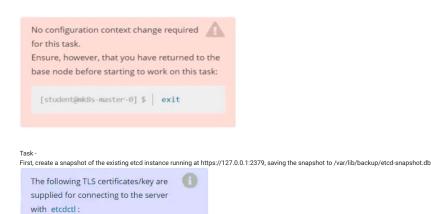


| Student@node-1:~\$ Kubect1 config use-conte  | XT MK85  |
|--|--|
| Studentenode-1:-> kubecti conlig use-conte<br>Switched to context "mk8s".<br>student@node-1:-\$ kubecti config use-conte<br>Switched to context "mk8s".<br>student@node-1:-\$ kubecti get nodes<br>NAME STATUS ROLES | xt mk8s  |
| Switched 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<br>AGE VERSION<br>67d V1.22.1<br>67d V1.22.1<br>kube-system/kube-flannel-ds-jxzmk, kube-system/kube-proxy-9rzg9<br>8-tt2b8<br>8-nbkmz<br>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' (<br>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<br>* 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<br>dress for eth0: 10.250.5.55   |
| Processes: 85  |  |
|  |  |
| 30 updates can be applied immediately.<br>15 of these updates are standard security<br>To see these additional updates run: apt l  |  |
| The list of available updates is more than<br>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<br>Get:2 https://packages.cloud.google.com/ap   | and 27 not upgraded.<br>sk space will be used.<br>t kubernetes-xenial/main amd64 kubelet amd64 1.22.2-00 [21.9 MB]<br>t kubernetes-xenial/main amd64 kubect1 amd64 1.22.2-00 [9038 kB]<br>t kubernetes-xenial/main amd64 kubeadm amd64 1.22.2-00 [8718 kB]<br>ctories currently installed.)<br>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<br>Preparing to unpack/kubelet 1.22.2-00  | ctories currently installed.)  |
| Unpacking kubelet (1.22.2-00) over (1.22.1<br>Preparing to unpack/kubectl 1.22.2-00<br>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)<br>-00)<br>-00)<br>1.22.2-00 kubelet=1.22.2-00 kubect1=1.22.2-00<br>2.2-00).<br>2.2-00).<br>2.2-00).<br>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<br/>[upgrade/versions] Cluster version: v1.22.<br/>[upgrade/versions] kubeadm version: v1.22.</pre>  |  |
| [upgrade/versions] kubeadm version: v1.22.   |  |
|  |  |
|  |  |

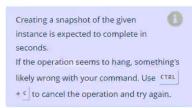
Question 4 ( Topic 1 )

SIMULATION -

×<sup>4</sup>



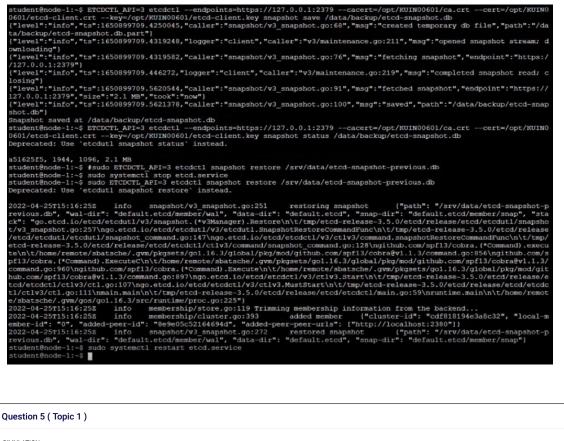
- CA certificate: /opt/KUIN00601/ca.crt
   Client certificate:
- /opt/KUIN00601/etcd-client.crt
  Client kev:
- /opt/KUIN00601/etcd-client.key



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 **\*** 

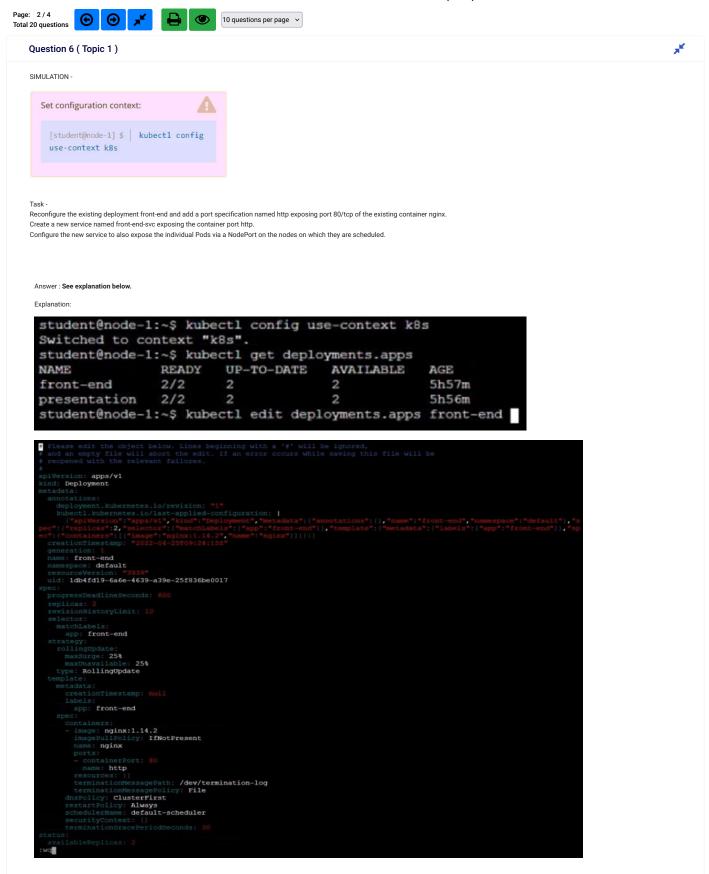
Task Create a new NetworkPolicy named allow-port-from-namespace in the existing namespace fubar. Ensure that the new NetworkPolicy allows Pods in namespace internal to connect to port 9000 of Pods in namespace fubar. Further ensure that the new NetworkPolicy: ⇔ does not allow access to Pods, which don't 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

