# Pod

1. Select context.
2. Create a separate namespace for you to run your pods.
3. Run pod using the file pods/command-continuous.yaml.
4. Get container’s output using kubectl logs without and with the --follow flag.
5. Attach to the container using sh:
   * Create file /tmp/message.txt with any content inside Pod’s container.
   * Detach from container (close opened bash session) using command exit.
6. Copy the file /tmp/message.txt using kubectl cp. Check the content of the file.
7. Delete the pod using kubectl delete.

## Solution

1. Select context.

$ kubectl config use-context minikube  
Switched to context "minikube".

1. Create a separate namespace for you to run your pods.

$ kubectl create namespace msuslov  
namespace/msuslov created  
  
$ kubectl config set-context --current --namespace=msuslov  
Context "minikube" modified.

1. Run pod using the file pods/command-continuous.yaml.

$ kubectl create -f pods/command-continuous.yaml  
pod/command-continuous created

1. Get container’s output using kubectl logs without and with the --follow flag.

$ kubectl logs command-continuous  
2021.06.11 07:43:23  
2021.06.11 07:43:33  
  
$ kubectl logs command-continuous -f  
2021.06.11 07:43:23  
2021.06.11 07:43:33  
2021.06.11 07:43:43  
2021.06.11 07:43:53  
2021.06.11 07:44:03  
^C

1. Attach to the container using sh:
   * Create file /tmp/message.txt with any content inside Pod’s container.
   * Detach from container (close opened bash session) using command exit.

$ kubectl exec command-continuous -it -- sh  
/ # echo Hello buddies! > /tmp/message.txt  
/ # exit

1. Copy the file /tmp/message.txt using kubectl cp. Check the content of the file.

$ kubectl cp command-continuous:/tmp/message.txt message.txt  
tar: removing leading '/' from member names  
  
$ cat message.txt  
Hello buddies!  
  
$ rm message.txt

1. Delete the pod using kubectl delete.

$ kubectl delete -f pods/command-continuous.yaml  
pod "command-continuous" deleted