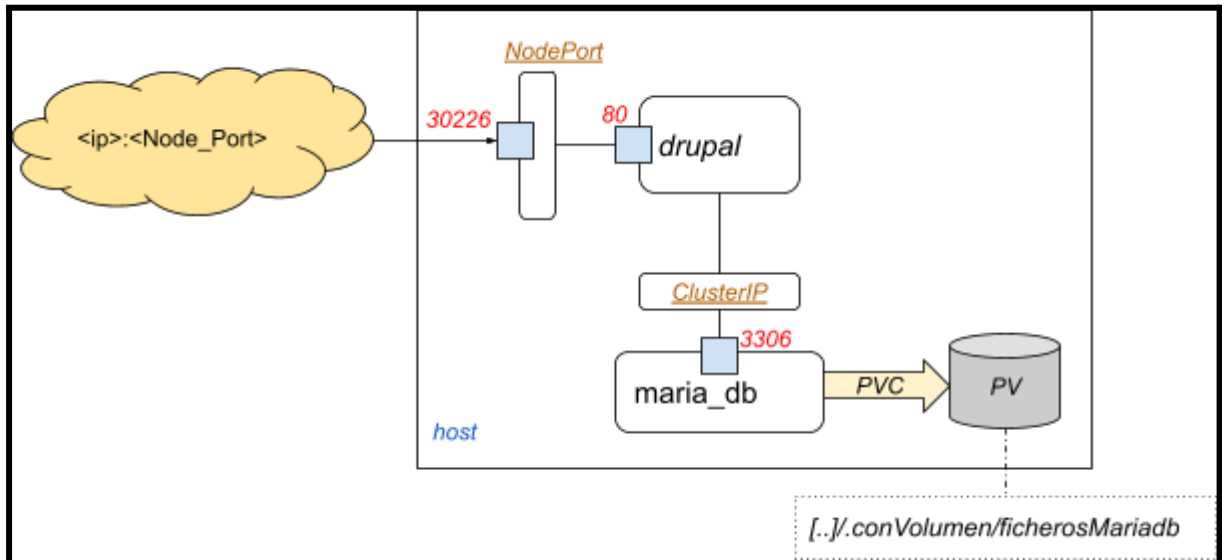


Sección 8/9/10/18 - deployment and Services with pv

Arquitectura



1. Creamos el pv para mariadb

2. Creamos el pvc para mariadb

3. Creamos deploy+service de drupal

```
devuser@debian11-2:~/Kube/Seccion8-9-10/dropal/conVolumen$ kubectl apply -f drupal.yaml
deployment.apps/dropal created
service/frontend-drupal created
devuser@debian11-2:~/Kube/Seccion8-9-10/dropal/conVolumen$
```

4. Revisamos todos los objetos

```
devuser@debian11-2:~/Kube/Seccion8-9-10/dropal/conVolumen$ kubectl get all
NAME                                READY   STATUS    RESTARTS   AGE
pod/drupal-6646c8cd85-9vmt2        1/1     Running   1 (24m ago)  18h
pod/mariadb-vol-85bb7c94f7-vb5kr    1/1     Running   1 (24m ago)  19h

NAME                                TYPE          CLUSTER-IP      EXTERNAL-IP      PORT(S)
service/database-mariadb-vol        ClusterIP      10.102.232.228   <none>            3306/TCP
service/frontend-drupal             NodePort       10.97.48.39      <none>            80:30521/TCP
service/kubernetes                  ClusterIP      10.96.0.1        <none>            443/TCP

NAME                                READY   UP-TO-DATE   AVAILABLE   AGE
deployment.apps/drupal              1/1     1             1           18h
deployment.apps/mariadb-vol         1/1     1             1           19h

NAME                                DESIRED   CURRENT   READY   AGE
replicaset.apps/drupal-6646c8cd85   1         1         1       18h
replicaset.apps/mariadb-vol-75d4f8755c 0         0         0       19h
replicaset.apps/mariadb-vol-85bb7c94f7 1         1         1       19h
devuser@debian11-2:~/Kube/Seccion8-9-10/dropal/conVolumen$
```

5. Ingresamos a la web

Choose language | Drupal × +

← → ↻ 192.168.49.2:30521/core/install.php

Drupal 10.1.1

- 1 Choose language
- 2 Choose profile
- 3 Verify requirements
- 4 Set up database

Choose language

English ▼

Save and continue

6. configuramos drupal

Choose language

English ▼

Save and continue

Select an installation profile

☒ **Standard**
Install with commonly used features pre-configured.

☐ **Minimal**
Build a custom site without pre-configured functionality. Suitable for advanced users.

☐ **Demo: Umami Food Magazine (Experimental)**
Install an example site that shows off some of Drupal's capabilities.

Save and continue

Database configuration

Database type *

☒ MySQL, MariaDB, Percona Server, or equivalent

☐ PostgreSQL

☐ SQLite

Database name *

drupal

Database username *

drupal

Database password

••••••

Advanced options

Host *

database-mariadb-vol

Port number

3306

Transaction isolation level

READ COMMITTED ▼

service: con volumen

Drupal already installed

- To start over, you must empty your existing database and copy *default.settings.php* over *settings.php*.
- To upgrade an existing installation, proceed to the [update script](#).
- View your [existing site](#).

Nos avisa que ya tenemos una instancia de drupal.



Vemos que tenemos información que fue almacenada con anterioridad

7. Una vez finalizada la configuración de drupal, poner a prueba el concepto de “volumen persistente” donde al eliminar los pods, no se elimina toda configuración que se realizó perdiendo todos los avances. **De ahí la importancia de los volúmenes persistentes**

Drupal already installed

- To start over, you must empty your existing database and copy *default.settings.php* over *settings.php*.
- To upgrade an existing installation, proceed to the [update script](#).
- View your [existing site](#).