

Microsoft Windows [Versión 10.0.22631.3958]
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```
C:\Users\admin>docker pull busybox
Using default tag: latest
latest: Pulling from library/busybox
ec562eabd705: Pull complete
Digest: sha256:9ae97d36d26566ff84e8893c64a6dc4fe8ca6d1144bf5b87b2b85a32def253c7
Status: Downloaded newer image for busybox:latest
docker.io/library/busybox:latest
```

What's Next?

1. Sign in to your Docker account → [docker login](#)
2. View a summary of image vulnerabilities and recommendations → [docker scout quickview busybox](#)

C:\Users\admin>

```
C:\Users\admin>docker run busybox

C:\Users\admin>
```



optimistic_mahavira
0a92ef52de51 

[busybox](#)

Exited

N/A



```
C:\Users\admin>docker run busybox echo "Hola"
Hola
```



ecstatic_lamarr
4b6a20bd9bbe 

[busybox](#)

Exited

N/A



```
C:\Users\admin>docker ps
CONTAINER ID   IMAGE      COMMAND                  CREATED        STATUS        PORTS          NAMES
4b6a20bd9bbe   busybox    "echo Hola"             About a minute ago    Exited (0) About a minute ago    ecstatic_lamarr
0a92ef52de51   busybox    "sh"                    3 minutes ago        Exited (0) 3 minutes ago        optimistic_mahavira
28095e7e53ab   proyectoarqsw2-frontend "docker-entrypoint.s..." 3 weeks ago        Exited (1) 2 weeks ago        proyectoarqsw2-frontend-1
273578c88a29   nginx     "/docker-entrypoint..." 3 weeks ago        Exited (0) 2 weeks ago        nginx_search2
577d57d92715   nginx     "/docker-entrypoint..." 3 weeks ago        Exited (0) 2 weeks ago        nginx_hotels
6e022cf67ab9   nginx     "/docker-entrypoint..." 3 weeks ago        Exited (0) 2 weeks ago        nginx_uba
7ee2c91737f   proyectoarqsw2-arqsw2-hotels "/hotels/hotels"        3 weeks ago        Exited (2) 2 weeks ago        arqsw2-hotels
c733cab165c1   proyectoarqsw2-arqsw2-search2 "/search2/search2"      3 weeks ago        Exited (2) 2 weeks ago        arqsw2-search2
c9ed34333d24   proyectoarqsw2-arqsw2-uba "/uba/uba"              3 weeks ago        Exited (2) 2 weeks ago        arqsw2-uba
24f1964de718   solr:latest "docker-entrypoint.s..." 3 weeks ago        Exited (143) 2 weeks ago        my-solr
88eb66a49dcb   proyectoarqsw2-arqsw2-db "docker-entrypoint.s..." 3 weeks ago        Exited (0) 2 weeks ago        arqsw2-db
b0c481951664   rabbitmq:3-management "docker-entrypoint.s..." 3 weeks ago        Exited (0) 2 weeks ago        rabbitmq
2117b5d37a19   mongo     "docker-entrypoint.s..." 3 weeks ago        Exited (0) 2 weeks ago        mongo
29db82d79afe   memcached:1.6.16 "docker-entrypoint.s..." 3 weeks ago        Exited (0) 3 minutes ago        memcached
b1a5624b9c07   arqsw1v2-frontend "docker-entrypoint.s..." 8 months ago        Exited (1) 8 months ago        arqsw1v2-frontend-1
5ae707e59d1f   arqsw1v2-backend "/backend/repo"         8 months ago        Exited (2) 8 months ago        arqsw1v2-backend-1
7a5a5699e49d   arqsw1v2-arqsw1-db "docker-entrypoint.s..." 8 months ago        Exited (0) 8 months ago        arqsw1v2-arqsw1-db-1