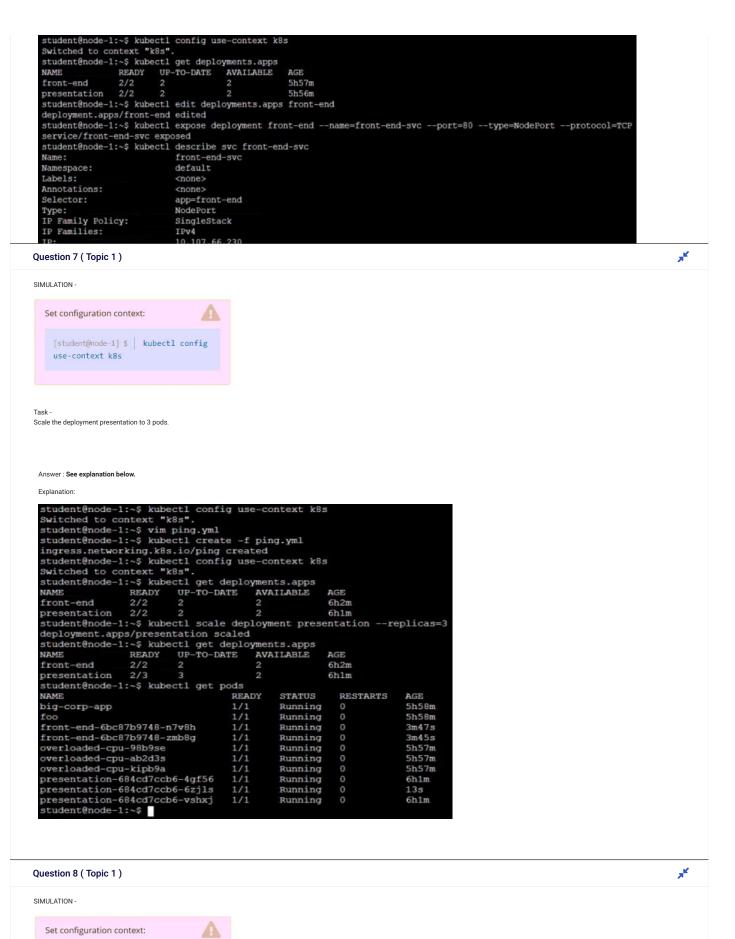
Page: 1 / 4 Total 20 questions

Next Page 🕣

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10 questions per page v





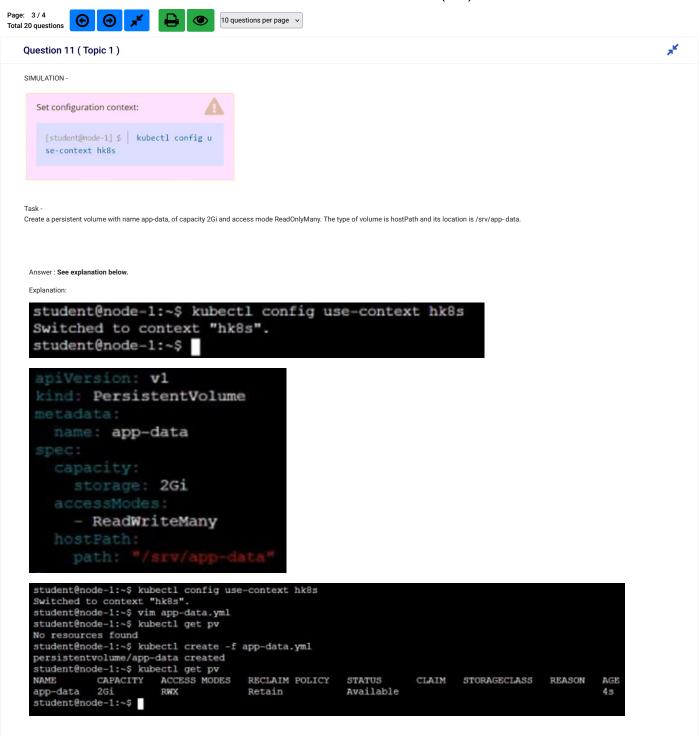
[student@node-1] \$ | kubectl config use-context k8s

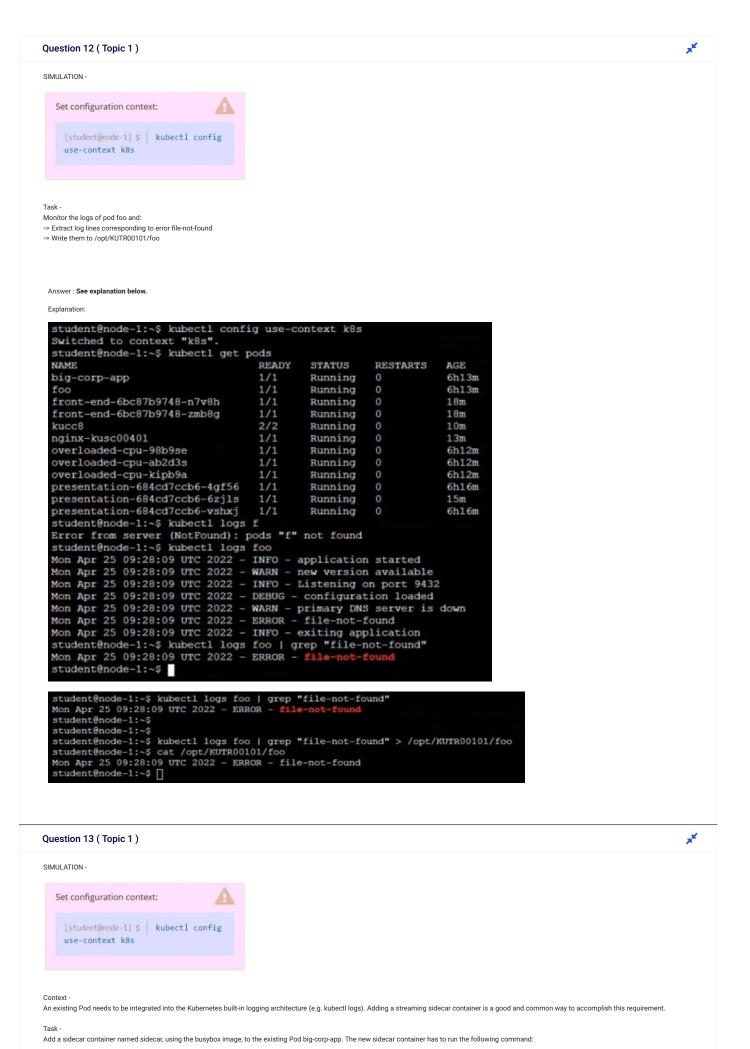
Task -Schedule a pod as follows: & Name: nginx-kusc00401



