet="" fa="" false="" holderidentity:="" is="" maschedulable:="" memorypressure="" networkunavailable="" nnel="" nod="" on="" onditions:="" posting="" pre="" running="" sage="" st="" stopped="" this="" tudent@node-1:-\$="" type="" un="" wk8s-n="" won,=""></no></pre>	<pre>fi (0%) 50Mi (0%) (0%) 0 (0%) (0%) 0 (0%) one> hode=0 >> Status LastHeartbe </pre>	atTime 2022 09:21:1 2022 09:25:2		, 25 Apr 2022 , 25 Apr 2022 , 25 Apr 2022	 09:21:15 +0000 09:30:07 +0000	Reason FlannelIsUp NodeStatusUnknown	1
<pre>memory 50M ephemeral-storage 0 (hugepages-16i 0 (hugepages-2Mi 0 (rents: <no 2="" acquiretime:="" ease:="" elet="" fa="" false="" holderidentity:="" is="" memorypressure="" mon,="" networkunavailable="" nnel="" nod="" nschedulable:="" on="" onditions:="" piskressure="" posting="" pre="" ready="" running="" sage="" st="" stopped="" this="" tudent@node-1:-\$="" type="" un="" un<="" wk8s-n=""></no></pre>	<pre>fi (0%) 50Mi (0%) (0%) 0 (0%) (0%) 0 (0%) one> node-0 > tatus LastHeartbe </pre>	2022 09:21:1 2022 09:25:2 2022 09:25:2 2022 09:25:2	 15 +0000 Mor 20 +0000 Mor 20 +0000 Mor 20 +0000 Mor	, 25 Apr 2022 , 25 Apr 2022 , 25 Apr 2022 , 25 Apr 2022	 09:21:15 +0000 09:30:07 +0000 09:30:07 +0000	Reason FlannelisUp NodeStatusUnknown NodeStatusUnknown NodeStatusUnknown	1
<pre>memory 50M ephemeral-storage 0 (hugepages-1Gi 0 (hugepages-1Gi 0 (vents: < no cudent@node-1:-\$ mschedulable: false ease: HolderIdentity: wk8s-n AcquireTime: wk8s-n AcquireTime: </pre> AcquireTime: AcquireTime: Mon, 2 conditions: Type St sage NetworkUnavailable Fa nnel is running on this MemoryPressure Un elet stopped posting nod Ready Elet stopped posting nod Ready	<pre>fi (0%) 50Mi (0%) (0%) 0 (0%) (0%) 0 (0%) one> node-0 > tatus LastHeartbe </pre>	2022 09:21:1 2022 09:25:2 2022 09:25:2 2022 09:25:2	 15 +0000 Mor 20 +0000 Mor 20 +0000 Mor 20 +0000 Mor	, 25 Apr 2022 , 25 Apr 2022 , 25 Apr 2022 , 25 Apr 2022	 09:21:15 +0000 09:30:07 +0000 09:30:07 +0000 09:30:07 +0000	Reason FlannelisUp NodeStatusUnknown NodeStatusUnknown NodeStatusUnknown	1
<pre>memory 50M ephemeral-storage 0 (hugepages-1Gi 0 (hugepages-2Mi 0 (vents: <no 10.250.5.5<="" 2="" acquiretime:="" biskpressure="" ddresses:="" ease:="" elet="" fa="" false="" holderidentity:="" internalip:="" is="" mel="" memorypressure="" mon,="" mschedulable:="" networkunavailable="" nod="" on="" onditions:="" posting="" pre="" running="" sage="" st="" stopped="" this="" tudent@node-1:-\$="" type="" un="" vunset="" wk8s-n=""></no></pre>	<pre>fi (0%) 50Mi (0%) (0%) 0 (0%) (0%) 0 (0%) 0%) 0 (0%) one> hode=0 >> 25 Apr 2022 09:29:25 catus LastHeartbe allse Mon, 25 Apr hode Nnown Mon, 25 Apr de status. Nnown Mon, 25 Apr de status. Nnown Mon, 25 Apr de status. Nnown Mon, 25 Apr de status.</pre>	2022 09:21:1 2022 09:25:2 2022 09:25:2 2022 09:25:2	 15 +0000 Mor 20 +0000 Mor 20 +0000 Mor 20 +0000 Mor	, 25 Apr 2022 , 25 Apr 2022 , 25 Apr 2022 , 25 Apr 2022	 09:21:15 +0000 09:30:07 +0000 09:30:07 +0000 09:30:07 +0000	Reason FlannelisUp NodeStatusUnknown NodeStatusUnknown NodeStatusUnknown	1
