1. A new pod named webapp pod has been deployed. service-pod & frontend pod is not able to communicate with newly created pod.

Figure out & fix the communication issue . Network policy is already created for both service-pod & frontend pod.

Hint: add labels in webapp pod that used in network policies (kubectl labels pod/webapp frontend=true,service-pod=true)

1. We have deployed few pods but one pod is not in ready state. figure out the pod the save it's event entries in xyz file

Hint: use kubectl get events

1. Create one logger-123 pod using nginx pod that execute the below command & print output into /var/log/input.txt file.

*“while true; do echo ‘Hi I am from Main container’*

Mount the volume /var/log for logger-123 pod

Create adaptor-123 pod using busybox image and mount the volume /var/log/abc

adaptor-123 pod must read the /var/log/input.txt file & output into json format into /var/log/output.\* using Fluentd

Note: this question doesn’t require any knowledge for Fluentd you just need to create configmap using file /opt/adapter/abc.yaml file and map the volume using configmap

Hint: create one pod using 2 containers.

In container one (logger-123) mount volume /var/log/abc and command

*“while true; do echo ‘Hi I am from Main containe >>* var/log/input.txt file*; sleep 5; done”*

* 1. *In container 2 (adaptor-123) mount 2 volumes* simple volume on path var/log/abc
  2. volume 2 using configmap

(in configmap json formatting work is done & we don’t to do anything for Fluentd)

1. create cronjob named hello that runs every minute & print the date

output the yaml in xyz file. Make sure jobs must completed at least once.

If job doesn't complete within 15 second it should be marked as failed as restarted

using completion 1 & activeDeadlineseconds

1. write only name of top cpu consuming pod in xyz file
2. write namespace and pod that crashed in following format in xyz file namespace/pod
3. update the maxSurge to 25% & maxunavailbale = 4

update version of the image to 1:17

rollback changes

1. create one pod and request memory = 200Gi & cpu = 2
2. add labels in the pod funct=abc
3. scale abc deployment replicas to 5
4. create one environment variable usename=abc
5. create one pod & used it above created environment variable as BEST\_VARIABLE
6. Create a configmap called myconfigmap with literal value key2/value2
7. Create abc secret
8. We have deployed 4 pods, one of the pod in one of the namespaces are not in the running state. Debug and fix it. (Image name is incorrect

Hint: kubectl set image pod/abc <containerName>=nginx

1. create one persistentvolume /persistentvolumeclaim & bind it with pod.

**Few Observations**

1. Usually in practice environment we can use Tab key to complete the kubectl commands but during exam, this didn’t work for me so make sure you have a good command on imperative style kubectl commands
2. In last question they asked to switch on different node and create one persistentvolume /persistentvolumeclaim & bind it with pod

. In my first attempt also, I tried to switch back to old node using ssh master-node1 but it didn't work. So this time I attempted this question in last after completing all other question

1. I attempted total 16 question out of 19 and left 3 question having long description with less weightage.
2. Use Ctrl + Shift + c for copy / Ctrl + Shift + p for paste
3. Exercise all 150 questions in the link <https://medium.com/bb-tutorials-and-thoughts/practice-enough-with-these-questions-for-the-ckad-exam-2f42d1228552>