| Set configuration context:   | -  | 4  |  |   |  |             |
|--|--|--|--|---|--|-------------|
| [student@node-1] \$ kubectl c  | onfig us   |  |  |   |  |             |
| e-context k8s  |  |  |  |   |  |             |
|  |  |  |  |   |  |             |
|  |  |  |  |   |  |             |
| ask -<br>chedule a Pod as follows:   |  |  |  |   |  |             |
| <ul> <li>Name: kucc8</li> <li>App Containers: 2</li> </ul>   |  |  |  |   |  |             |
| <ul> <li>Container Name/Images:<br/>nginx</li> </ul>   |  |  |  |   |  |             |
| 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<br>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<br>W0425 15:29:58.312179 3529166 3  | kucc8<br>helpers.  | image=ngin<br>go:598]  | xdry-run<br>dry-run is   | -o yaml ><br>deprecated   | app2.yml<br>and can be replaced withdry-run=client.  |             |
| student@node-1:~\$ kubect1 run :   | kucc8<br>helpers.  | image=ngin<br>go:598]  | xdry-rur<br>dry-run is   | 1 -o yaml ><br>deprecated   | app2.yml<br>and can be replaced withdry-run=client.  |             |
| student@node-i:~\$ kubectl run<br>W0425 15:29:58.312179 3529166 ;<br>student@node-1:~\$ vim app2.yml<br>student@node-1:~\$ cat app2.yml<br>apiVersion: v1<br>kind: Pod   | kucc8<br>helpers.  | image=ngin<br>go:598]  | xdry-run<br>dry-run is   | i −o yaml ><br>deprecated   | app2.yml<br>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<br>helpers.  | image=ngin<br>go:598]  | xdry-rur<br>dry-run is   | i -o yaml ><br>deprecated   | app2.yml<br>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<br>helpers.  | image=ngin<br>go:598]  | xdry-run<br>dry-run is   | i -o yaml ><br>deprecated   | app2.yml<br>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<br>helpers.  | image=ngin<br>go:598]  | xdry-run<br>dry-run is   | ı -o yaml ><br>deprecated   | app2.yml<br>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 ><br>deprecated   | app2.yml<br>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.<br>te -f ap<br>pods   | go:598]<br>p2.yml  | xdry-run<br>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<br>pods<br>READY<br>1/1   | go:598]<br>p2.yml<br>STATUS<br>Running   | xdry-run<br>dry-run is   | RESTARTS<br>0   | AGE<br>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<br>pods<br>READY<br>1/1<br>1/1  | go:598]<br>p2.yml<br>STATUS<br>Running<br>Running<br>Running   | xdry-run<br>dry-run is   | RESTARTS<br>0<br>0<br>0   | AGE<br>6h2m<br>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<br>pods<br>READY<br>1/1<br>1/1<br>1/1<br>1/1<br>0/2                                   | p2.yml<br>STATUS<br>Running<br>Running<br>Running<br>Containe  | xdry-run<br>dry-run is<br>rCreating  | RESTARTS<br>0<br>0<br>0<br>0<br>0   | AGE<br>6h2m<br>6h2m<br>653<br>8m6s<br>8m4s<br>65   |             |
| <pre>student@node-1:~\$ kubect1 run<br/>W0425 15:29:58.312179 3529166<br/>student@node-1:~\$ vim app2.yml<br/>apiVersion: v1<br/>kind: Pod<br/>metadata:<br/>labels:<br/>run: kucc8<br/>name: kucc8<br/>spec:<br/>containers:<br/>- image: nginx<br/>name: nginx<br/>name: consul<br/>student@node-1:~\$ kubect1 creat<br/>pod/kucc8 created<br/>student@node-1:~\$ kubect1 get ;<br/>NAME<br/>big-corp-app<br/>foo<br/>front-end-6bc87b9748-n7v8h<br/>front-end-6bc87b9748-n7v8h<br/>front-end-6bc87b9748-zmb8g<br/>kucc8<br/>mginx-kusc00401<br/>overloaded-cpu-98b9se</pre>   | te -f ap<br>pods<br>READY<br>1/1<br>1/1<br>1/1<br>1/1<br>1/1<br>1/1<br>1/1                     | p2.yml<br>STATUS<br>Running<br>Running<br>Running<br>Containe<br>Running<br>Running  | dry-run is   | RESTARTS<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0 | AGE<br>6h2m<br>6b2m<br>8m4s<br>6s<br>2m37s<br>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<br>pods<br>READY<br>1/1<br>1/1<br>1/1<br>1/1<br>1/1<br>1/1<br>1/1<br>1/1              | p2.yml<br>STATUS<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running   | dry-run is   | RESTARTS<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0 | AGE<br>6h2m<br>6h2m<br>6h2m<br>6h2m<br>6h2m<br>6h2m<br>6h2m<br>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<br>pods<br>READY<br>1/1<br>1/1<br>1/1<br>1/1<br>1/1<br>1/1<br>1/1<br>1/1<br>1/1<br>1/ | go:598]<br>p2.yml<br>STATUS<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running   | dry-run is   | RESTARTS<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0 | AGE<br>6h2m<br>6h2m<br>6h2m<br>6b2m<br>6b2m<br>6b2m<br>6b2m<br>6b2m<br>6b2m<br>6b2m<br>6b  |             |
| <pre>student@node-i:~\$ kubect1 run<br/>W0425 15:29:58.312179 3529166 )<br/>student@node-1:~\$ vim app2.yml<br/>apiVersion: v1<br/>kind: Pod<br/>metadata:<br/>labels:<br/>run: kucc8<br/>name: kucc8<br/>spec:<br/>containers:<br/>- image: consul<br/>name: nginx<br/>- image: consul<br/>name: consul<br/>student@node-1:~\$ kubect1 creat<br/>pod/kucc8 created<br/>student@node-1:~\$ kubect1 get p<br/>NAME<br/>big-corp-app<br/>foo<br/>front-end-6bc87b9748-n7v8h<br/>front-end-6bc87b9748-n7v8h<br/>front-end-6bc87b9748-n7v8h<br/>front-end-6bc87b9748-zmb8g<br/>kucc8<br/>nginx-kusc00401<br/>overloaded-cpu-ab2d3s<br/>overloaded-cpu-kipb9a<br/>presentation-684cd7ccb6-4gf56<br/>presentation-684cd7ccb6-vshkj<br/>student@node-1:~\$ kubect1 get p<br/>foo<br/>front-end-foce7b54cd7ccb6-vshkj</pre>  | te -f ap<br>pods<br>READY<br>1/1<br>1/1<br>1/1<br>1/1<br>1/1<br>1/1<br>1/1<br>1/1<br>1/1<br>1/ | p2.yml<br>STATUS<br>Running<br>Running<br>Running<br>Containe<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running   | dry-run is   | RESTARTS<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0 | AGE<br>6h2m<br>6h2m<br>6b2m<br>8m6s<br>2m37s<br>6h2m<br>6h2m<br>6h2m<br>6h2m<br>6h2m<br>6h2m<br>6h2m<br>6h2m   |             |