<pre>memory 50M ephemeral-storage 0 (hugepages-1Gi 0 (hugepages-2Mi 0 (vents:</pre>	<pre>fi (0%) 50Mi (0%) (0%) 0 (0%) (0%) 0 (0%) 0%) 0 (0%) one> hode=0 >> 25 Apr 2022 09:29:25 catus LastHeartbe allse Mon, 25 Apr hode Nnown Mon, 25 Apr de status. Nnown Mon, 25 Apr de status. Nnown Mon, 25 Apr de status. Nnown Mon, 25 Apr de status.</pre>	2022 09:21:1 2022 09:25:2 2022 09:25:2 2022 09:25:2	 15 +0000 Mor 20 +0000 Mor 20 +0000 Mor 20 +0000 Mor	, 25 Apr 2022 , 25 Apr 2022 , 25 Apr 2022 , 25 Apr 2022	 09:21:15 +0000 09:30:07 +0000 09:30:07 +0000 09:30:07 +0000	Reason FlannelisUp NodeStatusUnknown NodeStatusUnknown NodeStatusUnknown	1
<pre>memory 50M ephemeral-storage 0 (hugepages-1Gi 0 (hugepages-2Mi 0 (vents:</pre>	<pre>fi (0%) 50Mi (0%) (0%) 0 (0%) (0%) 0 (0%) (0%) 0 (0%) one> mode=0 >> 25 Apr 2022 09:29:25 catus LastHeartbe stus LastHeartbe node Non, 25 Apr node thrown Mon, 25 Apr de status. Norwm Mon, 25 Apr de status. Size 0</pre>	2022 09:21:1 2022 09:25:2 2022 09:25:2 2022 09:25:2	 15 +0000 Mor 20 +0000 Mor 20 +0000 Mor 20 +0000 Mor	, 25 Apr 2022 , 25 Apr 2022 , 25 Apr 2022 , 25 Apr 2022	 09:21:15 +0000 09:30:07 +0000 09:30:07 +0000 09:30:07 +0000	Reason FlannelisUp NodeStatusUnknown NodeStatusUnknown NodeStatusUnknown	1
memory 50M ephemeral-storage 0 (hugepages-16i 0 (hugepages-2Mi 0 (vents: <no tudent@node-1:-\$ nschedulable: false ease: HolderIdentity: wk8s-n AcquireTime: <unset RenewTime: Mon, 2 onditions: Mon, 2 onditions: Type St sage </unset </no 	<pre>fi (0%) 50Mi (0%) (0%) 0 (0%) (0%) 0 (0%) 0%) 0 (0%) one> hode=0 >> 25 Apr 2022 09:29:25 catus LastHeartbe allse Mon, 25 Apr hode Nnown Mon, 25 Apr de status. Nnown Mon, 25 Apr de status. Nnown Mon, 25 Apr de status. Nnown Mon, 25 Apr de status.</pre>	2022 09:21:1 2022 09:25:2 2022 09:25:2 2022 09:25:2	 15 +0000 Mor 20 +0000 Mor 20 +0000 Mor 20 +0000 Mor	, 25 Apr 2022 , 25 Apr 2022 , 25 Apr 2022 , 25 Apr 2022	 09:21:15 +0000 09:30:07 +0000 09:30:07 +0000 09:30:07 +0000	Reason FlannelisUp NodeStatusUnknown NodeStatusUnknown NodeStatusUnknown	1
memory 50M ephemeral-storage 0 (hugepages-16i 0 (hugepages-2Mi 0 (vents: <no tudent@node-1:-\$ nschedulable: false ease: HolderIdentity: wk8s-n AcquireTime: <unset RenewTime: Mon, 2 onditions: Type St sage </unset </no 	<pre>fi (0%) 50Mi (0%) (0%) 0 (0%) (0%) 0 (0%) one> compose</pre>	2022 09:21:1 2022 09:25:2 2022 09:25:2 2022 09:25:2	 15 +0000 Mor 20 +0000 Mor 20 +0000 Mor 20 +0000 Mor	, 25 Apr 2022 , 25 Apr 2022 , 25 Apr 2022 , 25 Apr 2022	 09:21:15 +0000 09:30:07 +0000 09:30:07 +0000 09:30:07 +0000	Reason FlannelisUp NodeStatusUnknown NodeStatusUnknown NodeStatusUnknown	1
