

NASA Lab8

1.

```
~  
→ docker ps -a  
CONTAINER ID   IMAGE                                COMMAND                  CREATED        STATUS        PORTS                               NAMES  
78a268dc9bbc   domjudge/domserver:latest          "/scripts/start.sh"     About a minute ago    Up About a minute (healthy)    0.0.0.0:12345->80/tcp          domserver  
6fc8d1ec9b8    mariadb                             "docker-entrypoint.s..." 4 minutes ago      Up 4 minutes                    0.0.0.0:13306->3306/tcp       dj-mariadb
```

2.

```
~  
→ docker exec -it domserver bash  
root@78a268dc9bbc:/# cat /opt/domjudge/domserver/etc/initial_admin_password.secret  
suNo_X83K2GgPa2G
```

3. (a)

```
~  
→ docker run -d --name dj-mariadb --network domjudge-net -e MYSQL_ROOT_PASSWORD=password -e MYSQL_USER=user -e MYSQL_PASSWORD=password -e MYSQL_DATABASE=domjudge -p 13306:3306 mariadb --max-connections=1000  
  
Unable to find image 'mariadb:latest' locally  
latest: Pulling from library/mariadb  
0c9f57c1bb30: Download complete  
2726e237d1a3: Download complete  
0b86886c6aaa: Download complete  
43028b9f5f8e: Download complete  
5e4180757702: Download complete  
bbef7eafa75b: Download complete  
2b221cf763a8: Download complete  
ab732728101f: Download complete  
Digest: sha256:81e893032978c4bf8ad43710b7a979774ed90787fa32d199162148ce28fe3b76  
Status: Downloaded newer image for mariadb:latest  
6fc8d1ec9b8cbce0bcea54dd29388dae35feab7f8a164bb8291bdb5cc6ef679
```

```
~ took 24s  
→ docker run -d --name domserver --network domjudge-net -e MYSQL_HOST=dj-mariadb -e MYSQL_USER=user -e MYSQL_DATABASE=domjudge -e MYSQL_PASSWORD=password -e MYSQL_ROOT_PASSWORD=password -p 12345:80 domjudge/domserver:latest  
  
Unable to find image 'domjudge/domserver:latest' locally  
latest: Pulling from domjudge/domserver  
c1b4a30b39ca: Download complete  
881a99572819: Download complete  
f2326099ddf8: Download complete  
c14e4aa2865f: Download complete  
d517a470ad66: Download complete  
6e909acdb790: Download complete  
0e537bae7cfd: Download complete  
1901c2b779cd: Download complete  
a0b179a9cb76: Download complete  
4b2d97556bdb: Download complete  
Digest: sha256:13075bcd22253b0e83fe604a13a8981ccac54b871e89c33232e0531e44c02bb4  
Status: Downloaded newer image for domjudge/domserver:latest  
78a268dc9bbce573b61d25d3ddbf6f764c9384df5b1ca076d828ef843f3468a6
```

(b)

2025-NASA/Lab/Lab8-Docker via  **desktop-linux**

```
→ docker compose up -d                                     (base)  
[+] Running 3/3  
✓ Network lab8-docker_domjudge-net    Created    0.1s  
✓ Container dj-mariadb                Started    0.4s  
✓ Container domserver                 Started    0.5s
```

4.

You can find that you're basically just writing the parameters
you'd use with docker run into a YAML file.

docker-compose.yml

services:

 mariadb:

 image: mariadb

 container_name: dj-mariadb

 environment:

 MYSQL_ROOT_PASSWORD: password

 MYSQL_USER: user

 MYSQL_PASSWORD: password

 MYSQL_DATABASE: domjudge

 ports:

 - "13306:3306"

 networks:

 - domjudge-net

 command: --max-connections=1000

 domserver:

 image: domjudge/domserver:latest

 container_name: domserver

 depends_on:

 - mariadb

 environment:

 MYSQL_HOST: dj-mariadb

 MYSQL_USER: user

 MYSQL_DATABASE: domjudge

 MYSQL_PASSWORD: password

 MYSQL_ROOT_PASSWORD: password

 ports:

 - "12345:80"

 networks:

 - domjudge-net

networks:

 domjudge-net:

 driver: bridge

DOMjudge

Scoreboard

Problemset












Login

4:56:24

Demo contest

started: 05:47 - ends: 10:47

Filter

RANK	TEAM	SCORE	A	B	C
1	  Example teamname Utrecht University	0 0			
SUMMARY		0	 0  0  0 n/a	 0  0  0 n/a	 0  0  0 n/a

Cell colours

Medals (tentative)

Solved first	Gold Medal
Solved	Silver Medal
Tried, incorrect	Bronze Medal
Tried, pending	
Untried	

5.