C:\Users\admin>
```

```

C:\Users\admin>docker run -it busybox sh
/ # ls
bin      dev      etc      home     lib      lib64    proc     root     sys      tmp      usr      var
/ # ps
PID      USER     TIME    COMMAND
   1   root         0:00    sh
   8   root         0:00    ps
/ # uptime
17:48:24 up 10 min,  0 users,  load average: 0.00, 0.04, 0.05
/ # free
              total        used        free      shared  buff/cache   available
Mem:          8005704        957408        5759260          4020       1289036       6800004
Swap:         2097152           0         2097152
/ # ls -l
total 40
drwxr-xr-x   2 root    root          12288 May 18  2023 bin
drwxr-xr-x   5 root    root           360 Aug 13  17:46 dev
drwxr-xr-x   1 root    root          4096 Aug 13  17:46 etc
drwxr-xr-x   2 nobody  nobody        4096 May 18  2023 home
drwxr-xr-x   2 root    root          4096 May 18  2023 lib
lrwxrwxrwx   1 root    root           3 May 18  2023 lib64 -> lib
dr-xr-xr-x 241 root    root           0 Aug 13  17:46 proc
drwx-----   1 root    root          4096 Aug 13  17:47 root
dr-xr-xr-x  11 root    root           0 Aug 13  17:46 sys
drwxrwxrwt   2 root    root          4096 May 18  2023 tmp
drwxr-xr-x   4 root    root          4096 May 18  2023 usr
drwxr-xr-x   4 root    root          4096 May 18  2023 var
/ #
/ # exit

```

```

Welcome Dockerfile X
TP2 > SimpleWebAPI > Dockerfile > ...
1  #See https://aka.ms/containerfastmode to understand how Visual Studio uses this Dockerfile to build your images for faster debugging.
2
3  FROM mcr.microsoft.com/dotnet/aspnet:7.0 AS base
4  WORKDIR /app
5  EXPOSE 80
6  EXPOSE 443
7  EXPOSE 5254
8
9  FROM mcr.microsoft.com/dotnet/sdk:7.0 AS build
10 WORKDIR /src
11 COPY ["SimpleWebAPI/SimpleWebAPI.csproj", "SimpleWebAPI/"]
12 RUN dotnet restore "SimpleWebAPI/SimpleWebAPI.csproj"
13 COPY . .
14 WORKDIR "/src/SimpleWebAPI"
15 RUN dotnet build "SimpleWebAPI.csproj" -c Release -o /app/build
16
17 FROM build AS publish
18 RUN dotnet publish "SimpleWebAPI.csproj" -c Release -o /app/publish /p:UseAppHost=false
19
20 FROM base AS final
21 WORKDIR /app
22 COPY --from=publish /app/publish .
23 ENTRYPOINT ["dotnet", "SimpleWebAPI.dll"]
24 #CMD ["/bin/bash"]
25
26
27

```

Explicación:

FROM mcr.microsoft.com/dotnet/aspnet:7.0 AS base

establece la imagen base para esta etapa del proceso de construcción. Se utiliza la imagen de ASP.NET 7.0 como base.

AS base le da un nombre a esta etapa, que se puede referenciar en otras partes del Dockerfile.

WORKDIR /app

Cambia el directorio de trabajo actual dentro del contenedor a /app .

EXPOSE (80, 443, 5254)

Indica que el contenedor expone el puerto 80. Esto no realiza una publicación real del puerto, pero proporciona información a otros desarrolladores o administradores sobre qué puertos podría necesitar el contenedor.

FROM mcr.microsoft.com/dotnet/sdk:7.0 AS build

Establece otra imagen base para esta etapa, en este caso, la imagen SDK de .NET

WORKDIR /src

Cambia el directorio de trabajo actual nuevamente, esta vez a /src .

COPY ["SimpleWebAPI/SimpleWebAPI.csproj", "SimpleWebAPI/"]

Copia el archivo SimpleWebAPI.csproj del directorio SimpleWebAPI/ del contexto de construcción al directorio actual en el contenedor (/src).

RUN dotnet restore "SimpleWebAPI/SimpleWebAPI.csproj"

Ejecuta el comando dotnet restore para restaurar las dependencias del proyecto contenidas en el archivo SimpleWebAPI.csproj .

COPY . .

Copia todo el contenido del contexto de construcción al directorio actual en el contenedor (/src).

WORKDIR "/src/SimpleWebAPI"

Cambia el directorio de trabajo actual al subdirectorio SimpleWebAPI dentro de /src .

RUN dotnet build "SimpleWebAPI.csproj" -c Release -o /app/build

Ejecuta el comando dotnet build para compilar el proyecto SimpleWebAPI.csproj en modo Release y coloca los resultados en el directorio /app/build .

FROM build AS publish

Define una nueva etapa llamada publish basada en la etapa anterior build .

RUN dotnet publish "SimpleWebAPI.csproj" -c Release -o /app/publish

/p:UseAppHost=false

Ejecuta el comando dotnet publish para publicar la aplicación en modo Release y almacena los archivos publicados en el directorio /app/publish . La opción /p:UseAppHost=false indica que no se utilizará un host de aplicación específico al publicar.

COPY --from=publish /app/publish .

Copia los archivos publicados desde la etapa publish al directorio actual (/app) en esta etapa final .

ENTRYPOINT ["dotnet", "SimpleWebAPI.dll"]

Establece el comando de entrada principal cuando se inicie el contenedor. En este caso, ejecuta el archivo SimpleWebAPI.dll utilizando el entorno de ejecución de .NET.

CMD ["/bin/bash"]

Establece el comando por defecto que se ejecutaría al iniciar el contenedor en lugar del ENTRYPOINT . En este caso, ejecutaría el shell de bash dentro del contenedor.