memory 50M ephemeral-storage 0 (hugepages-1Gi 0 (hugepages-1Gi 0 (hugepages-2Mi 0 (vents: <no tudent@node-1:-\$ mschedulable: false ease: HolderIdentity: wk8s-n AcquireTime: <unset RenewTime: Mon, 2 conditions: Mon, 2 c</unset </no 	<pre>fi (0%) 50Mi (0%) (0%) 0 (0%) (0%) 0 (0%) 00%) 0 (0%) one> hode=0 >> Status LastHeartbe class Mon, 25 Apr node hknown Mon, 25 Apr de status. hknown Mon, 25 Apr de status. hkn</pre>	2022 09:21:1 2022 09:25:2 2022 09:25:2 2022 09:25:2	 15 +0000 Mor 20 +0000 Mor 20 +0000 Mor 20 +0000 Mor	, 25 Apr 2022 , 25 Apr 2022 , 25 Apr 2022 , 25 Apr 2022	 09:21:15 +0000 09:30:07 +0000 09:30:07 +0000 09:30:07 +0000	Reason FlannelisUp NodeStatusUnknown NodeStatusUnknown NodeStatusUnknown	1
memory 50M ephemeral-storage 0 (hugepages-1Gi 0 (hugepages-2Mi 0 (vents: <no tudent@node-1:-\$ mschedulable: false ease: false ease: KenewTime: wk8s-n AcquireTime: vunset RenewTime: wk8s-n sage Type St sage mnel is running on this MemoryPressure Un belet stopped posting nod Diskressure In belet stopped posting nod dist</no 	<pre>fi (0%) 50Mi (0%) (0%) 0 (0%) (0%) 0 (0%) 00%) 0 (0%) one> hode=0 >> Status LastHeartbe class Mon, 25 Apr node hknown Mon, 25 Apr de status. hknown Mon, 25 Apr de status. hkn</pre>	2022 09:21:1 2022 09:25:2 2022 09:25:2 2022 09:25:2	 15 +0000 Mor 20 +0000 Mor 20 +0000 Mor 20 +0000 Mor	, 25 Apr 2022 , 25 Apr 2022 , 25 Apr 2022 , 25 Apr 2022	 09:21:15 +0000 09:30:07 +0000 09:30:07 +0000 09:30:07 +0000	Reason FlannelisUp NodeStatusUnknown NodeStatusUnknown NodeStatusUnknown	1
memory 50M ephemeral-storage 0 (hugepages-1Gi 0 (hugepages-1Gi 0 (hugepages-2Mi 0 (vents: tudent@node-1:~\$ HolderIdentity: wk8s-n AcquireTime: false Lease: HolderIdentity: wk8s-n AcquireTime: <unset RenewTime: Mon, 2 Conditions: Type 3 to sage NetworkUnavailable Fa annel is running on this MemoryPressure Un belet stopped posting nod DiskPressure Un belet stopped posting nod DiskPressure Un belet stopped posting nod Addresses: InternalP: 10.250.5.5 Hostname: wk8s-node- Capacity: 16 ephemeral-storage: 710 hugepages-2Mi: 0 hugepages-2Mi: 0 memory: 318 pods: 110</unset 	<pre>fi (0%) 50Mi (0%) (0%) 0 (0%) (0%) 0 (0%) 00%) 0 (0%) one> hode=0 >> Status LastHeartbe class Mon, 25 Apr node hknown Mon, 25 Apr de status. hknown Mon, 25 Apr de status. hkn</pre>	2022 09:21:1 2022 09:25:2 2022 09:25:2 2022 09:25:2	 15 +0000 Mor 20 +0000 Mor 20 +0000 Mor 20 +0000 Mor	, 25 Apr 2022 , 25 Apr 2022 , 25 Apr 2022 , 25 Apr 2022	 09:21:15 +0000 09:30:07 +0000 09:30:07 +0000 09:30:07 +0000	Reason FlannelisUp NodeStatusUnknown NodeStatusUnknown NodeStatusUnknown	1

	ephemeral-storage:		2676						
	hugepages-1Gi: hugepages-2Mi:	0 0							
	memory: pods:	3172487: 110	2Ki						
	System Info: Machine ID:		2107786af1744dfbbf02	dofe	fac470b0				
	System UUID: Boot ID: Kernel Version: OS Image:		ec22a34d-9b09-cea1-d 3b22c15f-7dd1-4f61-b 5.11.0-1028-aws Ubuntu 20.04.3 LTS	7eb-	1b47b08d2151				
	Operating System: Architecture: Container Runtime V		linux amd64						
	Kubelet Version: Kube-Proxy Version: PodCIDR:		v1.23.1 v1.23.1 10.244.1.0/24						
	POdCIDR: PodCIDRs: Non-terminated Pods:		10.244.1.0/24 10.244.1.0/24 (2 in total)						
	Non-terminated Pods: Namespace		(2 in total) Name		CPU Requests	CPU Limits	Memory Requests	Memory Limits	Age