| <pre>student@node-i:~\$ kubectl run i<br/>W0425 15:29:58.312179 3529166 )<br/>student@node-1:~\$ vim app2.yml<br/>apiVersion: vl<br/>kind: Pod<br/>metadata:<br/>labels:<br/>run: kucc8<br/>name: kucc8<br/>spec:<br/>containers:<br/>- image: name: kucc8<br/>spec:<br/>containers:<br/>- image: consul<br/>student@node-1:~\$ kubectl creat<br/>pod/kucc8 created<br/>student@node-1:~\$ kubectl get ;<br/>NAME<br/>big-corp-app<br/>foo<br/>front-end-6bc87b9748-n7v8h<br/>front-end-6bc87b9748-n7v8h<br/>front-end-6bc87b9748-n7v8h<br/>front-end-6bc87b9748-n7v8h<br/>front-end-6bc87b9748-n7v8h<br/>front-end-6bc87b9748-n7v8h<br/>front-end-6bc87b9748-n7v8h<br/>front-end-6bc87b9748-n7v8h<br/>front-end-6bc87b9748-n7v8h<br/>front-end-6bc87b9748-n7v8h<br/>front-end-6bc87b9748-n7v8h<br/>front-end-6bc87b9748-n7v8h<br/>front-end-6bc87b9748-n7v8h<br/>front-end-6bc87b9748-n7v8h<br/>front-end-6bc87b9748-n7v8h<br/>front-end-6bc87b9748-n7v8h<br/>front-end-6bc87b9748-n7v8h<br/>front-end-6bc87b9748-n7v8h<br/>front-end-6bc87b9748-n7v8h<br/>front-end-6bc87b9748-n7v8h<br/>front-end-6bc87b9748-n7v8h<br/>front-end-6bc87b9748-n7v8h<br/>front-end-6bc87b9748-n7v8h<br/>front-end-6bc87b9748-n7v8h<br/>front-end-6bc87b9748-n7v8h<br/>front-end-6bc87b9748-n7v8h<br/>front-end-6bc87b9748-n7v8h<br/>front-end-6bc87b9748-n7v8h<br/>front-end-6bc87b9748-n7v8h<br/>front-end-6bc87b9748-n7v8h<br/>front-end-6bc87b9748-n7v8h<br/>front-end-6bc87b9748-n7v8h<br/>front-end-6bc87b9748-n7v8h<br/>front-end-6bc87b9748-n7v8h<br/>front-end-6bc87b9748-n7v8h<br/>front-end-6bc87b9748-n7v8h<br/>front-end-6bc87b9748-n7v8h<br/>front-end-6bc87b9748-n7v8h<br/>front-end-6bc87b9748-n7v8h<br/>front-end-6bc87b9748-n7v8h<br/>front-end-6bc87b9748-n7v8h<br/>front-end-6bc87b9748-n7v8h<br/>front-end-6bc87b9748-n7v8h<br/>front-end-6bc87b9748-n7v8h<br/>front-end-6bc87b9748-n7v8h<br/>front-end-6bc87b9748-n7v8h<br/>front-end-6bc87b9748-n7v8h<br/>front-end-6bc87b9748-n7v8h<br/>front-end-6bc87b9748-n7v8h<br/>front-end-6bc87b9748-n7v8h<br/>front-end-6bc87b9748-n7v8h<br/>front-end-6bc87b9748-n7v8h<br/>front-end-6bc87b9748-n7v8h<br/>front-end-6bc87b9748-n7v8h<br/>front-end-6bc87b9748-n7v8h<br/>front-end-6bc87b9748-n7v8h<br/>front-end-6bc87b9748-n7v8h<br/>front-end-6bc87b9748-n7v8h<br/>front-end-6bc87b9748-n7v8h<br/>front-end-6bc87b9748-n7v8h<br/>front-end-6bc87b9748-n7v8h<br/>front-end-6bc87b9748-n7v8h<br/>f</pre>                 | te -f ap<br>pods<br>READY<br>1/1<br>1/1<br>1/1<br>1/1<br>1/1<br>1/1<br>1/1<br>1/1<br>1/1<br>1/ | p2.yml<br>STATUS<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running   | dry-run is   | RESTARTS<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0 | AGE<br>6h2m<br>6h2m<br>6h2m<br>6h2m<br>6h2m<br>6h2m<br>6h2m<br>6h2m  |             |
| <pre>student@node-i:~\$ kubectl run i<br/>W0425 15:29:58.312179 3529166 )<br/>student@node-1:~\$ vim app2.yml<br/>apiVersion: vl<br/>kind: Pod<br/>metadata:<br/>labels:<br/>run: kucc8<br/>name: kucc8<br/>spec:<br/>containers:<br/>- image: nginx<br/>name: nginx<br/>name: nginx<br/>name: consul<br/>student@node-1:~\$ kubectl creat<br/>pod/kucc8 created<br/>student@node-1:~\$ kubectl get p<br/>NAME<br/>big-corp-app<br/>foo<br/>front-end-6bc87b9748-n7v8h<br/>front-end-6bc87b9748-n7v8h<br/>front-end-6bc87b9748-n7v8h<br/>front-end-6bc87b9748-n7v8h<br/>gresentation-684cd7ccb6-4gf56<br/>presentation-684cd7ccb6-4gf56<br/>presentation-684cd7ccb6-4gf56<br/>presentation-684cd7ccb6-4gf56<br/>presentation-684cd7ccb6-4gf56<br/>presentation-684cd7ccb6-4gf56<br/>presentation-684cd7ccb6-4gf56<br/>presentation-684cd7ccb6-4gf56<br/>presentation-684cd7ccb6-4gf56<br/>presentation-684cd7ccb6-4gf56<br/>presentation-684cd7ccb6-4gf56<br/>presentation-684cd7ccb6-4gf56<br/>presentation-684cd7ccb6-4gf56<br/>presentation-684cd7ccb6-4gf56<br/>presentation-684cd7ccb6-4gf56<br/>presentation-684cd7ccb6-4gf56<br/>presentation-684cd7ccb6-4gf56<br/>presentation-684cd7ccb6-4gf56<br/>presentation-684cd7ccb6-4gf56<br/>presentation-684cd7ccb6-4gf56<br/>presentation-684cd7ccb6-4gf56<br/>presentation-684cd7ccb6-4gf56<br/>presentation-684cd7ccb6-4gf56<br/>presentation-684cd7ccb6-4gf56<br/>presentation-684cd7ccb6-4gf56<br/>presentation-684cd7ccb6-4gf56<br/>presentation-684cd7ccb6-4gf56<br/>presentation-684cd7ccb6-4gf56<br/>presentation-684cd7ccb6-4gf56<br/>presentation-684cd7ccb6-4gf56<br/>presentation-684cd7ccb6-4gf56<br/>presentation-684cd7ccb6-4gf56<br/>presentation-684cd7ccb6-4gf56<br/>presentation-684cd7ccb6-4gf56<br/>presentation-684cd7ccb6-4gf56<br/>presentation-684cd7ccb6-4gf56<br/>presentation-684cd7ccb6-4gf56<br/>presentation-684cd7ccb6-4gf56<br/>presentation-684cd7ccb6-4gf56<br/>presentation-684cd7ccb6-4gf56<br/>presentation-684cd7ccb6-4gf56<br/>presentation-684cd7ccb6-4gf56<br/>presentation-684cd7ccb6-4gf56<br/>presentation-684cd7ccb6-4gf56<br/>presentation-684cd7ccb6-4gf56<br/>presentation-684cd7ccb6-4gf56<br/>presentation-684cd7ccb6-4gf56<br/>presentation-684cd7ccb6-4gf56<br/>presentation-684cd7ccb6-4gf56<br/>presentation-684cd7ccb6-4gf56<br/>presentation-684cd7ccb6-4gf56<br/>presentation-684cd7ccb6-4gf56<br/>pr</pre>   | te -f ap<br>pods<br>READY<br>1/1<br>1/1<br>1/1<br>1/1<br>1/1<br>1/1<br>1/1<br>1/1<br>1/1<br>1/ | p2.yml<br>STATUS<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running  | dry-run is   | RESTARTS<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0 | AGE<br>6h2m<br>6h2m<br>6h2m<br>6h2m<br>6h2m<br>6h2m<br>6h2m<br>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<br>pods<br>READY<br>1/1<br>1/1<br>1/1<br>1/1<br>1/1<br>1/1<br>1/1<br>1/1<br>1/1<br>1/ | p2.yml<br>STATUS<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running  | dry-run is   | RESTARTS<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0 | AGE<br>6h2m<br>6h2m<br>6h2m<br>6h2m<br>6h2m<br>6h2m<br>6h2m<br>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<br>pods<br>READY<br>1/1<br>1/1<br>1/1<br>1/1<br>1/1<br>1/1<br>1/1<br>1/1<br>1/1<br>1/ | p2.yml<br>STATUS<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running  | dry-run is   | RESTARTS<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0 | AGE<br>6h2m<br>6h2m<br>6b2m<br>8m6s<br>8m4s<br>65<br>2m37s<br>6h2m<br>6h2m<br>6h2m<br>6h2m<br>6h2m<br>6h2m<br>6h2m<br>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<br>pods<br>READY<br>1/1<br>1/1<br>1/1<br>1/1<br>1/1<br>1/1<br>1/1<br>1/1<br>1/1<br>1/ | p2.yml<br>STATUS<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running   | dry-run is   | RESTARTS<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0 | AGE<br>6h2m<br>6h2m<br>8m6s<br>8m6s<br>9m4s<br>65<br>2m37s<br>6h2m<br>6h2m<br>6h2m<br>6h2m<br>6h2m<br>6h2m<br>6h2m<br>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<br>STATUS<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running | dry-run is   | RESTARTS<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0 | AGE<br>6h2m<br>6h2m<br>6h2m<br>6b2m<br>6b2m<br>6b2m<br>6b2m<br>6b2m<br>6b2m<br>6b2m<br>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<br>pods<br>READY<br>1/1<br>1/1<br>1/1<br>1/1<br>1/1<br>1/1<br>1/1<br>1/1<br>1/1<br>1/ | p2.yml<br>STATUS<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running 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| <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<br>pods<br>READY<br>1/1<br>1/1<br>1/1<br>1/1<br>1/1<br>1/1<br>1/1<br>1/1<br>1/1<br>1/ | p2.yml<br>STATUS<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running | dry-run is<br>rCreating<br>rCreating<br>RESTARTS   | RESTARTS<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0 | AGE<br>6h2m<br>6h2m<br>6b2m<br>8m6s<br>8m4s<br>65<br>2m37s<br>6h2m<br>6h2m<br>6h2m<br>6h2m<br>6h2m<br>6h2m<br>6h2m<br>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<br>pods<br>READY<br>1/1<br>1/1<br>1/1<br>1/1<br>1/1<br>1/1<br>1/1<br>1/1<br>1/1<br>1/ | p2.yml<br>STATUS<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running | dry-run is<br>rCreating<br>rCreating<br>RESTARTS<br>0  | RESTARTS<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0 | AGE<br>6h2m<br>6h2m<br>6b2m<br>8m6s<br>8m4s<br>65<br>2m37s<br>6h2m<br>6h2m<br>6h2m<br>6h2m<br>6h2m<br>6h2m<br>6h2m<br>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<br>pods<br>READY<br>1/1<br>1/1<br>1/1<br>1/1<br>1/1<br>1/1<br>1/1<br>1/1<br>1/1<br>1/ | p2.yml<br>STATUS<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running   | dry-run is<br>rCreating<br>rCreating<br>0<br>0<br>0  | RESTARTS<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0 | AGE<br>6h2m<br>6h2m<br>6b2m<br>8m6s<br>8m4s<br>65<br>2m37s<br>6h2m<br>6h2m<br>6h2m<br>6h2m<br>6h2m<br>6h2m<br>6h2m<br>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<br>pods<br>READY<br>1/1<br>1/1<br>1/1<br>1/1<br>1/1<br>1/1<br>1/1<br>1/1<br>1/1<br>1/ | p2.yml<br>STATUS<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Runni   | rCreating<br>RESTARTS<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0  | RESTARTS<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0 | AGE<br>6h2m<br>6h2m<br>6b2m<br>8m6s<br>8m4s<br>65<br>2m37s<br>6h2m<br>6h2m<br>6h2m<br>6h2m<br>6h2m<br>6h2m<br>6h2m<br>6h2m   |             |
| <pre>student@node-1:~\$ kubectl run i<br/>W0425 15:29:58.312179 3529166 )<br/>student@node-1:~\$ vim app2.yml<br/>apiVersion: v1<br/>kind: Pod<br/>metadata:<br/>labels:<br/>run: kucc8<br/>name: kucc8<br/>spec:<br/>containers:<br/>- image: nginx<br/>name: nginx<br/>- image: consul<br/>student@node-1:~\$ kubectl creat<br/>pod/kucc8 created<br/>student@node-1:~\$ kubectl get p<br/>NAME<br/>big-corp-app<br/>foo<br/>front-end-6bc87b9748-n7v8h<br/>front-end-6bc87b9748-n7v8h<br/>front-end-6bc87b9748-zmb8g<br/>kucc8<br/>nginx-kusc00401<br/>overloaded-cpu-ab2d3s<br/>overloaded-cpu-ab2d3s<br/>overloaded-cpu-ab2d3s<br/>overloaded-cpu-ab2d3s<br/>overloaded-cpu-ab2d3s<br/>overloaded-cpu-ab2d3s<br/>overloaded-cpu-ab2d3s<br/>overloaded-cpu-ab2d3s<br/>overloaded-cpu-ab2d3s<br/>overloaded-cpu-ab2d3s<br/>overloaded-cpu-ab2d3s<br/>overloaded-cpu-ab2d3s<br/>overloaded-cpu-ab2d3s<br/>overloaded-cpu-shp9a<br/>front-end-6bc87b9748-n7v8h<br/>front-end-6bc87b9748-n7v8h<br/>front-end-6bc87b9748-n7v8h<br/>front-end-6bc87b9748-n7v8h<br/>front-end-6bc87b9748-n7v8h<br/>front-end-6bc87b9748-n7v8h<br/>front-end-6bc87b9748-n7v8h<br/>front-end-6bc87b9748-n7v8h<br/>front-end-6bc87b9748-n7v8h<br/>front-end-6bc87b9748-n7v8h<br/>front-end-6bc87b9748-n7v8h<br/>front-end-6bc87b9748-n7v8h<br/>front-end-6bc87b9748-n7v8h<br/>front-end-6bc87b9748-n7v8h<br/>front-end-6bc87b9748-n7v8h<br/>front-end-6bc87b9748-n7v8h<br/>front-end-6bc87b9748-n7v8h<br/>front-end-6bc87b9748-n7v8h<br/>front-end-6bc87b9748-n7v8h<br/>front-end-6bc87b9748-n7v8h<br/>front-end-6bc87b9748-n7v8h<br/>front-end-6bc87b9748-n7v8h<br/>front-end-6bc87b9748-n7v8h<br/>front-end-6bc87b9748-n7v8h<br/>front-end-6bc87b9748-n7v8h<br/>front-end-6bc87b9748-n7v8h<br/>front-end-6bc87b9748-n7v8h<br/>front-end-6bc87b9748-n7v8h<br/>front-end-6bc87b9748-n7v8h<br/>front-end-6bc87b9748-n7v8h<br/>front-end-6bc87b9748-n7v8h<br/>front-end-6bc87b9748-n7v8h<br/>front-end-6bc87b9748-n7v8h<br/>front-end-6bc87b9748-n7v8h<br/>front-end-6bc87b9748-n7v8h<br/>front-end-6bc87b9748-n7v8h<br/>front-end-6bc87b9748-n7v8h<br/>front-end-6bc87b9748-n7v8h<br/>front-end-6bc87b9748-n7v8h<br/>front-end-6bc87b9748-n7v8h<br/>front-end-6bc87b9748-n7v8h<br/>front-end-6bc87b9748-n7v8h<br/>front-end-6bc87b9748-n7v8h<br/>front-end-6bc87b9748-n7v8h<br/>front-end-6bc87b9748-n7v8h<br/>front-end-6bc87b9748-n7v8h<br/>front-end-6bc87b9748-n7v8h<br/>front-end-6b</pre> | te -f ap<br>pods<br>READY<br>1/1<br>1/1<br>1/1<br>1/1<br>1/1<br>1/1<br>1/1<br>1/1<br>1/1<br>1/ | p2.yml<br>STATUS<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running  | rCreating<br>rCreating<br>RESTARTS<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0 | RESTARTS<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0 | AGE<br>6h2m<br>6h2m<br>6b2m<br>8m6s<br>8m4s<br>65<br>2m37s<br>6h2m<br>6h2m<br>6h2m<br>6h2m<br>6h2m<br>6h2m<br>6h2m<br>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<br>STATUS<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running<br>Running   | rCreating<br>RESTARTS<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0   | RESTARTS<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0 | AGE<br>6h2m<br>6h2m<br>6b2m<br>8m6s<br>8m4s<br>65<br>2m37s<br>6h2m<br>6h2m<br>6h2m<br>6h2m<br>6h2m<br>6h2m<br>6h2m<br>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