```

C:\Users\admin>docker ps -a
CONTAINER ID   IMAGE                                COMMAND                  CREATED          STATUS          PORTS          NAMES
c7f21d6aa865   busybox                             "sh"                    6 minutes ago   Exited (0) 3 minutes ago           optimistic_meninsky
4b6a20b09bbe   busybox                             "echo Hola"             9 minutes ago   Exited (0) 9 minutes ago           ecstatic_lamarr
8a92ef52de51   busybox                             "sh"                    12 minutes ago   Exited (0) 12 minutes ago          optimistic_mahavira
28895e7e53ab   proyectorarqsw2-frontend            "docker-entrypoint.s..." 3 weeks ago     Exited (1) 2 weeks ago           proyectorarqsw2-frontend-1
273578c88a29   nginx                               "/docker-entrypoint..." 3 weeks ago     Exited (0) 2 weeks ago           nginx_search2
577d57d92715   nginx                               "/docker-entrypoint..." 3 weeks ago     Exited (0) 2 weeks ago           nginx_hotels
6e422cf67ab9   nginx                               "/docker-entrypoint..." 3 weeks ago     Exited (0) 2 weeks ago           nginx_uba
7eef2c91737f   proyectorarqsw2-arqsw2-hotels       "/hotels/hotels"        3 weeks ago     Exited (2) 2 weeks ago           arqsw2-hotels
c733cab165c1   proyectorarqsw2-arqsw2-search2     "/search2/search2"      3 weeks ago     Exited (2) 2 weeks ago           arqsw2-search2
c9ed34333d24   proyectorarqsw2-arqsw2-uba         "/uba/uba"              3 weeks ago     Exited (2) 2 weeks ago           arqsw2-uba
24f1964de718   solr:latest                         "docker-entrypoint.s..." 3 weeks ago     Exited (143) 2 weeks ago          my-solr
88eb66a49dcb   proyectorarqsw2-arqsw2-db          "docker-entrypoint.s..." 3 weeks ago     Exited (0) 2 weeks ago           arqsw2-db
b0c481951664   rabbitmq:3-management              "docker-entrypoint.s..." 3 weeks ago     Exited (0) 2 weeks ago           rabbitmq
2117b5d37a19   mongo                              "docker-entrypoint.s..." 3 weeks ago     Exited (0) 2 weeks ago           mongo
29db02d79afe   memcached:1.6.16                  "docker-entrypoint.s..." 3 weeks ago     Exited (0) 11 minutes ago        memcached
b1a5624b9c07   arqswlv2-frontend                  "docker-entrypoint.s..." 8 months ago    Exited (1) 8 months ago          arqswlv2-frontend-1
5ae707e59a1f   arqswlv2-backend                  "/backend/repo"          8 months ago    Exited (2) 8 months ago          arqswlv2-backend-1
7a5a5699e49d   arqswlv2-arqsw1-db                 "docker-entrypoint.s..." 8 months ago    Exited (0) 8 months ago          arqswlv2-arqsw1-db-1

