

# [Sistemas de gestión empresarial]

## [U1. Introducción a Docker]

[Creación de un servidor Moodle a través de un  
fichero docker-compose.yml.]

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# ÍNDICE

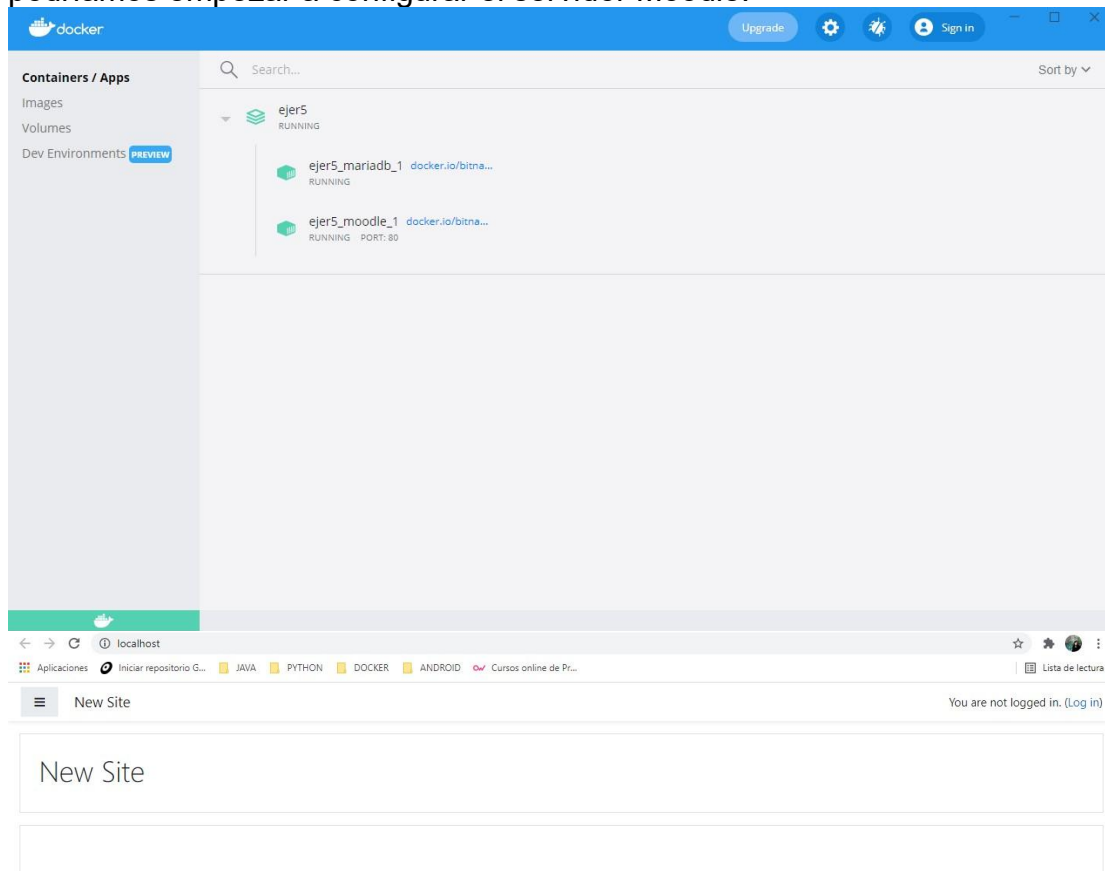
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Para la realización de la práctica he utilizado el fichero docker-compose.yml de Bitnami, donde ya tenemos la estructura para crear los dos contenedores, uno para la base de datos y otro para el servidor:

```
esther@DESKTOP-TF5UUC2: ~/ ejer5
esther@DESKTOP-TF5UUC2:~$ git clone https://github.com/bitnami/bitnami-docker-moodle.git ejer5
Cloning into 'ejer5'...
remote: Enumerating objects: 11263, done.
remote: Counting objects: 100% (1416/1416), done.
remote: Compressing objects: 100% (691/691), done.
remote: Total 11263 (delta 622), reused 1265 (delta 479), pack-reused 9847
Receiving objects: 100% (11263/11263), 1.32 MiB | 814.00 KiB/s, done.
Resolving deltas: 100% (4876/4876), done.
esther@DESKTOP-TF5UUC2:~$ cd ejer5
esther@DESKTOP-TF5UUC2:~/ejer5$ docker-compose up -d
Creating network "ejer5_default" with the default driver
Creating volume "ejer5_mariadb_data" with local driver
Creating volume "ejer5_moodle_data" with local driver
Creating volume "ejer5_moodledata_data" with local driver
Pulling mariadb (docker.io/bitnami/mariadb:10.5)...
10.5: Pulling from bitnami/mariadb
d8cf0c803abf: Pull complete
eb8494c93cf6: Pull complete
4b386b237cca: Pull complete
f8a9455a250c: Pull complete
56e10e9e0ade: Pull complete
8d1763541111: Pull complete
dfc6cee7c1f5: Pull complete
5b73b96cb7c4: Pull complete
ee128bf5eb40: Pull complete
5207b375117a: Pull complete
Digest: sha256:1ffa9bb83e3361b4431d7989e5c89b3c9d4e5cbf90a4fa81d5849a198b0f163e
Status: Downloaded newer image for bitnami/mariadb:10.5
Pulling moodle (docker.io/bitnami/moodle:3)...