	kube-system		kube-flannel-ds-rxbx		100m (0%)	100m (0%)	50Mi (0%)	50Mi (0%)	67d
		be over 1	<pre>kube-proxy-xfxzm 00 percent, i.e., ove Limits</pre>	rcom	0 (0%) mitted.)	0 (0%)	0 (0%)	0 (0%)	67d
	cpu	100m (0%)	100m (0%)						
	ephemeral-storage hugepages-1Gi hugepages-2Mi	0 (0%) 0 (0%) 0 (0%)) 50Mi (0%) 0 (0%) 0 (0%) 0 (0%)						
	Events: student@node-1:~\$ kub Switched to context "		fig use-context wk8s						
	student@node-1:~\$ kuk NAME STATU wk8s-master-0 Ready wk8s-node-0 NotRe wk8s-node-1 Ready student@node-1:~\$ ssh Warning: Permanently	ectl get S ROI ady <no wk8s-noo added '10</no 	LES htrol-plane,master pone> ble=0 0.250.5.52' (ECDSA) to	67d 67d o the	v1.23.1 v1.23.1 v1.23.1 e list of known	n hosts.			
	<pre>welcome to Ubuntu 20. * Documentation: ht</pre>			28-au	vs x86_64)				
	* Management: ht * Support: ht	tps://lar tps://ubu	dscape.canonical.com intu.com/advantage						
			Apr 25 09:31:01 UTC	2022					
	System load: 2.05 Usage of /: 83.2% Memory usage: 0% Swap usage: 0%	of 67.79	Processes: GB Users logged in IPv4 address for IPv4 address for	r doo	40 0 :ker0: 172.17. 10: 10.250.	0.1			
	30 updates can be app 15 of these updates a To see these addition	re standa	rd security updates.		able				
	The list of available To check for new upda			old.					
	<pre>student@wk8s-node-0:~# s root@wk8s-node-0:~# s Created symlink /etc/ root@wk8s-node-0:~# s root@wk8s-node-0:~# s</pre>	ystemctl systemd/s ystemctl	enablenow kubelet system/multi-user.tare restart kubelet	get.w	wants/kubelet.	service → /l	ib/systemd/system	/kubelet.service	5.
	The list of availabl To check for new upd			k ol	d.				
		systemct /systemd, systemct systemct kubelet:	l enablenow kubel /system/multi-user.t l restart kubelet	arge Age	nt			ystem/kubelet.se	ervice.
Page: Total 2	Drop-In: /etc/sy 10-ku Active: active Docs: https:/	stemd/sys beadm.com (running) /kubernet	stem/kubelet.service nf, 11-cgroups.conf) since Mon 2022-04- tes.io/docs/home/ Pre=/bin/sleep 10 (c	.d 25 1	10 questio 5:53:40 OTC;	ons per page 🗸			
	Main PID: 48285 (Tasks: 27 (lim Memory: 36.6M CPU: 530ms	kubelet) it: 3728	1)						
	CGroup: /system 48285		n/kubeletbootstra	p-kul	beconfig=/etc	/kubernetes,	/bootstrap-kubele	st.confkubeco	onfig=/etc/kube>
	Apr 25 15:53:41 wk8s Apr 25 15:53:41 wk8s	-node-0 1 -node-0 1 -node-0 1 -node-0 1 -node-0 1 -node-0 1 -node-0 1 -node-0 1	kubelet[48285]: 1042 kubelet[48285]: 1042 kubelet[48285]: 1042 kubelet[48285]: 1042 kubelet[48285]: 1042 kubelet[48285]: 1042 kubelet[48285]: 1042 kubelet[48285]: 1042	5 15 5 15 5 15 5 15 5 15 5 15 5 15 5 15	:53:41.281123 :53:41.281155 :53:41.281178 :53:41.281199 :53:41.28129 :53:41.28129 :53:41.281310 :53:41.281310	48285 red 48285 red 48285 red 48285 red 48285 red 48285 red 48285 red 48285 red	pology_manager.go conciler.go:216] conciler.go:216] conciler.go:216] conciler.go:216] conciler.go:216] conciler.go:216] conciler.go:216] conciler.go:216]	"operationExect "operationExect "operationExect "operationExect "operationExect "operationExect "operationExect	<pre>itor.VerifyCont> itor.VerifyCont> itor.VerifyCont> itor.VerifyCont> itor.VerifyCont> itor.VerifyCont> itor.VerifyCont> itor.VerifyCont></pre>