C:\Users\admin>docker rm ecstatic_lamarr
ecstatic_lamarr

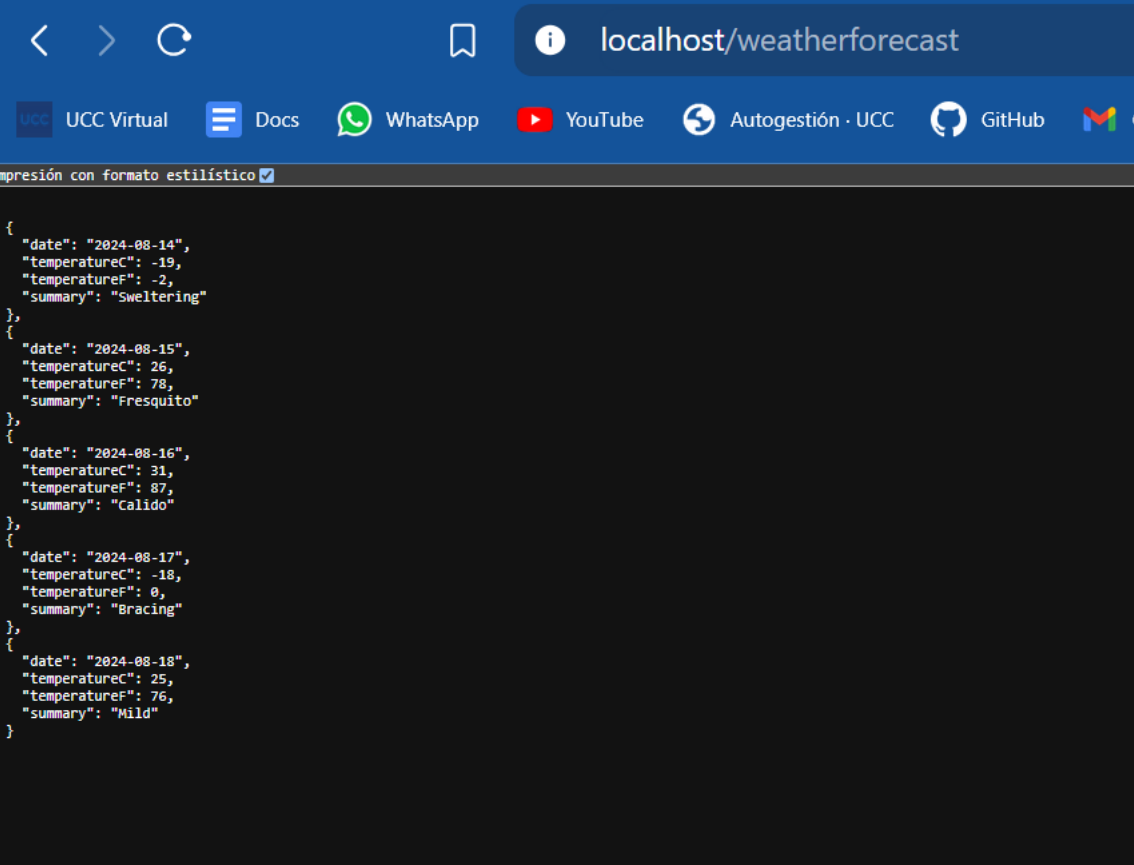
C:\Users\admin>docker ps -a
CONTAINER ID   IMAGE                                COMMAND                  CREATED          STATUS          PORTS          NAMES
c7f21d6aa865   busybox                             "sh"                    7 minutes ago   Exited (0) 4 minutes ago           optimistic_meninsky
8a92ef52de51   busybox                             "sh"                    13 minutes ago   Exited (0) 13 minutes ago          optimistic_mahavira
28895e7e53ab   proyectorarqsw2-frontend            "docker-entrypoint.s..." 3 weeks ago     Exited (1) 2 weeks ago           proyectorarqsw2-frontend-1
273578c88a29   nginx                               "/docker-entrypoint..." 3 weeks ago     Exited (0) 2 weeks ago           nginx_search2
577d57d92715   nginx                               "/docker-entrypoint..." 3 weeks ago     Exited (0) 2 weeks ago           nginx_hotels
6e422cf67ab9   nginx                               "/docker-entrypoint..." 3 weeks ago     Exited (0) 2 weeks ago           nginx_uba
7eef2c91737f   proyectorarqsw2-arqsw2-hotels       "/hotels/hotels"        3 weeks ago     Exited (2) 2 weeks ago           arqsw2-hotels
