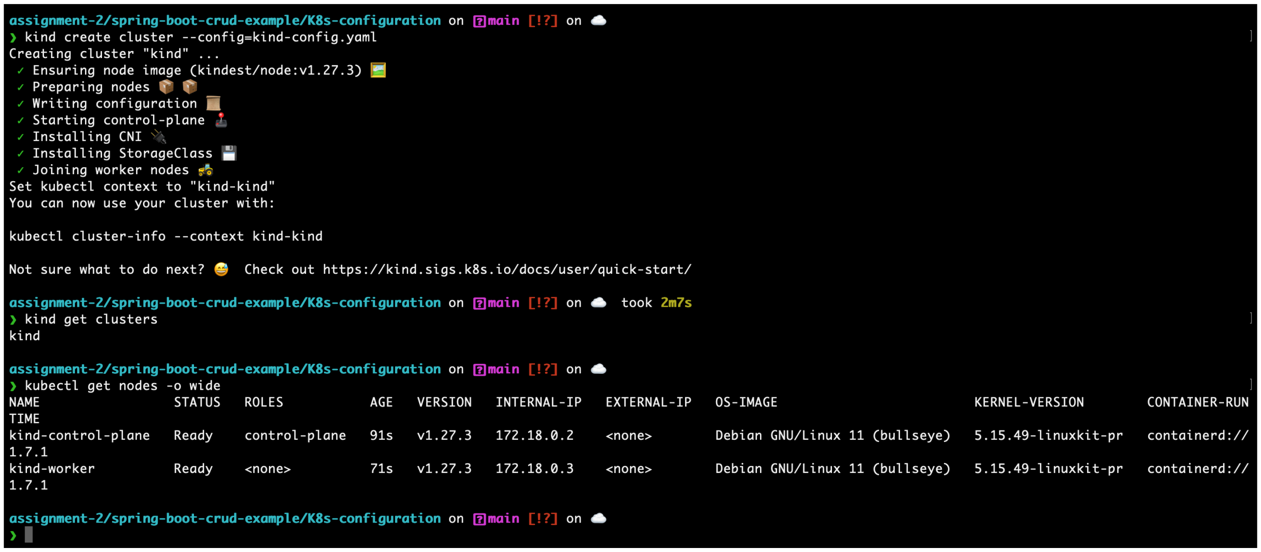
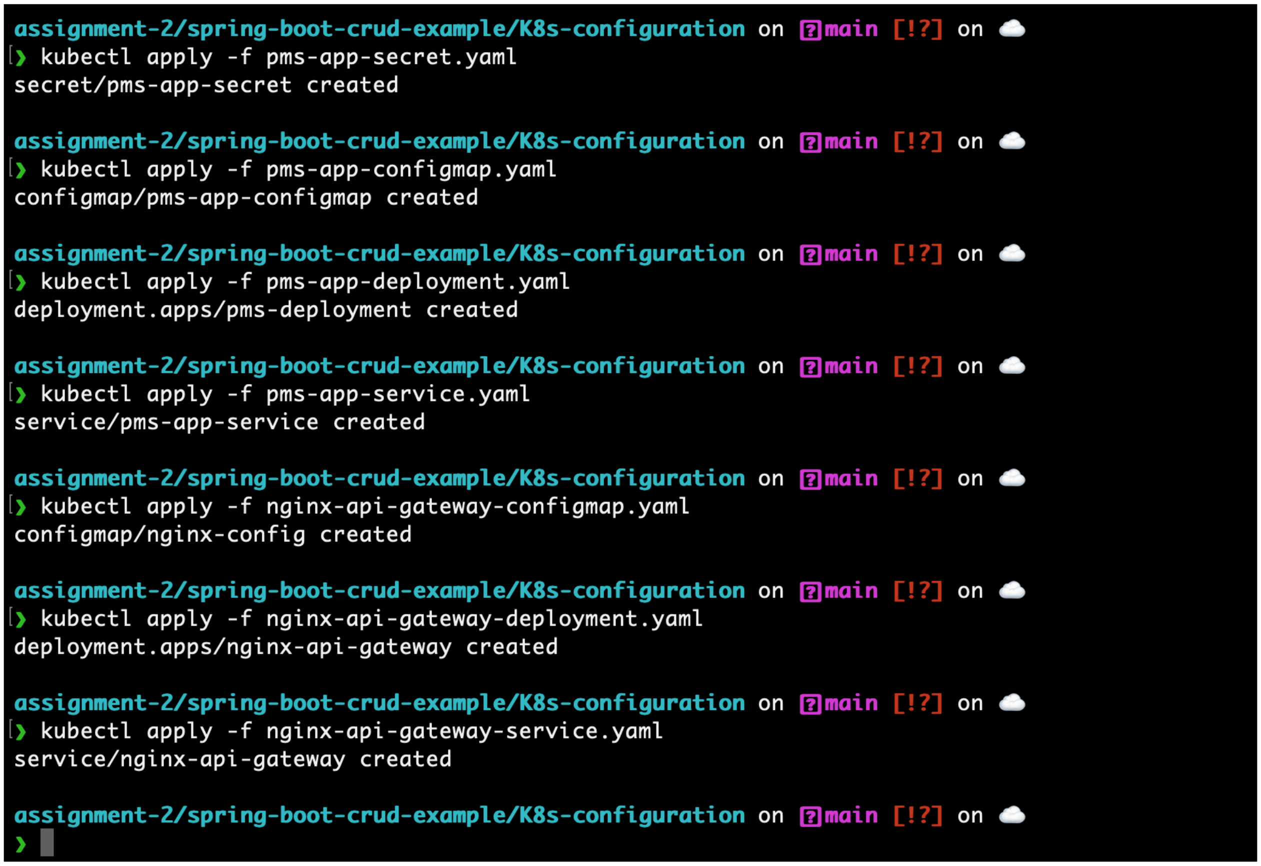
Kind Create Cluster



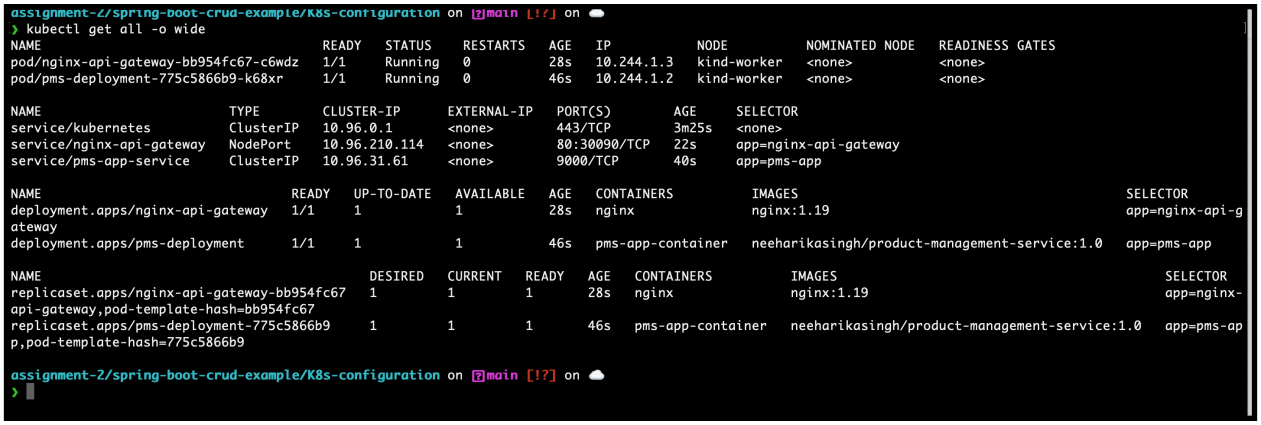
```
assignment-2/spring-boot-crud-example/K8s-configuration on ⍰main [!?] on ☁️
❯ kind create cluster --config=kind-config.yaml
Creating cluster "kind" ...