3: Pulling from bitnami/moodle
d8cf0c803abf: Already exists
14427fb6385b: Pull complete
e7535dccc6ca4: Pull complete
ae8251850a91: Pull complete
238e90dcb5ba: Pull complete
e53082e12942: Pull complete
ea7d078b8727: Pull complete
2a57c8bc45a8: Pull complete
65ec85a475ae: Pull complete
e9735bae0d54: Pull complete
27afd296f582: Pull complete
28026d474deb: Pull complete
da9ec27dce1c: Pull complete
678c42a9f673: Pull complete
44809ad75958: Pull complete
e242a2ae0eaf: Pull complete
c40e55b80f7f: Pull complete
a6e051ec7dee: Pull complete
17a27467535b: Pull complete
bf8bd199d2b4: Pull complete
c3dc4c4f2ffb: Pull complete
5bea53cb5bc0: Pull complete
17a27467535b: Pull complete
bf8bd199d2b4: Pull complete
c3dc4c4f2ffb: Pull complete
5bea53cb5bc0: Pull complete
3761a1b694e1: Pull complete
Digest: sha256:cafed7493fbdcc33a5ff66879ac9b33f4823726596f920d53a13218fc4241caa
Status: Downloaded newer image for bitnami/moodle:3
Creating ejer5_mariadb_1 ... done
Creating ejer5_moodle_1 ... done
esther@DESKTOP-TF5UUC2:~/ejer5$
```

Ya tenemos los dos contenedores funcionando y si accedemos al localhost podríamos empezar a configurar el servidor Moodle:



Además ambos volúmenes se encuentran ubicados en un archivo local de la máquina anfitrión:

```

esther@DESKTOP-TF5UUC2:~/ejer5$ docker volume ls
DRIVER      VOLUME NAME
local       5c627eb82b61369c79ef457a5396c43a0b2b7d8a89afb8f481fe325d2ad329eb
local       654d715010190c265da81a748432ec1f8c3655bf575a167479b9833e73be4cf1
local       95402a4fb6baebfde525d6e762a26d7f8d8900b341d4bf9a40228203d4e5a5fb
local       3208352dd4b11a3d3d5afa80fc7744a7e6193d49abefc04276190c8f9a6d8dc9
local       acf464dbe77485d136fa80bbf997ba366c498ecf35e27be5e6eeaf2dd56c429d
local       ejer5_mariadb_data
local       ejer5_moodle_data
local       ejer5_moodledata_data
local       portainer_data
esther@DESKTOP-TF5UUC2:~/ejer5$

```