c733cab165c1   proyectorarqsw2-arqsw2-search2     "/search2/search2"      3 weeks ago     Exited (2) 2 weeks ago           arqsw2-search2
c9ed34333d24   proyectorarqsw2-arqsw2-uba         "/uba/uba"              3 weeks ago     Exited (2) 2 weeks ago           arqsw2-uba
24f1964de718   solr:latest                         "docker-entrypoint.s..." 3 weeks ago     Exited (143) 2 weeks ago          my-solr
88eb66a49dcb   proyectorarqsw2-arqsw2-db          "docker-entrypoint.s..." 3 weeks ago     Exited (0) 2 weeks ago           arqsw2-db
b0c481951664   rabbitmq:3-management              "docker-entrypoint.s..." 3 weeks ago     Exited (0) 2 weeks ago           rabbitmq
2117b5d37a19   mongo                              "docker-entrypoint.s..." 3 weeks ago     Exited (0) 2 weeks ago           mongo
29db02d79afe   memcached:1.6.16                  "docker-entrypoint.s..." 3 weeks ago     Exited (0) 12 minutes ago        memcached
b1a5624b9c07   arqswlv2-frontend                  "docker-entrypoint.s..." 8 months ago    Exited (1) 8 months ago          arqswlv2-frontend-1

```

Levantar contenedor de la API