 ✓ Ensuring node image (kindest/node:v1.27.3) 🖼
 ✓ Preparing nodes 📦 📦
 ✓ Writing configuration 📜
 ✓ Starting control-plane 🕹️
 ✓ Installing CNI 🔌
 ✓ Installing StorageClass 💾
 ✓ Joining worker nodes 🚜
Set kubectl context to "kind-kind"
You can now use your cluster with:

kubectl cluster-info --context kind-kind

Not sure what to do next? 😅  Check out https://kind.sigs.k8s.io/docs/user/quick-start/

assignment-2/spring-boot-crud-example/K8s-configuration on ⍰main [!?] on ☁️  took 2m7s
❯ kind get clusters
kind

assignment-2/spring-boot-crud-example/K8s-configuration on ⍰main [!?] on ☁️
❯ kubectl get nodes -o wide
NAME                 STATUS   ROLES           AGE   VERSION   INTERNAL-IP   EXTERNAL-IP   OS-IMAGE                         KERNEL-VERSION       CONTAINER-RUN
TIME
kind-control-plane   Ready    control-plane   91s   v1.27.3   172.18.0.2    <none>        Debian GNU/Linux 11 (bullseye)   5.15.49-linuxkit-pr   containerd://
1.7.1
kind-worker          Ready    <none>          71s   v1.27.3   172.18.0.3    <none>        Debian GNU/Linux 11 (bullseye)   5.15.49-linuxkit-pr   containerd://
1.7.1

assignment-2/spring-boot-crud-example/K8s-configuration on ⍰main [!?] on ☁️
❯
```

Apply config - deployments



```
assignment-2/spring-boot-crud-example/K8s-configuration on ⍰main [!?] on ☁️
[❯ kubectl apply -f pms-app-secret.yaml
secret/pms-app-secret created

assignment-2/spring-boot-crud-example/K8s-configuration on ⍰main [!?] on ☁️
[❯ kubectl apply -f pms-app-configmap.yaml
configmap/pms-app-configmap created

assignment-2/spring-boot-crud-example/K8s-configuration on ⍰main [!?] on ☁️
[❯ kubectl apply -f pms-app-deployment.yaml
deployment.apps/pms-deployment created

assignment-2/spring-boot-crud-example/K8s-configuration on ⍰main [!?] on ☁️
[❯ kubectl apply -f pms-app-service.yaml
service/pms-app-service created

assignment-2/spring-boot-crud-example/K8s-configuration on ⍰main [!?] on ☁️
[❯ kubectl apply -f nginx-api-gateway-configmap.yaml
configmap/nginx-config created

assignment-2/spring-boot-crud-example/K8s-configuration on ⍰main [!?] on ☁️
[❯ kubectl apply -f nginx-api-gateway-deployment.yaml
deployment.apps/nginx-api-gateway created

assignment-2/spring-boot-crud-example/K8s-configuration on ⍰main [!?] on ☁️
[❯ kubectl apply -f nginx-api-gateway-service.yaml
service/nginx-api-gateway created

assignment-2/spring-boot-crud-example/K8s-configuration on ⍰main [!?] on ☁️
❯
```

Cluster run



```
assignment-2/spring-boot-crud-example/K8s-configuration on ⍰main [!?] on ☁
❯ kubectl get all -o wide
NAME                                    READY   STATUS    RESTARTS   AGE   IP           NODE          NOMINATED NODE   READINESS GATES
pod/nginx-api-gateway-bb954fc67-c6wdz   1/1     Running   0          28s   10.244.1.3   kind-worker   <none>           <none>
pod/pms-deployment-775c5866b9-k68xr     1/1     Running   0          46s   10.244.1.2   kind-worker   <none>           <none>

NAME                        TYPE        CLUSTER-IP      EXTERNAL-IP   PORT(S)        AGE     SELECTOR
service/kubernetes          ClusterIP   10.96.0.1       <none>        443/TCP        3m25s   <none>
service/nginx-api-gateway   NodePort    10.96.210.114   <none>        80:30090/TCP   22s     app=nginx-api-gateway
service/pms-app-service     ClusterIP   10.96.31.61     <none>        9000/TCP       40s     app=pms-app

NAME                                READY   UP-TO-DATE   AVAILABLE   AGE   CONTAINERS          IMAGES                                          SELECTOR
deployment.apps/nginx-api-gateway   1/1     1            1           28s   nginx               nginx:1.19                                      app=nginx-api-g
ateway
deployment.apps/pms-deployment      1/1     1            1           46s   pms-app-container   neeharikasingh/product-management-service:1.0   app=pms-app

NAME                                          DESIRED   CURRENT   READY   AGE   CONTAINERS          IMAGES                                          SELECTOR
replicaset.apps/nginx-api-gateway-bb954fc67   1         1         1       28s   nginx               nginx:1.19                                      app=nginx-
api-gateway,pod-template-hash=bb954fc67
replicaset.apps/pms-deployment-775c5866b9     1         1         1       46s   pms-app-container   neeharikasingh/product-management-service:1.0   app=pms-ap
p,pod-template-hash=775c5866b9

assignment-2/spring-boot-crud-example/K8s-configuration on ⍰main [!?] on ☁
❯
```