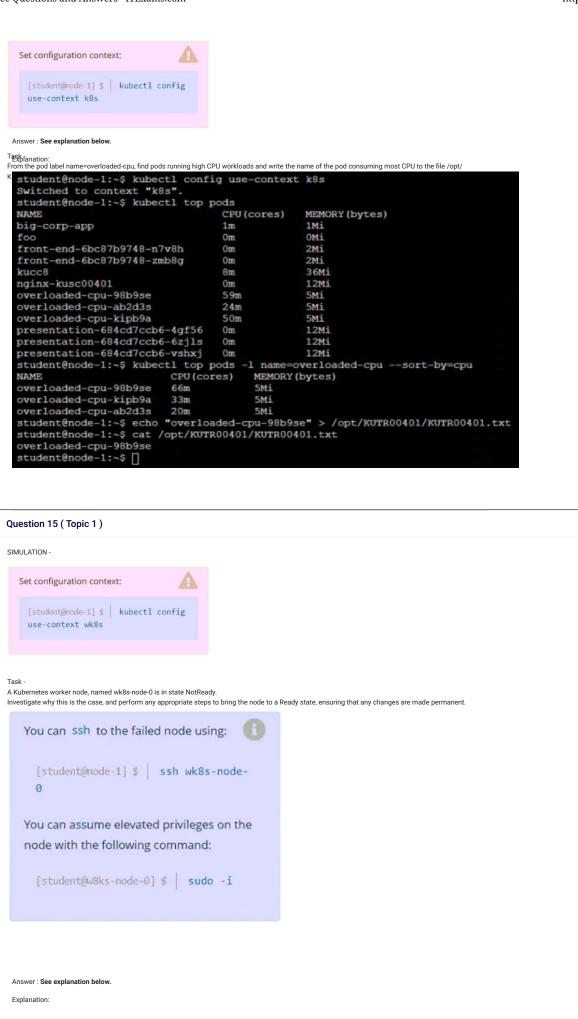
| apiVersion: v1<br>kind: Pod   |
|---|
| metadata:   |
| anotations:   |
| <pre>kubectl.kubernetes.io/last-applied-configuration:  </pre>  |
| <pre>ntainers":[{"env":[{"name":"LOG_FILENAME","value":"/var/log/big-corp-app.log"}],"image":"lfcert/monitor:latest", "name":"mo<br/>itor"]])</pre> |
| creationTimestamp: "2022-04-25T09:28:342"   |
| name: big-corp-app  |
| namespace: default<br>resourceVersion: "4464"   |
| uid: 7b7812a5-a550-4656-8039-d2705c9d3f64   |
| <pre>spec:<br/>volumes:</pre>   |
| - name: logs  |
| emptyDir: ()<br>containers:   |
| - image: busybox  |
| name: sidecar<br>command: ["/bin/sh"]   |
| command: ["/bin/sh"]<br>args: ["-c", "tail -n+1 -f /var/log/big-corp-app.log"]  |
| volumeMounts:<br>- name: logs   |
| mountPath: /var/log   |
| - env:<br>- name: LOG FILENAME  |
| value: /var/log/big-corp-app.log  |
| <pre>image: lfcert/monitor:latest imagePullPolicy: Always</pre>   |
| name: monitor   |
| resources: {}<br>terminationMessagePath: /dev/termination-log   |
| terminationMessagePolicy: File  |
| volumeMounts:<br>- mountPath: /var/log  |
| name: logs  |
| dnsPolicy: ClusterFirst<br>enableServiceLinks: true   |
| nodeName: k8s-node-0  |
| preemptionPolicy: PreemptLowerPriority<br>priority: 0   |
| restartPolicy: Always   |
| schedulerName: default-scheduler<br>securityContext: ()   |
| serviceAccount: default   |
| serviceAccountName: default<br>terminationGracePeriodSeconds: 30  |
| tolerations:  |
| <pre>- effect: NoExecute     key: node.kubernetes.io/not-ready</pre>  |
| operator: Exists  |
| tolerationSeconds: 309<br>- effect: NoExecute   |
| key: node.kubernetes.io/unreachable   |
| operator: Exists<br>tolerationSeconds: 300  |
| status:   |
| conditions:<br>- lastProbeTime: null  |
| lastTransitionTime: "2022-04-25T09:28:34Z"  |
| status: "True"<br>type: Initialized   |
| - lastProbeTime: muli   |
| lastTransitionTime: "2022-04-25T09:28:44Z"<br>status: "True"  |
| type: Ready   |
| - lastProbeTime: null<br>lastTransitionTime: "2022-04-25T09:28:44z"   |
| status: "True"  |
| type: ContainersReady<br>- lastProbeTime: null  |
| lastTransitionTime: "2022-04-25T09:28:34Z"  |
| status: "True"<br>type: PodScheduled  |
| containerStatuses:  |
| - containerID: docker://f974ce520f4d10a7680ae51ebeaa29b111341ef304360463aacf416dd15bd951  |
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Question 14 (Topic 1)