```
PS C:\Users\admin\Desktop\IGNACIO UCC\4 Cuarto año\Ing Sw III\Practico\ingSw3> cd tp2
PS C:\Users\admin\Desktop\IGNACIO UCC\4 Cuarto año\Ing Sw III\Practico\ingSw3\tp2> cd SimpleWebAPI
PS C:\Users\admin\Desktop\IGNACIO UCC\4 Cuarto año\Ing Sw III\Practico\ingSw3\tp2\SimpleWebAPI> docker build -t mywebapi .
[+] Building 107.5s (5/17)
=> [internal] load build definition from Dockerfile
=> transferring dockerfile: 810B
=> [internal] load .dockerignore
=> transferring context: 2B
=> [internal] load metadata for mcr.microsoft.com/dotnet/sdk:7.0
=> [internal] load metadata for mcr.microsoft.com/dotnet/aspnet:7.0
=> [base 1/2] FROM mcr.microsoft.com/dotnet/aspnet:7.0@sha256:c7d9ee6cd01afe9aa80642e577c7cec9f5d87f88e5d70bd36fd61072079bc55b
=> sha256:82bb7a80de578404d92b5ae5e67f3de90eab30027694d2609be35ad25b09e3bc 14.97MB / 14.97MB
=> sha256:c7d9ee6cd01afe9aa80642e577c7cec9f5d87f88e5d70bd36fd61072079bc55b 1.79kB / 1.79kB
=> sha256:8a7717ff21c245feacd25dae5ff23306aae0e058578725ad987fd4b8509c36ec 1.37kB / 1.37kB
=> sha256:ec861be017681c5da7a762bd29eb07b4acd2391a9fa5ca9150ad6e5554c0506c 2.34kB / 2.34kB
=> sha256:728328ac3bde9b85225b1f0d60f5c149f5635a191f5d8eae0e095d36ef9fd 31.43MB / 31.43MB
=> sha256:f1b39e168c1c776458e172f157167607b9fd3cc550af8e6ff0a7dd363c1e64ea 153B / 153B
=> sha256:f194078e85f8008c084163778aaf266434f7182e0d4f783646f41b388c88a13a 10.12MB / 10.12MB
=> extracting sha256:728328ac3bde9b85225b1f0d60f5c149f5635a191f5d8eae0e095d36ef9fd
=> extracting sha256:82bb7a80de578404d92b5ae5e67f3de90eab30027694d2609be35ad25b09e3bc
=> [build 1/7] FROM mcr.microsoft.com/dotnet/sdk:7.0@sha256:d32bd65cf5843f413e81f5d917057c82da99737cb1637e905a1a4bc2e7ec6c8d
=> resolve mcr.microsoft.com/dotnet/sdk:7.0@sha256:d32bd65cf5843f413e81f5d917057c82da99737cb1637e905a1a4bc2e7ec6c8d
=> sha256:d32bd65cf5843f413e81f5d917057c82da99737cb1637e905a1a4bc2e7ec6c8d 1.79kB / 1.79kB
=> sha256:a291948a5e5ceb50e3eaa75cb1e6377660146b38e475938d6855e220faaeed 2.01kB / 2.01kB
=> sha256:e44f5ee20952a885a89566fc35cf3295b3228375b715a0f1af9e5a3c0c2eebf 5.29kB / 5.29kB
=> sha256:82bb7a80de578404d92b5ae5e67f3de90eab30027694d2609be35ad25b09e3bc 14.97MB / 14.97MB
=> sha256:728328ac3bde9b85225b1f0d60f5c149f5635a191f5d8eae0e095d36ef9fd 31.43MB / 31.43MB
=> sha256:534ba947de6ac79fd6168f4a93847954b23bab782700bbffff7f31e61a03e8d4 22.02MB / 32.46MB
=> sha256:f1b39e168c1c776458e172f157167607b9fd3cc550af8e6ff0a7dd363c1e64ea 153B / 153B
=> sha256:f194078e85f8008c084163778aaf266434f7182e0d4f783646f41b388c88a13a 10.12MB / 10.12MB
=> extracting sha256:728328ac3bde9b85225b1f0d60f5c149f5635a191f5d8eae0e095d36ef9fd
=> sha256:22689bb63f95af71c80079742ff0afa570fa6cfc30ecfa7873976898029a24d 23.07MB / 25.37MB
=> extracting sha256:82bb7a80de578404d92b5ae5e67f3de90eab30027694d2609be35ad25b09e3bc
=> sha256:5e263829ce76bc29ff631384bd5e93356d28625461ca507fad46c4ac549fb4 6.29MB / 180.57MB
=> [internal] load build context
=> transferring context: 83.88kB
```

