Task commands and descriptions

6 Kubernetes tasks

apply_delete_pod
kubectl apply -f /Users/coracoleman/Desktop/Images/pod.yaml
kubectl delete -f /Users/coracoleman/Desktop/Images/pod.yaml

apply_pod
kubectl apply -f /Users/coracoleman/Desktop/Images/pod.yaml
kubectl logs $POD_NAME
kubectl delete -f /Users/coracoleman/Desktop/Images/pod.yaml

apply_delete_deploy
kubectl apply -f /Users/coracoleman/Desktop/Images/bunch
kubectl delete -f /Users/coracoleman/Desktop/Images/bunch

apply_deploy
kubectl apply -f /Users/coracoleman/Desktop/Images/bunch
kubectl get pods
kubectl logs $POD_NAME for the first pod
kubectl delete -f /Users/coracoleman/Desktop/Images/bunch

apply_big_deploy
kubectl apply -f /Users/coracoleman/Desktop/Images/guestbook
kubectl get pods
kubectl logs $POD_NAME for the first pod
kubectl delete -f /Users/coracoleman/Desktop/Images/guestbook

apply_big_deploy_all
kubectl apply -f /Users/coracoleman/Desktop/Images/guestbook
kubectl get pods

kubectl logs $POD_NAME for all pods
kubectl delete -f /Users/coracoleman/Desktop/Images/guestbook

5 novice, intermediate, and expert tasks

apply_deploy_label
kubectl apply -f /Users/coracoleman/Desktop/Images/bunch
kubectl logs -l name=nginx
kubectl delete -f /Users/coracoleman/Desktop/Images/bunch

apply_deploy_expert
kubectl apply -f /Users/coracoleman/Desktop/Images/bunch
kubectl get pods -w
kubectl get deployment -w
kubectl logs $POD_NAME for the first pod
kubectl delete -f /Users/coracoleman/Desktop/Images/bunch

apply_big_deploy_wait
kubectl apply -f /Users/coracoleman/Desktop/Images/guestbook
kubectl wait --for=condition=available --timeout=60s deployment/guestbook
kubectl get pods
kubectl logs $POD_NAME for the first pod
kubectl delete -f /Users/coracoleman/Desktop/Images/guestbook

apply_big_deploy_expert
kubectl apply -f /Users/coracoleman/Desktop/Images/guestbook
kubectl get pods -w
kubectl get deployment -w
kubectl logs $POD_NAME for the first pod
kubectl delete -f /Users/coracoleman/Desktop/Images/guestbook

apply_big_deploy_all_expert
kubectl apply -f /Users/coracoleman/Desktop/Images/guestbook
kubectl get pods -w

kubectl get deployment -w
kubectl logs $POD_NAME for all pods
kubectl delete -f /Users/coracoleman/Desktop/Images/guestbook

Methods for running tasks and timing

1. Recorded UI screen using Record It on Mac
2. Typed all kubectl commands in their long forms ("kubectl" not "k")
3. Copied longer file paths, .yaml files, and images from a Note (offscreen from the recording)
4. Task is timed based on video length (immediately after the command is completed, stop button is pushed on the recording screen)
5. The following detail the tasks:
    a. s3 task
        i. Explore the file path commoncrawl/crawl-data/CC-MAIN-2021-17/segments/1618039626288.96/warc/
        ii. Find the CC-MAIN-20210423011010-20210423041010-00639.warc.gz file and unzip to view it
    b. apply pod task
        i. Create a pod from this image, view the logs, then delete the pod
    c. apply deployment task
        i. Clone the directory on your machine
        ii. Create a deployment from this directory, view the logs for a pod, then delete the deployment
    d. apply big deployment task
        i. Clone the directory on your machine
        ii. Create a deployment from this directory, view the logs for a pod, then delete the deployment
        iii. Include a wait command for kubectl:
            1. Create a deployment from this directory, use a wait command, view the logs for a pod when they're ready, then delete the deployment
    e.