

# EVIDENCIA VISUAL

## - Verificación de recursos

### Pods

```
soniamarlo@soniamarlo-Latitude-E7440:~/Documentos/kubernetes/prac-final-kb/prac-final-kb$ kubectl get pods -n flask-mysql-kb
```

NAME	READY	STATUS	RESTARTS	AGE
flask-mysql-kb-flask-mysql-kb-6c6679db66-jzh45	1/1	Running	0	55m
flask-mysql-kb-flask-mysql-kb-6c6679db66-pnt5c	1/1	Running	0	55m
flask-mysql-kb-flask-mysql-kb-mysql-0	1/1	Running	0	24s

### Ingress

```
soniamarlo@soniamarlo-Latitude-E7440:~/Documentos/kubernetes/prac-final-kb/prac-final-kb$ kubectl get ingress -n flask-mysql-kb
```

NAME	CLASS	HOSTS	ADDRESS	PORTS	AGE
flask-mysql-kb-flask-mysql-kb	nginx	flask-app.local	192.168.49.2	80	23h

### Servicios

```
soniamarlo@soniamarlo-Latitude-E7440:~/Documentos/kubernetes/prac-final-kb/prac-final-kb$ kubectl get service -n flask-mysql-kb
```

NAME	TYPE	CLUSTER-IP	EXTERNAL-IP	PORT(S)	AGE
flask-mysql-kb-flask-mysql-kb	LoadBalancer	10.99.106.161	10.99.106.161	80:30534/TCP	23h
flask-mysql-kb-flask-mysql-kb-mysql-service	ClusterIP	None	<none>	3306/TCP	23h
mysql-container	ClusterIP	10.111.89.190	<none>	3306/TCP	23h

### Endpoints

```
soniamarlo@soniamarlo-Latitude-E7440:~/Documentos/kubernetes/prac-final-kb/prac-final-kb$ kubectl get endpoints -n flask-mysql-kb
```

NAME	ENDPOINTS	AGE
flask-mysql-kb-flask-mysql-kb	10.244.0.12:8080,10.244.0.13:8080,10.244.0.14:8080	23h
flask-mysql-kb-flask-mysql-kb-mysql-service	10.244.0.12:3306,10.244.0.13:3306,10.244.0.14:3306	23h
mysql-container	10.244.0.12:3306,10.244.0.13:3306,10.244.0.14:3306	23h

### PVC

```
soniamarlo@soniamarlo-Latitude-E7440:~/Documentos/kubernetes/prac-final-kb/prac-final-kb$ kubectl get pvc -n flask-mysql-kb
```

NAME	STATUS	VOLUME	CAPACITY	ACCESS MODES	STORAGECLASS	VOLUMEATTRIBUTESCLASS	AGE
mysql-persistent-storage-flask-mysql-kb-flask-mysql-kb-mysql-0	Bound	pvc-71c21e3f-98ba-4575-8343-2c7f5fcd4be3	1Gi	RWO	standard	<unset>	23h

## Todos los recursos

```
soniamar@soniamar@Latitude-E7440:~/Documentos/kubernetes/prac-final-kb/prac-final-kb$ kubectl get all,configmaps,secrets,pvc -n flask-mysql-kb
```

NAME	READY	STATUS	RESTARTS	AGE
pod/flask-mysql-kb-flask-mysql-kb-6c6679db66-jzh45	1/1	Running	0	57m
pod/flask-mysql-kb-flask-mysql-kb-6c6679db66-pnt5c	1/1	Running	0	57m
pod/flask-mysql-kb-flask-mysql-kb-mysql-0	1/1	Running	0	3m6s

NAME	TYPE	CLUSTER-IP	EXTERNAL-IP	PORT(S)	AGE
service/flask-mysql-kb-flask-mysql-kb	LoadBalancer	10.99.106.161	10.99.106.161	80:30534/TCP	57m
service/flask-mysql-kb-flask-mysql-kb-mysql-service	ClusterIP	None	<none>	3306/TCP	57m
service/mysql-container	ClusterIP	10.111.89.190	<none>	3306/TCP	57m