SIMULATION -

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| 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<br>hugepages-2Mi: 0  |  |  |  |  |  |  |   |
| memory: 31  | 724872Ki   |  |  |  |  |  |   |
| pods: 11<br>ystem Info:   | 10   |  |  |  |  |  |   |
| Machine ID:   | 2107786af174   | 4dfbbf02d9f6   | fac470b0   |  |  |  |   |
| System UUID:  |  | 9-cea1-d7eb-<br>1-4f61-b5c2-                                 |  |  |  |  |   |
| Boot ID:<br>Kernel Version:   | 5.11.0-1028-   |  | 124090060261   |  |  |  |   |
| OS Image:   | Ubuntu 20.04   |  |  |  |  |  |   |
| Operating System:<br>Architecture:  | linux<br>amd64   |  |  |  |  |  |   |
| Container Runtime Vers  | sion: docker://20.   | 10.7   |  |  |  |  |   |
| Kubelet Version:<br>Kube-Proxy Version:   | v1.23.1<br>v1.23.1   |  |  |  |  |  |   |
| odCIDR:   | 10.244.1.0/2   | 4  |  |  |  |  |   |
| odCIDRs:  | 10.244.1.0/2   |  |  |  |  |  |   |
| on-terminated Pods:<br>Namespace  | (2 in total)<br>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<br>ephemeral-storage 0 (<br>hugepages-1Gi 0 (<br>hugepages-2Mi 0 (   | )m (0%) 100m (0%)<br>4i (0%) 50Mi (0%)<br>(0%) 0 (0%)<br>(0%) 0 (0%)<br>(0%) 0 (0%)  |  |  |  |  |  |   |
| <pre>memory 50M ephemeral-storage 0 ( hugepages-1Gi 0 ( hugepages-2Mi 0 ( vents: &lt;</pre>   | fi (0%) 50Mi (0%)<br>(0%) 0 (0%)<br>(0%) 0 (0%)<br>(0%) 0 (0%)<br>me>  | +0000  |  |  |  | d  |   |
| <pre>memory 50M ephemeral-storage 0 ( hugepages-1Gi 0 ( hugepages-2Mi 0 ( vents:</pre>  | fi (0%) 50Mi (0%)<br>(0%) 0 (0%)<br>(0%) 0 (0%)<br>(0%) 0 (0%)<br>me><br>*<br>*<br>*<br>*  |  |  |  |  |  |   |
| <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%)<br>(0%) 0 (0%)<br>(0%) 0 (0%)<br>(0%) 0 (0%)<br>me>  |  | Las  | tTransitionTi  | пе   | d<br>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%)<br>(0%) 0 (0%)<br>(0%) 0 (0%)<br>(0%) 0 (0%)<br>me><br>*<br>*<br>*<br>*  |  | Las  | tTransitionTi  | Re<br>   |  |   |
| <pre>memory 50M ephemeral-storage 0 ( huqepages-1Gi 0 ( huqepages-2Mi 0 ( vents:</pre>  | fi (0%) 50Mi (0%)<br>(0%) 0 (0%)<br>(0%) 0 (0%)<br>(0%) 0 (0%)<br>one><br>c<br>c<br>c<br>c<br>c<br>c<br>c<br>c<br>c<br>c<br>c<br>c<br>c  |  |  |  | me<br><br>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%)<br>(0%) 0 (0%)<br>(0%) 0 (0%)<br>(0%) 0 (0%)<br>one><br>hode-0<br>><br>Status LastHeartbe<br><br>alse Mon, 25 Apr<br>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%)<br/>(0%) 0 (0%)<br/>(0%) 0 (0%)<br/>one&gt;<br/>&gt;<br/>&gt;&gt;<br/>&gt;&gt;<br/>catus LastHeartbe<br/></pre>   | atTime<br>2022 09:21:1<br>2022 09:25:2                       | <br>15 +0000 Mor<br>20 +0000 Mor                                 | , 25 Apr 2022<br>, 25 Apr 2022                                   | <br>09:21:15 +0000<br>09:30:07 +0000                                     | Reason<br>FlannelIsUp<br>NodeStatusUnknown   |   |
| <pre>memory 50M ephemeral-storage 0 ( hugepages-1Gi 0 ( hugepages-2Mi 0 ( vents:</pre>  | <pre>fi (0%) 50Mi (0%)<br/>(0%) 0 (0%)<br/>(0%) 0 (0%)<br/>one&gt;<br/>node=0<br/>&gt;<br/>25 Apr 2022 09:29:25<br/>catus LastHeartbe<br/><br/>alse Mon, 25 Apr<br/>node<br/>Mon, 25 Apr<br/>node Mon, 25 Apr<br/>is status.</pre>   | atTime<br>2022 09:21:1<br>2022 09:25:2<br>2022 09:25:2       |  | , 25 Apr 2022<br>, 25 Apr 2022<br>, 25 Apr 2022                  | <br>09:21:15 +0000<br>09:30:07 +0000<br>09:30:07 +0000                   | Reason<br><br>FlannelIsUp<br>NodeStatusUnknown<br>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%)<br/>(0%) 0 (0%)<br/>(0%) 0 (0%)<br/>one&gt;<br/>hode=0<br/>&gt;&gt;<br/>Status LastHeartbe<br/></pre>   | atTime<br>2022 09:21:1<br>2022 09:25:2                       |  | , 25 Apr 2022<br>, 25 Apr 2022<br>, 25 Apr 2022                  | <br>09:21:15 +0000<br>09:30:07 +0000                                     | Reason<br>FlannelIsUp<br>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%)<br/>(0%) 0 (0%)<br/>(0%) 0 (0%)<br/>one&gt;<br/>node-0<br/>&gt;<br/>tatus LastHeartbe<br/></pre>  | 2022 09:21:1<br>2022 09:25:2<br>2022 09:25:2<br>2022 09:25:2 | <br>15 +0000 Mor<br>20 +0000 Mor<br>20 +0000 Mor<br>20 +0000 Mor | , 25 Apr 2022<br>, 25 Apr 2022<br>, 25 Apr 2022<br>, 25 Apr 2022 | <br>09:21:15 +0000<br>09:30:07 +0000<br>09:30:07 +0000                   | Reason<br><br>FlannelisUp<br>NodeStatusUnknown<br>NodeStatusUnknown<br>NodeStatusUnknown | 1 |
| <pre>memory 50M ephemeral-storage 0 ( hugepages-1Gi 0 ( hugepages-1Gi 0 ( vents: &lt; 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%)<br/>(0%) 0 (0%)<br/>(0%) 0 (0%)<br/>one&gt;<br/>node-0<br/>&gt;<br/>tatus LastHeartbe<br/></pre>  | 2022 09:21:1<br>2022 09:25:2<br>2022 09:25:2<br>2022 09:25:2 | <br>15 +0000 Mor<br>20 +0000 Mor<br>20 +0000 Mor<br>20 +0000 Mor | , 25 Apr 2022<br>, 25 Apr 2022<br>, 25 Apr 2022<br>, 25 Apr 2022 | <br>09:21:15 +0000<br>09:30:07 +0000<br>09:30:07 +0000<br>09:30:07 +0000 | Reason<br><br>FlannelisUp<br>NodeStatusUnknown<br>NodeStatusUnknown<br>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%)<br/>(0%) 0 (0%)<br/>(0%) 0 (0%)<br/>0%) 0 (0%)<br/>one&gt;<br/>hode=0<br/>&gt;&gt;<br/>25 Apr 2022 09:29:25<br/>catus LastHeartbe<br/><br/>allse Mon, 25 Apr<br/>hode<br/>Nnown Mon, 25 Apr<br/>de status.<br/>Nnown Mon, 25 Apr<br/>de status.<br/>Nnown Mon, 25 Apr<br/>de status.<br/>Nnown Mon, 25 Apr<br/>de status.</pre>   | 2022 09:21:1<br>2022 09:25:2<br>2022 09:25:2<br>2022 09:25:2 | <br>15 +0000 Mor<br>20 +0000 Mor<br>20 +0000 Mor<br>20 +0000 Mor | , 25 Apr 2022<br>, 25 Apr 2022<br>, 25 Apr 2022<br>, 25 Apr 2022 | <br>09:21:15 +0000<br>09:30:07 +0000<br>09:30:07 +0000<br>09:30:07 +0000 | Reason<br><br>FlannelisUp<br>NodeStatusUnknown<br>NodeStatusUnknown<br>NodeStatusUnknown | 1 |
| <pre>memory 50M ephemeral-storage 0 ( hugepages-1Gi 0 ( hugepages-2Mi 0 ( vents:</pre>  | <pre>fi (0%) 50Mi (0%)<br/>(0%) 0 (0%)<br/>(0%) 0 (0%)<br/>0%) 0 (0%)<br/>one&gt;<br/>hode=0<br/>&gt;&gt;<br/>25 Apr 2022 09:29:25<br/>catus LastHeartbe<br/><br/>allse Mon, 25 Apr<br/>hode<br/>Nnown Mon, 25 Apr<br/>de status.<br/>Nnown Mon, 25 Apr<br/>de status.<br/>Nnown Mon, 25 Apr<br/>de status.<br/>Nnown Mon, 25 Apr<br/>de status.</pre>   | 2022 09:21:1<br>2022 09:25:2<br>2022 09:25:2<br>2022 09:25:2 | <br>15 +0000 Mor<br>20 +0000 Mor<br>20 +0000 Mor<br>20 +0000 Mor | , 25 Apr 2022<br>, 25 Apr 2022<br>, 25 Apr 2022<br>, 25 Apr 2022 | <br>09:21:15 +0000<br>09:30:07 +0000<br>09:30:07 +0000<br>09:30:07 +0000 | Reason<br><br>FlannelisUp<br>NodeStatusUnknown<br>NodeStatusUnknown<br>NodeStatusUnknown | 1 |
| <pre>memory 50M ephemeral-storage 0 ( hugepages-1Gi 0 ( hugepages-2Mi 0 ( vents:</pre>  | <pre>fi (0%) 50Mi (0%)<br/>(0%) 0 (0%)<br/>(0%) 0 (0%)<br/>(0%) 0 (0%)<br/>one&gt;<br/>mode=0<br/>&gt;&gt;<br/>25 Apr 2022 09:29:25<br/>catus LastHeartbe<br/><br/>stus LastHeartbe<br/><br/>node<br/>Non, 25 Apr<br/>node<br/>thrown Mon, 25 Apr<br/>de status.<br/>Norwm Mon, 25 Apr<br/>de status.<br/>Size<br/>0</pre>   | 2022 09:21:1<br>2022 09:25:2<br>2022 09:25:2<br>2022 09:25:2 | <br>15 +0000 Mor<br>20 +0000 Mor<br>20 +0000 Mor<br>20 +0000 Mor | , 25 Apr 2022<br>, 25 Apr 2022<br>, 25 Apr 2022<br>, 25 Apr 2022 | <br>09:21:15 +0000<br>09:30:07 +0000<br>09:30:07 +0000<br>09:30:07 +0000 | Reason<br><br>FlannelisUp<br>NodeStatusUnknown<br>NodeStatusUnknown<br>NodeStatusUnknown | 1 |
