

Namespaces

2.

```
mathias@MSI:~$ kubectl get namespaces
NAME                STATUS    AGE
default             Active    10m
kube-node-lease     Active    10m
kube-public         Active    10m
kube-system         Active    10m
```

4.

```
baptiste@LENOVO-BAPTISTE:/mnt/c/users/canva/onedrive/bureau/but/but-3/s5/R5_09_Virtualisation/TP/TP1/TP$ kubectl describe namespace front
Name:         front
Labels:       kubernetes.io/metadata.name=front
Annotations:  <none>
Status:       Active

No resource quota.

No LimitRange resource.
baptiste@LENOVO-BAPTISTE:/mnt/c/users/canva/onedrive/bureau/but/but-3/s5/R5_09_Virtualisation/TP/TP1/TP$ kubectl describe namespace middle
Name:         middle
Labels:       kubernetes.io/metadata.name=middle
Annotations:  <none>
Status:       Active

No resource quota.

No LimitRange resource.
baptiste@LENOVO-BAPTISTE:/mnt/c/users/canva/onedrive/bureau/but/but-3/s5/R5_09_Virtualisation/TP/TP1/TP$ kubectl describe namespace database
Name:         database
Labels:       kubernetes.io/metadata.name=database
Annotations:  <none>
Status:       Active

No resource quota.

No LimitRange resource.
baptiste@LENOVO-BAPTISTE:/mnt/c/users/canva/onedrive/bureau/but/but-3/s5/R5_09_Virtualisation/TP/TP1/TP$
```

5.

```
baptiste@LENOVO-BAPTISTE:/mnt/c/users/canva/onedrive/bureau/but/but-3/s5/R5_09_Virtualisation/TP/TP1/TP$ kubectl get namespaces
NAME                STATUS    AGE
database            Active    33s
default             Active    76s
front               Active    23s
kube-node-lease     Active    76s
kube-public         Active    76s
kube-system         Active    76s
middle              Active    53s
baptiste@LENOVO-BAPTISTE:/mnt/c/users/canva/onedrive/bureau/but/but-3/s5/R5_09_Virtualisation/TP/TP1/TP$
```

NGINX

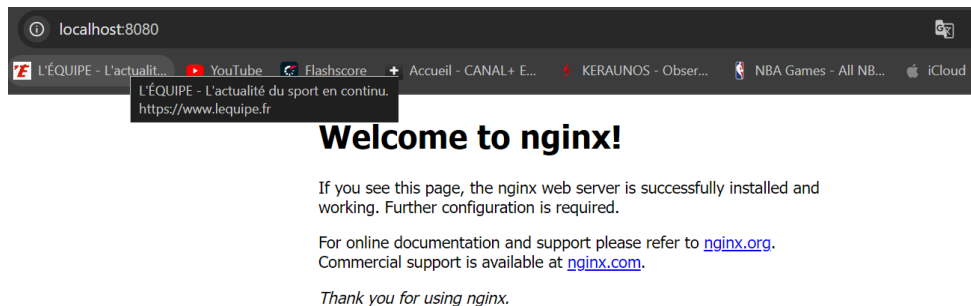
4. – `kubectl apply -f front/nginx-service.yml -n front`
- `kubectl apply -f front/nginx-deployment.yml -n front`

```
baptiste@LENOVO-BAPTISTE:/mnt/c/users/canva/onedrive/bureau/but/but-3/s5/R5_09_Virtualisation/TP/TP1/TP$ kubectl apply -f front/nginx-service.yml -n front
service/nginx-svc created
baptiste@LENOVO-BAPTISTE:/mnt/c/users/canva/onedrive/bureau/but/but-3/s5/R5_09_Virtualisation/TP/TP1/TP$ kubectl apply -f front/nginx-deployment.yml -n front
deployment.apps/nginx-deployment created
baptiste@LENOVO-BAPTISTE:/mnt/c/users/canva/onedrive/bureau/but/but-3/s5/R5_09_Virtualisation/TP/TP1/TP$ kubectl get pods -n front
```

NAME	READY	STATUS	RESTARTS	AGE
nginx-deployment-6884d88685-9xcp8	1/1	Running	0	11s
nginx-deployment-6884d88685-nvpd4	1/1	Running	0	11s
nginx-deployment-6884d88685-ttktn	1/1	Running	0	11s

5. `kubectl port-forward -n front svc/nginx-svc 8080:8383`

6.



7. Les pointillés autour des Pods représentent le namespace ou l'environnement isolé au sein de Kubernetes où sont déployés ces pods.

8. Les pointillés rouges indiquent que tout ce qui est inclus à l'intérieur appartient à un même cluster Kubernetes, administré par l'admin cluster. L'admin cluster a un contrôle et une vue d'ensemble sur ce qui se passe à l'intérieur du cluster.