NAME	READY	UP-TO-DATE	AVAILABLE	AGE
deployment.apps/flask-mysql-kb-flask-mysql-kb	2/2	2	2	57m

NAME	DESIRED	CURRENT	READY	AGE
replicaset.apps/flask-mysql-kb-flask-mysql-kb-6c6679db66	2	2	2	57m

NAME	READY	AGE
statefulset.apps/flask-mysql-kb-flask-mysql-kb-mysql	1/1	57m

NAME	REFERENCE	TARGETS	MINPODS	MAXPODS	REPLICAS	AGE
horizontalpodautoscaler.autoscaling/flask-mysql-kb-flask-mysql-kb	Deployment/flask-mysql-kb-flask-mysql-kb	cpu: <unknown>/70%	2	5	2	57m

NAME	DATA	AGE
configmap/flask-mysql-kb-flask-mysql-kb-configmap	2	57m
configmap/init-sql-configmap	1	57m
configmap/kube-root-ca.crt	1	63m

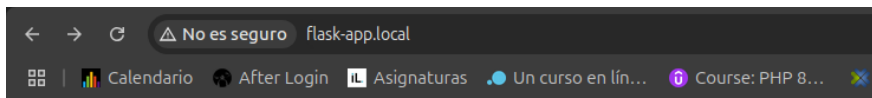
  

NAME	TYPE	DATA	AGE
secret/flask-mysql-kb-flask-mysql-kb-mysql-secret	Opaque	3	57m
secret/flask-mysql-kb-flask-mysql-kb-secret	Opaque	1	57m
secret/sh.helm.release.v1.flask-mysql-kb.v1	helm.sh/release.v1	1	57m
secret/sh.helm.release.v1.flask-mysql-kb.v2	helm.sh/release.v1	1	56m
secret/sh.helm.release.v1.flask-mysql-kb.v3	helm.sh/release.v1	1	3m10s

NAME	VOLUMEATTRIBUTESCLASS	AGE	STATUS	VOLUME	CAPACITY	ACCESS MODES	STORAGECLASS
persistentvolumeclaim/mysql-persistent-storage-flask-mysql-kb-flask-mysql-kb-mysql-0		57m	Bound	pvc-71c21e3f-98ba-4575-8343-2c7f5fcd4be3	1Gi	RwO	standard
<unset>							

- Verificación interna del funcionamiento
  - o Aplicación Flask
    - Endpoints aplicación



## Bienvenido a la Aplicación de Gestión de Adopciones

Utiliza los siguientes endpoints para interactuar con la API:

- **GET /usuarios:** Lista de todos los usuarios
- **POST /usuarios:** Añadir un nuevo usuario
- **GET /perros:** Lista de todos los perros
- **POST /perros:** Añadir un nuevo perro
- **GET /historialAdopciones:** Ver historial de adopciones
- **POST /historialAdopciones:** Añadir un historial de adopción

Para más información, consulta la documentación o el archivo README.md.

- o Añadir datos
  - Añadir usuario

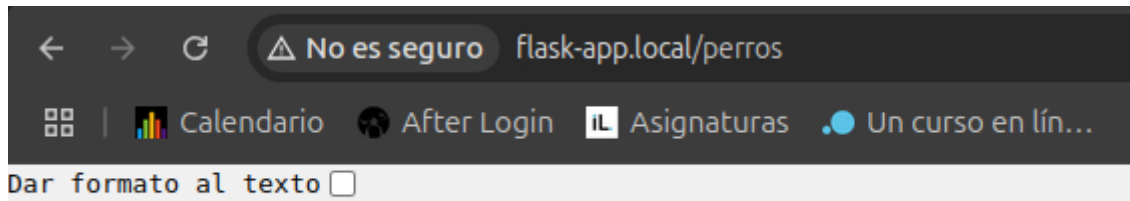
```
soniamar@soniamar@Latitude-E7440:~/Documentos/kubernetes/prac-final-kb/prac-final-kb$ curl -X POST http://flask-app.local/usuarios \
-H "Content-Type: application/json" \
-d '{
  "nombre": "Sonia Martin",
  "email": "sonia.martin@example.com",
  "direccion": "Calle Piruleta 004",
  "CP": "28031",
  "localidad": "Madrid"
}'
{"email":"sonia.martin@example.com","id":1,"nombre":"Sonia Martin"}
```