| memory 50M<br>ephemeral-storage 0 (<br>hugepages-16i 0 (<br>hugepages-2Mi 0 (<br>vents: <no<br>tudent@node-1:-\$<br/>nschedulable: false<br/>ease:<br/>HolderIdentity: wk8s-n<br/>AcquireTime: <unset<br>RenewTime: Mon, 2<br/>onditions: Mon, 2<br/>onditions: Type St<br/>sage<br/></unset<br></no<br>  | <pre>fi (0%) 50Mi (0%)<br/>(0%) 0 (0%)<br/>(0%) 0 (0%)<br/>0%) 0 (0%)<br/>one&gt;<br/>hode=0<br/>&gt;&gt;<br/>25 Apr 2022 09:29:25<br/>catus LastHeartbe<br/><br/>allse Mon, 25 Apr<br/>hode<br/>Nnown Mon, 25 Apr<br/>de status.<br/>Nnown Mon, 25 Apr<br/>de status.<br/>Nnown Mon, 25 Apr<br/>de status.<br/>Nnown Mon, 25 Apr<br/>de status.</pre>   | 2022 09:21:1<br>2022 09:25:2<br>2022 09:25:2<br>2022 09:25:2 | <br>15 +0000 Mor<br>20 +0000 Mor<br>20 +0000 Mor<br>20 +0000 Mor | , 25 Apr 2022<br>, 25 Apr 2022<br>, 25 Apr 2022<br>, 25 Apr 2022 | <br>09:21:15 +0000<br>09:30:07 +0000<br>09:30:07 +0000<br>09:30:07 +0000 | Reason<br><br>FlannelisUp<br>NodeStatusUnknown<br>NodeStatusUnknown<br>NodeStatusUnknown | 1 |
| memory 50M<br>ephemeral-storage 0 (<br>hugepages-16i 0 (<br>hugepages-2Mi 0 (<br>vents: <no<br>tudent@node-1:-\$<br/>nschedulable: false<br/>ease:<br/>HolderIdentity: wk8s-n<br/>AcquireTime: <unset<br>RenewTime: Mon, 2<br/>onditions:<br/>Type St<br/>sage<br/></unset<br></no<br>  | <pre>fi (0%) 50Mi (0%)<br/>(0%) 0 (0%)<br/>(0%) 0 (0%)<br/>one&gt;<br/>compose<br/>compose<br/>compose<br/>compose<br/>compose<br/>compose<br/>compose<br/>compose<br/>compose<br/>compose<br/>compose<br/>compose<br/>compose<br/>compose<br/>compose<br/>compose<br/>compose<br/>compose<br/>compose<br/>compose<br/>compose<br/>compose<br/>compose<br/>compose<br/>compose<br/>compose<br/>compose<br/>compose<br/>compose<br/>compose<br/>compose<br/>compose<br/>compose<br/>compose<br/>compose<br/>compose<br/>compose<br/>compose<br/>compose<br/>compose<br/>compose<br/>compose<br/>compose<br/>compose<br/>compose<br/>compose<br/>compose<br/>compose<br/>compose<br/>compose<br/>compose<br/>compose<br/>compose<br/>compose<br/>compose<br/>compose<br/>compose<br/>compose<br/>compose<br/>compose<br/>compose<br/>compose<br/>compose<br/>compose<br/>compose<br/>compose<br/>compose<br/>compose<br/>compose<br/>compose<br/>compose<br/>compose<br/>compose<br/>compose<br/>compose<br/>compose<br/>compose<br/>compose<br/>compose<br/>compose<br/>compose<br/>compose<br/>compose<br/>compose<br/>compose<br/>compose<br/>compose<br/>compose<br/>compose<br/>compose<br/>compose<br/>compose<br/>compose<br/>compose<br/>compose<br/>compose<br/>compose<br/>compose<br/>compose<br/>compose<br/>compose<br/>compose<br/>compose<br/>compose<br/>compose<br/>compose<br/>compose<br/>compose<br/>compose<br/>compose<br/>compose<br/>compose<br/>compose<br/>compose<br/>compose<br/>compose<br/>compose<br/>compose<br/>compose<br/>compose<br/>compose<br/>compose<br/>compose<br/>compose<br/>compose<br/>compose<br/>compose<br/>compose<br/>compose<br/>compose<br/>compose<br/>compose<br/>compose<br/>compose<br/>compose<br/>compose<br/>compose<br/>compose<br/>compose<br/>compose<br/>compose<br/>compose<br/>compose<br/>compose<br/>compose<br/>compose<br/>compose<br/>compose<br/>compose<br/>compose<br/>compose<br/>compose<br/>compose<br/>compose<br/>compose<br/>compose<br/>compose<br/>compose<br/>compose<br/>compose<br/>compose<br/>compose<br/>compose<br/>compose<br/>compose<br/>compose<br/>compose<br/>compose<br/>compose<br/>compose<br/>compose<br/>compose<br/>compose<br/>compose<br/>compose<br/>compose<br/>compose<br/>compose<br/>compose<br/>compose<br/>compose<br/>compose<br/>compose<br/>compose<br/>compose<br/>compose<br/>compose<br/>compose<br/>compose<br/>compose<br/>compose<br/>compose<br/>compose<br/>compose<br/>compose<br/>compose<br/>compose<br/>compose<br/>compose<br/>compose<br/>compose<br/>compose<br/>compose<br/>compose<br/>compose<br/>compose<br/>compose<br/>compose<br/>compose<br/>compose<br/>compose<br/>compose<br/>compose<br/>compose<br/>compose<br/>compose<br/>compose<br/>compose<br/>compose<br/>compose<br/>compose<br/>compose<br/>compose<br/>compose<br/>compose<br/>compose<br/>compose<br/>compose<br/>compose<br/>compose<br/>compose<br/>compose<br/>compose<br/>compose<br/>compose<br/>compose<br/>compose<br/>compose<br/>compose<br/>compose<br/>compose<br/>compose<br/>compose<br/>compose<br/>compose<br/>compose<br/>compose<br/>compose<br/>compose</pre> | 2022 09:21:1<br>2022 09:25:2<br>2022 09:25:2<br>2022 09:25:2 | <br>15 +0000 Mor<br>20 +0000 Mor<br>20 +0000 Mor<br>20 +0000 Mor | , 25 Apr 2022<br>, 25 Apr 2022<br>, 25 Apr 2022<br>, 25 Apr 2022 | <br>09:21:15 +0000<br>09:30:07 +0000<br>09:30:07 +0000<br>09:30:07 +0000 | Reason<br><br>FlannelisUp<br>NodeStatusUnknown<br>NodeStatusUnknown<br>NodeStatusUnknown | 1 |
| memory 50M<br>ephemeral-storage 0 (<br>hugepages-1Gi 0 (<br>hugepages-1Gi 0 (<br>hugepages-2Mi 0 (<br>vents: <no<br>tudent@node-1:-\$<br/>mschedulable: false<br/>ease:<br/>HolderIdentity: wk8s-n<br/>AcquireTime: <unset<br>RenewTime: Mon, 2<br/>conditions: Mon, 2<br/>c</unset<br></no<br> | <pre>fi (0%) 50Mi (0%)<br/>(0%) 0 (0%)<br/>(0%) 0 (0%)<br/>00%) 0 (0%)<br/>one&gt;<br/>hode=0<br/>&gt;&gt;<br/>Status LastHeartbe<br/><br/>class Mon, 25 Apr<br/>node<br/>hknown Mon, 25 Apr<br/>de status.<br/>hknown Mon, 25 Apr<br/>de status.<br/>hkn</pre>  | 2022 09:21:1<br>2022 09:25:2<br>2022 09:25:2<br>2022 09:25:2 | <br>15 +0000 Mor<br>20 +0000 Mor<br>20 +0000 Mor<br>20 +0000 Mor | , 25 Apr 2022<br>, 25 Apr 2022<br>, 25 Apr 2022<br>, 25 Apr 2022 | <br>09:21:15 +0000<br>09:30:07 +0000<br>09:30:07 +0000<br>09:30:07 +0000 | Reason<br><br>FlannelisUp<br>NodeStatusUnknown<br>NodeStatusUnknown<br>NodeStatusUnknown | 1 |
| memory 50M<br>ephemeral-storage 0 (<br>hugepages-1Gi 0 (<br>hugepages-2Mi 0 (<br>vents: <no<br>tudent@node-1:-\$<br/>mschedulable: false<br/>ease: false<br/>ease: KenewTime: wk8s-n<br/>AcquireTime: vunset<br/>RenewTime: wk8s-n<br/>sage<br/>Type St<br/>sage<br/>mnel is running on this<br/>MemoryPressure Un<br/>belet stopped posting nod<br/>Diskressure In<br/>belet stopped posting nod<br/>dist</no<br>                                    | <pre>fi (0%) 50Mi (0%)<br/>(0%) 0 (0%)<br/>(0%) 0 (0%)<br/>00%) 0 (0%)<br/>one&gt;<br/>hode=0<br/>&gt;&gt;<br/>Status LastHeartbe<br/><br/>class Mon, 25 Apr<br/>node<br/>hknown Mon, 25 Apr<br/>de status.<br/>hknown Mon, 25 Apr<br/>de status.<br/>hkn</pre>  | 2022 09:21:1<br>2022 09:25:2<br>2022 09:25:2<br>2022 09:25:2 | <br>15 +0000 Mor<br>20 +0000 Mor<br>20 +0000 Mor<br>20 +0000 Mor | , 25 Apr 2022<br>, 25 Apr 2022<br>, 25 Apr 2022<br>, 25 Apr 2022 | <br>09:21:15 +0000<br>09:30:07 +0000<br>09:30:07 +0000<br>09:30:07 +0000 | Reason<br><br>FlannelisUp<br>NodeStatusUnknown<br>NodeStatusUnknown<br>NodeStatusUnknown | 1 |
| memory 50M<br>ephemeral-storage 0 (<br>hugepages-1Gi 0 (<br>hugepages-1Gi 0 (<br>hugepages-2Mi 0 (<br>vents:<br>tudent@node-1:~\$<br>HolderIdentity: wk8s-n<br>AcquireTime: false<br>Lease:<br>HolderIdentity: wk8s-n<br>AcquireTime: <unset<br>RenewTime: Mon, 2<br/>Conditions:<br/>Type 3<br/>to<br/>sage<br/><br/>NetworkUnavailable Fa<br/>annel is running on this<br/>MemoryPressure Un<br/>belet stopped posting nod<br/>DiskPressure Un<br/>belet stopped posting nod<br/>DiskPressure Un<br/>belet stopped posting nod<br/>Addresses:<br/>InternalP: 10.250.5.5<br/>Hostname: wk8s-node-<br/>Capacity: 16<br/>ephemeral-storage: 710<br/>hugepages-2Mi: 0<br/>hugepages-2Mi: 0<br/>memory: 318<br/>pods: 110</unset<br>   | <pre>fi (0%) 50Mi (0%)<br/>(0%) 0 (0%)<br/>(0%) 0 (0%)<br/>00%) 0 (0%)<br/>one&gt;<br/>hode=0<br/>&gt;&gt;<br/>Status LastHeartbe<br/><br/>class Mon, 25 Apr<br/>node<br/>hknown Mon, 25 Apr<br/>de status.<br/>hknown Mon, 25 Apr<br/>de status.<br/>hkn</pre>  | 2022 09:21:1<br>2022 09:25:2<br>2022 09:25:2<br>2022 09:25:2 | <br>15 +0000 Mor<br>20 +0000 Mor<br>20 +0000 Mor<br>20 +0000 Mor | , 25 Apr 2022<br>, 25 Apr 2022<br>, 25 Apr 2022<br>, 25 Apr 2022 | <br>09:21:15 +0000<br>09:30:07 +0000<br>09:30:07 +0000<br>09:30:07 +0000 | Reason<br><br>FlannelisUp<br>NodeStatusUnknown<br>NodeStatusUnknown<br>NodeStatusUnknown | 1 |

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



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

×

Question 17 (Topic 1)

