MYSQL

5.

```
baptiste@LENOVO-BAPTISTE:/mnt/c/users/canva/OneDrive/Bureau/BUT/BUT-3/S5/R5_09_Virtualisation/TP/TP1/tp$ kubectl exec -i
t mysql-statefulset-0 -n database -- /bin/bash
bash-5.1# env | grep MYSQL
MYSQL_MAJOR=innovation
MYSQL_SERVICE_PORT_3306_TCP_ADDR=10.107.83.27
MYSQL_ROOT_PASSWORD=baptiste
MYSQL_SERVICE_SERVICE_HOST=10.107.83.27
MYSQL_PASSWORD=m◆m◆◆^
MYSQL_USER=baptiste
MYSQL_VERSION=9.0.1-1.el9
MYSQL_SERVICE_PORT=tcp://10.107.83.27:3306
MYSQL_DATABASE=wordpress
MYSQL_SERVICE_PORT_3306_TCP=tcp://10.107.83.27:3306
MYSQL_SERVICE_PORT_3306_TCP_PORT=3306
MYSQL_SERVICE_SERVICE_PORT=3306
MYSQL_SHELL_VERSION=9.0.1-1.el9
MYSQL_SERVICE_PORT_3306_TCP_PROTO=tcp
bash-5.1#
```

WORDPRESS

3.
```
baptiste@LENOVO-BAPTISTE:/mnt/c/users/canva/OneDrive/Bureau/BUT/BUT-3/S5/R5_09_Virtualisation/TP/TP1/tp$ kubectl apply -
f database/mysql-secret.yml -n middle
secret/mysql-secret created
```

4.
```
baptiste@LENOVO-BAPTISTE:/mnt/c/users/canva/OneDrive/Bureau/BUT/BUT-3/S5/R5_09_Virtualisation/TP/TP1/tp$ kubectl apply -
f database/mysql-configmap.yml -n middle
configmap/mysql-configmap created
```

5.
```
baptiste@LENOVO-BAPTISTE:/mnt/c/users/canva/OneDrive/Bureau/BUT/BUT-3/S5/R5_09_Virtualisation/TP/TP1/tp$ kubectl apply -
f middle/wordpress-deployment.yml -n middle
deployment.apps/wordpress-deployment created
```

6.
```
baptiste@LENOVO-BAPTISTE:/mnt/c/users/canva/OneDrive/Bureau/BUT/BUT-3/S5/R5_09_Virtualisation/TP/TP1/tp$ kubectl apply -
f middle/wordpress-service.yml -n middle
service/wordpress-service created
```

7. kubectl get pods -l app=blog -n middle

kubectl exec -it wordpress-deployment-786467b6db-v6vjn -n middle -- /bin/bash

env | grep WORDPRESS_DB

```
baptiste@LENOVO-BAPTISTE:/mnt/c/users/canva/OneDrive/Bureau/BUT/BUT-3/S5/R5_09_Virtualisation/TP/TP1/tp$ kubectl exec -it wordpress-d
eployment-786467b6db-v6vjn -n middle -- /bin/bash
root@wordpress-deployment-786467b6db-v6vjn:/var/www/html# env | grep WORDPRESS_DB
WORDPRESS_DB_HOST=mysql-service.database.svc.cluster.local
WORDPRESS_DB_PASSWORD=baptiste
WORDPRESS_DB_USER=user
WORDPRESS_DB_NAME=database
root@wordpress-deployment-786467b6db-v6vjn:/var/www/html#
```

NGINX

1.

```
baptiste@LENOVO-BAPTISTE:/mnt/c/users/canva/OneDrive/Bureau/BUT/BUT-3/S5/R5_09_Virtualisation/TP/TP1/tp$ kubectl apply -
f front/nginx-cm.yml -n front
configmap/nginx-config created
```

3.

```
baptiste@LENOVO-BAPTISTE:/mnt/c/users/canva/OneDrive/Bureau/BUT/BUT-3/S5/R5_09_Virtualisation/TP/TP1/tp$ minikube service nginx-servi
ce -n front
|-----------|---------------|-------------|---------------------------|
| NAMESPACE |     NAME      | TARGET PORT |            URL            |
|-----------|---------------|-------------|---------------------------|
| front     | nginx-service |          80 | http://192.168.49.2:32323 |
|-----------|---------------|-------------|---------------------------|
🏃  Starting tunnel for service nginx-service.
|-----------|---------------|-------------|---------------------------|
| NAMESPACE |     NAME      | TARGET PORT |            URL            |
|-----------|---------------|-------------|---------------------------|
| front     | nginx-service |             | http://127.0.0.1:33187    |
|-----------|---------------|-------------|---------------------------|
```

Questions Vérifications :

1- Les ressources doivent être déployées dans les namespaces spécifiés (par exemple, front, middle, database).
kubectl get all -n <namespace>

2- La ressource MySQL ConfigMap contient la configuration de la bdd et doit être dans le namespace où l'application accède à celle ci.

3- Pour vérifier le démarage des Pods la commande est : kubectl get pods -n <namespace>

4- Pour voir les événements des namespaces : kubectl get events -n <namespace>