Dar formato al texto ☐

```
[{"CP":"28031","direccion":"Calle Piruleta 004","email":"sonia.martin@example.com","id":1,"localidad":"Madrid","nombre":"Sonia Martin"}]
```

## ■ Añadir perro

```
soniamarlo@soniamarlo-Latitude-E7440:~/Documentos/kubernetes/prac-final-kb/prac-final-kb$ curl -X POST http://flask-app.local/perros -H "Content-Type: application/json" -d '{
  "nombre": "Firulais",
  "raza": "Labrador",
  "idUsuario": 1
}'
{"id":1,"idUsuario":1,"nombre":"Firulais","raza":"Labrador"}
```



```
[{"id":1,"idUsuario":1,"nombre":"Firulais","raza":"Labrador"}]
```

## ■ Añadir historial de adopción

```
soniamarlo@soniamarlo-Latitude-E7440:~/Documentos/kubernetes/prac-final-kb/prac-final-kb$ curl -X POST http://flask-app.local/historialAdopciones \
-H "Content-Type: application/json" \
-d '{
  "fecha": "2024-08-22",
  "idUsuario": 1,
  "idPerro": 1
}'
```

## o MySQL

```
soniamarlo@soniamarlo-Latitude-E7440:~/Documentos/kubernetes/prac-final-kb/prac-final-kb$ kubectl exec -it flask-mysql-kb-flask-mysql-kb-mysql-0 -n flask-mysql-kb -- mysql -u root
-p
Enter password:
Welcome to the MySQL monitor.  Commands end with ; or \g.
Your MySQL connection id is 10
Server version: 8.0.40 MySQL Community Server - GPL

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affiliates. Other names may be trademarks of their respective
owners.

Type 'help;' or '\h' for help. Type '\c' to clear the current input statement.

mysql> USE mydb;
Reading table information for completion of table and column names
You can turn off this feature to get a quicker startup with -A

Database changed
mysql> SHOW TABLES;
+-----+
| Tables_in_mydb |
+-----+
| historialAdopciones |
| perros           |
| usuarios         |
+-----+
3 rows in set (0.00 sec)
```

## ■ Tabla usuarios

```
mysql> SELECT * FROM usuarios;
+-----+-----+-----+-----+-----+-----+
| id | nombre | email | direccion | CP | localidad |
+-----+-----+-----+-----+-----+-----+
| 1 | Sonia Martin | sonia.martin@example.com | Calle Piruleta 004 | 28031 | Madrid |
+-----+-----+-----+-----+-----+-----+
1 row in set (0.00 sec)
```

- Tabla perros

```
mysql> SELECT * FROM perros;
+----+-----+-----+-----+
| id | nombre | raza   | idUsuario |
+----+-----+-----+-----+
| 1  | Firulais | Labrador | 1         |
+----+-----+-----+-----+
1 row in set (0.00 sec)
```

- Tabla historial de adopciones

```
mysql> SELECT * FROM historialAdopciones;
+----+-----+-----+-----+
| id | fecha      | idUsuario | idPerro |
+----+-----+-----+-----+
| 1  | 2024-08-22 | 1         | 1       |
+----+-----+-----+-----+
1 row in set (0.00 sec)
```