```
PS C:\Users\admin\Desktop\IGNACIO UCC\4 Cuarto año\Ing Sw III\Practico\ingSw3\tp2\SimpleWebAPI> docker run --name myapi -d -p 80:80 mywebapi
770f2b4266fc726ff3795038b734760b4d7fddf5e7a0707cfa46b4b9e86557b3
```



```
PS C:\Users\admin\Desktop\IGNACIO UCC\4 Cuarto año\Ing Sw III\Practico\ingSw3> docker login
Log in with your Docker ID or email address to push and pull images from Docker Hub. If you don't have a Docker ID, head over to https://hub.docker.com/ to create one.
You can log in with your password or a Personal Access Token (PAT). Using a limited-scope PAT grants better security and is required for organizations using SSO. Learn more at https://docs.docker.com/go/access-tokens/

Username: ignafranciosi
Password:
Login Succeeded
PS C:\Users\admin\Desktop\IGNACIO UCC\4 Cuarto año\Ing Sw III\Practico\ingSw3> 
```

Subirlo a DockerHub


```
PS C:\Users\admin\Desktop\IGNACIO UCC\4 Cuarto año\Ing Sw III\Practico\ingSw3\tp2\simplewebapi> docker login
Authenticating with existing credentials...
Login Succeeded
PS C:\Users\admin\Desktop\IGNACIO UCC\4 Cuarto año\Ing Sw III\Practico\ingSw3\tp2\simplewebapi> docker tag mywebapi ignafranciosi/mywebapi:tag
PS C:\Users\admin\Desktop\IGNACIO UCC\4 Cuarto año\Ing Sw III\Practico\ingSw3\tp2\simplewebapi> docker push ignafranciosi/mywebapi:tag
The push refers to repository [docker.io/ignafranciosi/mywebapi]
0181199a1ed0: Pushed
5f70bf18a086: Mounted from library/solr
f7ece015bba7: Pushed
270f7fde987a: Pushed
4d29f6e29d10: Pushed
b4ec6db9c251: Pushing [=====>] 42.36MB/73.26MB
ba941484fba1: Pushed
123eef91533f: Pushing [=====>] 52.69MB/80.66MB

```

Volumenes

```
PS C:\Users\admin\Desktop\IGNACIO UCC\4 Cuarto año\Ing Sw III\Practico\ingSw3\tp2\simplewebapi> docker run -it --rm -p 80:80 -v C:\Users\admin\temp\:/var/tmp mywebapi
info: Microsoft.Hosting.Lifetime[14]
Now listening on: http://[::]:80
info: Microsoft.Hosting.Lifetime[0]
Application started. Press Ctrl+C to shut down.
info: Microsoft.Hosting.Lifetime[0]
Hosting environment: Production
info: Microsoft.Hosting.Lifetime[0]
Content root path: /app

```



elated_payne

mywebapi

37b0cc942616

80:80

Logs

Inspect

Bind mounts

Exec

Files

Stats

```
# ls -l /var/tmp
total 0
# touch /var/tmp/hola.txt
# 
```

elated_payne

mywebapi

37b0cc942616

80:80

STATUS

Running (3 minutes ago)

Logs

Inspect

Bind mounts

Exec

Files

Stats

Open file editor

Name	Note	Size	Last modified	Mode
local			7 months ago	dgrwxrwxr-x
lock -> /run/lock		9 Bytes	3 months ago	Lrwxrwxrwx
log			3 months ago	drwxr-xr-x
mail			3 months ago	dgrwxrwxr-x
opt			3 months ago	drwxr-xr-x
run -> /run		4 Bytes	3 months ago	Lrwxrwxrwx
spool			3 months ago	drwxr-xr-x
temp	MOUNT		33 seconds ago	drwxrwxrwx
hola.txt	MOUNT	0 Bytes	33 seconds ago	-rw-r--r--
tmp			7 months ago	dtrwxrwxrwx

RAM 3.33 GB

CPU 0.00%

Signed in

v4.25.1

4

Base de datos Postgres

```
PS C:\Users\admin\Desktop\IGNACIO UCC\4 Cuarto año\Ing Sw III\Practico\ingSw3\tp2\simplewebapi> mkdir $HOME/.postgres
>>
>> docker run --name my-postgres -e POSTGRES_PASSWORD=mysecretpassword -v $HOME/.postgres:/var/lib/postgresql/data -p 5432:5432 -d postgres:9.4

