Question: 1

SIMULATION

Monitor the logs of pod foo and:

• Extract log lines corresponding to error

unable-to-access-website

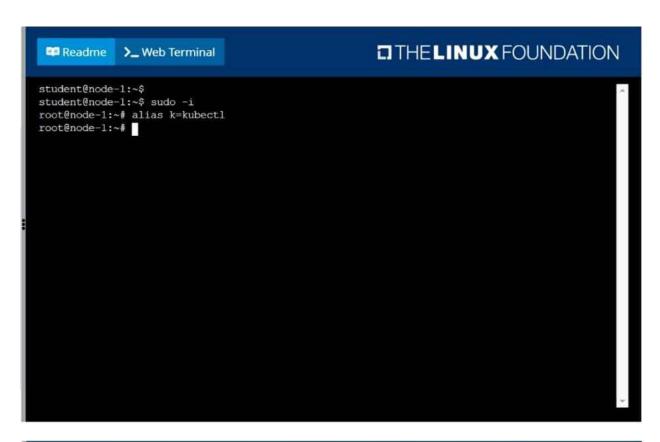
• Write them to

/opt/KULM00201/foo



Answer: Solution

Solution





Question: 2

SIMULATION

List all persistent volumes sorted by capacity, saving the full kubectl output to

/opt/KUCC00102/volume_list. Use kubectl 's own functionality for sorting the output, and do not manipulate it any further.

Answer: Solution

Solution

Readme		>_ Web Terminal	THE LINUX FOUNDATION			
77d						^
pv0007 77d	7Gi	RWO	Recycle	Available	slow	
900006 77d	8Gi	RWO	Recycle	Available	slow	
2000vq	10Gi	RWO	Recycle	Available	slow	
pv0002 77d	11Gi	RWO	Recycle	Available	slow	
pv0010 77d	13Gi	RWO	Recycle	Available	slow	
pv0011 77d	14Gi	RWO	Recycle	Available	slow	
77d	16Gi	RWO	Recycle	Available	slow	
v0009 77d	17Gi	RWO	Recycle	Available	slow	
v0005 77d	18Gi	RWO	Recycle	Available	slow	
v0008 77d	19Gi	RWO	Recycle	Available	slow	
77d	21Gi	RWO	Recycle	Available	slow	
root@nod root@nod			-by=.spec.capacit	y.storage > /opt/K	JCC00102/volume_list	

Question: 3

SIMULATION

Ensure a single instance of pod nginx is running on each node of the Kubernetes cluster where nginx also represents the Image name which has to be used. Do not override any taints currently in place.

Use DaemonSet to complete this task and use ds-kusc00201 as DaemonSet name.

Answer: Solution

Solution

```
THELINUX FOUNDATION

root@node-1:~# vim ds.yaml

i
```

```
THE LINUX FOUNDATION
            >_ Web Terminal
Readme
apiVersion: apps/vl
kind: DaemonSet
 name: fluentd-elasticsearch
 namespace: kube-system
   k8s-app: fluentd-logging
     name: fluentd-elasticsearch
      name: fluentd-elasticsearch
     # this toleration is to have the daemonset runnable on master nodes
     - key: node-role.kubernetes.io/master
      effect: NoSchedule
     - name: nginx
      image: nginx
-- INSERT --
                                                                     17,19
                                                                                  A11
```



```
THE LINUX FOUNDATION
 Readme
            >_ Web Terminal
root@node-1:~# vim ds.yaml
iroot@node-1:~# k create -f ds.yaml
daemonset.apps/ds-kusc00201 created
root@node-1:~# k get ds
            DESTRED
                      CURRENT
                               READY
                                      UP-TO-DATE
                                                 AVAILABLE
                                                            NODE SELECTOR
ds-kusc00201
                                                            <none>
                                                                           45
root@node-1:~#
```

Question: 4

List all the pods sorted by created timestamp

Answer: Solution

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

Question: 5

List all the pods showing name and namespace with a json path expression

Answer: Solution

kubectl get pods -o=jsonpath="{.items[*]['metadata.name',

'metadata.namespace']}"