	root@wk8s-node-0:~# o								
	student@wk8s-node-0: logout								
	Connection to 10.250 student@node-1:~\$ ku								
	NAME STAT	US ROLE	IS I	AGE	VERSION				
	wk8s-master-0 Read wk8s-node-0 Read wk8s-node-1 Read student@node-1:~\$	y <nor< td=""><td>ie></td><td>67d 67d 67d</td><td>v1.23.1 v1.23.1 v1.23.1</td><td></td><td></td><td></td><td></td></nor<>	ie>	67d 67d 67d	v1.23.1 v1.23.1 v1.23.1				



apiVersion: v1							
kind: Pod metadata:							
name: web-serv	or						
spec:	er						
volumes:							
- name: task	-pv-stora	ge					
persistent							
claimNam	e: pv-volu	ume					
containers:							
- name: web-							
image: ngi							
volumeMoun							
		E/ Share					
name:	task-pv-st	corage					
student@node-1:~\$ kubect1 confi	g use-context ok8s	5					
Switched to context "ok8s". student@node-1:~\$ vim pvc.yml							
student@node-1:~\$ kubectl get p No resources found							
<pre>student@node-1:~\$ kubectl creat persistentvolumeclaim/pv-volume</pre>	e created						
student@node-1:~\$ kubectl get p NAME			CAPACITY	ACCESS MODES	RECLAIM POLI	CY STATUS	CLAIM
STORAGECLASS REAS persistentvolume/pvc-6b6c71cb-5 volume csi-hostpath-sc		737097eb	10Mi	RWO	Delete	Bound	default/pv-
NAME	STATUS VOLUME	8			CAPACITY A	CCESS MODES	STORAGECLA
S AGE persistentvolumeclaim/pv-volume	Bound pvc-6b	6c71cb-558d	-4b47-a0dk	-3951737097eb	10Mi R	WO	csi-hostpa
h-sc 3s student@node-1:~\$							
<pre>student@node-1:~\$ student@node-1:~\$ vim pod.yml</pre>							
<pre>student@node-1:~\$ kubect1 creat pod/web-server created</pre>							
	STATUS	RESTARTS	AGE				
csi-hostpathplugin-0 9/9	Running Running	0	6h12m 6h12m				
student@node-1:~\$ kubectl get p	ContainerCreating		55				
	STATUS Running	RESTARTS 0	AGE 6h12m				
csi-hostpathplugin-0 9/9	Running ContainerCreating	0	6h12m 10s				
web-server 1/1 ^Cstudent@node-1:~\$ kubectl get	Running		22s				
NAME READY	STATUS RESTARTS Running 0	AGE 6h12m					
csi-hostpathplugin-0 9/9	Running 0 Running 0	6h12m 27s					
student@node-1:~\$ kubect1 edit							
A places with the ship	at het av the			the second second			
		edit. If	an erro				
apiVersion: v1							
kind: PersistentVolume	Claim						
<pre>pv.kubernetes.io/bo volume.beta.kuberne</pre>				hostpath.cs	si.k8s.io		
<pre>creationTimestamp: " finalizers:</pre>							
- kubernetes.io/pvc-p	protection						
name: pv-volume namespace: default							
	412*						
uid: 6b6c71cb-558d-4h spec:	b4/-a0db-3951	/3/09/eb					
- ReadWriteOnce resources:							
storage: 70Mi storageClassName: csi	i-hostpath-sc						
volumeMode: Filesyste	em	7	5120201	17.ch			
volumeName: pvc-6b6c7 status:	71cb-558d-4b47	7-a0db-39	5173709	97eb			
 ReadWriteOnce capacity: 							
storage: 10Mi							
:Wg							
uportion 17 (Tonio 1)							

×

Question 17 (Topic 1)