Directorio: C:\Users\admin

Mode                LastWriteTime         Length Name
----                -
d-----          13/8/2024   15:59             .postgres
Unable to find image 'postgres:9.4' locally
9.4: Pulling from library/postgres
619014d83c02: Pull complete
7ec0fe6664f6: Pull complete
9ca7ba8f7764: Pull complete
9e1155d037e2: Pull complete
febcbf7f8870: Pull complete
8c78c79412b5: Pull complete
5a35744405c5: Pull complete
27717922e067: Pull complete
36f0c5255550: Pull complete
dbf0a396f422: Pull complete
ec4c06ea33e5: Pull complete
e8dd33eba6d1: Pull complete
51c81b3b2c20: Pull complete
2a03dd76f5d7: Pull complete
Digest: sha256:42a7a6a647a602efa9592edd1f56359800d079b93fa52c5d92244c58ac4a2ab9
Status: Downloaded newer image for postgres:9.4
6503c04d29b995358beef760b3eb36f3d60bab7743b96ddef85a7713689429c9

PS C:\Users\admin\Desktop\IGNACIO UCC\4 Cuarto año\Ing Sw III\Practico\ingSw3\tp2\simplewebapi>
```



```

postgres=# create database test;
ERROR:  syntax error at or near "#"
LINE 1: #Estos comandos se corren una vez conectados a la base
      ^

postgres=# \connect test
FATAL:  database "test" does not exist
Previous connection kept
postgres=# create table tabla_a (mensaje varchar(50));
CREATE TABLE
postgres=# insert into tabla_a (mensaje) values('Hola mundo!');
INSERT 0 1
postgres=# select * from tabla_a;
   mensaje
-----
 Hola mundo!
(1 row)

postgres=#
postgres=# \q
# #

```

Levantar BD MySQL

Imagen:

```

PS C:\Users\admin\Desktop\IGNACIO UCC\4 Cuarto año\Ing Sw III\Practico\ingSw3\tp2\simplewebapi> docker pull mcr.microsoft.com/mssql/server:2022-latest
2022-latest: Pulling from mssql/server
e7945123d2a2: Already exists
18a53d1b3bd7: Pull complete
d2a9a15297bf: Pull complete
Digest: sha256:c1aa8afe9b06eab64c9774a4802dcd032205d1be785b1fd51e1c0151e7586b74
Status: Downloaded newer image for mcr.microsoft.com/mssql/server:2022-latest
mcr.microsoft.com/mssql/server:2022-latest

What's Next?
  View a summary of image vulnerabilities and recommendations → docker scout quickview mcr.microsoft.com/mssql/server:2022-latest
PS C:\Users\admin\Desktop\IGNACIO UCC\4 Cuarto año\Ing Sw III\Practico\ingSw3\tp2\simplewebapi>

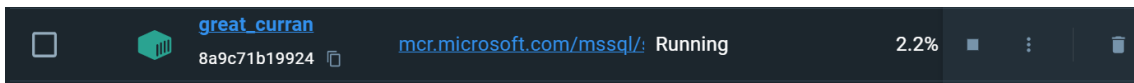
```

Container:

```

PS C:\Users\admin\Desktop\IGNACIO UCC\4 Cuarto año\Ing Sw III\Practico\ingSw3\tp2\simplewebapi> docker run -e "ACCEPT_EULA=Y" -e "SA_PASSWORD=Igna1234" -p 15000:1433 -d mcr.microsoft.com/mssql/server:2022-latest
8a9c71b1992435aaa48f927635383f5f7b3cb46de240066dc96b00200deb9de2
PS C:\Users\admin\Desktop\IGNACIO UCC\4 Cuarto año\Ing Sw III\Practico\ingSw3\tp2\simplewebapi>

```



Consultas:

```

PS C:\Users\admin\Desktop\IGNACIO UCC\4 Cuarto año\Ing Sw III\Practico\ingSw3\tp2\simplewebapi> docker exec -it great_curran /opt/mssql-tools18/bin/sqlcmd -S localhost -U SA -P 'Igna1234' -C
1> CREATE DATABASE test;
2> GO
1> USE test;
2> GO
Changed database context to 'test'.
1> CREATE TABLE TablaA (ID INT PRIMARY KEY);
2> GO
1> INSERT INTO TablaA (ID) VALUES (1);
2> GO
(1 rows affected)
1> SELECT * FROM TablaA;
2> GO
ID
-----
 1
(1 rows affected)
1>

```