

1)

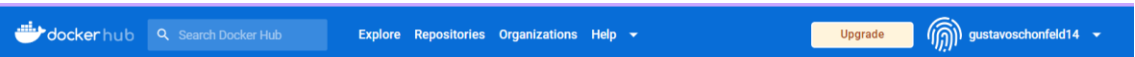
```
C:\Users\gusta>docker version
Client:
 Cloud integration: v1.0.35-desktop+001
 Version:          24.0.5
 API version:      1.43
 Go version:       go1.20.6
 Git commit:       ced0996
 Built:            Fri Jul 21 20:36:24 2023
 OS/Arch:          windows/amd64
 Context:          default

Server: Docker Desktop 4.22.0 (117440)
Engine:
 Version:          24.0.5
 API version:      1.43 (minimum version 1.12)
 Go version:       go1.20.6
 Git commit:       a61e2b4
 Built:            Fri Jul 21 20:35:45 2023
 OS/Arch:          linux/amd64
 Experimental:     false
containerd:
 Version:          1.6.21
 GitCommit:        3dce8eb055cbb6872793272b4f20ed16117344f8
runc:
 Version:          1.1.7
 GitCommit:        v1.1.7-0-g860f061
docker-init:
 Version:          0.19.0
 GitCommit:        de40ad0

C:\Users\gusta>
```

2)

3)



```
C:\Users\gusta>docker pull busybox
Using default tag: latest
latest: Pulling from library/busybox
3f4d90098f5b: Pull complete
Digest: sha256:3fbc632167424a6d997e74f52b878d7cc478225cffac6bc977eedfe51c7f4e79
Status: Downloaded newer image for busybox:latest
docker.io/library/busybox:latest

What's Next?
View summary of image vulnerabilities and recommendations → docker scout quickview busybox
```

```
C:\Users\gusta>docker images
```

REPOSITORY	TAG	IMAGE ID	CREATED	SIZE
574724194177.dkr.ecr.us-east-1.amazonaws.com/api-blockchain	latest	ea9b5a5834be	3 weeks ago	1.11GB
api-blockchain	latest	ea9b5a5834be	3 weeks ago	1.11GB
574724194177.dkr.ecr.us-east-1.amazonaws.com/api-blockchain	<none>	6e33ec0c0abc	3 weeks ago	1.11GB
api_blockchain_wrapper-api	latest	16da659ca18b	3 weeks ago	1.11GB
mongo	latest	9576663f05bb	5 weeks ago	736MB
busybox	latest	a416a98b71e2	2 months ago	4.26MB
couchdb	3.2.2	377c85d13047	6 months ago	200MB
hyperledger/fabric-tools	2.4.7	545af418d284	11 months ago	489MB
hyperledger/fabric-peer	2.4.7	d77dd7cfbcd7	11 months ago	64.2MB
hyperledger/fabric-orderer	2.4.7	77c489caa81b	11 months ago	36.7MB
hyperledger/fabric-ca	1.5.5	93f19fa873cb	15 months ago	76.5MB











4)

		<a href="#">busybox</a>	Exited	N/A	6 seconds ago			
--	--	-------------------------	--------	-----	---------------	--	--	--

El comando `docker run busybox` simplemente inicia y detiene el contenedor Busybox sin realizar ninguna acción visible por defecto. Para obtener un resultado visible, debes proporcionar un comando que el contenedor ejecute.

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

```
C:\Users\gusta>docker ps
```

CONTAINER ID	IMAGE	COMMAND	CREATED	STATUS	PORTS	NAMES
  eloquent_pro:ccab9a00793f <a href="#">busybox</a>	Exited	N/A	9 minutes ago	  		
  lucid_allen:1ef537507f9b <a href="#">busybox</a>	Exited	N/A	1 minute ago	  		

```
C:\Users\gusta>docker ps -a
```

CONTAINER ID	IMAGE	COMMAND	CREATED	STATUS
PORTS	NAMES			
1ef537507f9b	busybox	"echo 'Hola Mundo'"	2 minutes ago	Exited (0) 30 seconds ago
	lucid_allen			
ccab9a00793f	busybox	"sh"	10 minutes ago	Exited (0) 8 minutes ago
	eloquent_proskuriakova			
553c4fe49915	api_blockchain_wrapper-api	"docker-entrypoint.s..."	3 weeks ago	Exited (1) 3 weeks ago
	api_blockchain_wrapper-api-1			
5d3ee401dd78	mongo:latest	"docker-entrypoint.s..."	3 weeks ago	Exited (0) 3 weeks ago
	api_blockchain_wrapper-mongodb-1			
5166fb1eaba9	hyperledger/fabric-peer:2.4.7	"peer node start --p..."	5 weeks ago	Exited (0) 4 weeks ago
	peer0.org1.debugger.com			
a1352db59eb9	hyperledger/fabric-orderer:2.4.7	"orderer"	5 weeks ago	Exited (0) 4 weeks ago
	orderer.debugger.com			
9a7fa41bb632	couchdb:3.2.2	"tini -- /docker-ent..."	5 weeks ago	Exited (0) 4 weeks ago
	debug-couchdb1			
62b127d784dd	hyperledger/fabric-tools:2.4.7	"/bin/bash -c 'confi..."	5 weeks ago	Exited (137) 4 weeks ago
	debug-cli			
2dbbf3c3abaa	hyperledger/fabric-ca:1.5.5	"sh -c 'fabric-ca-se..."	5 weeks ago	Exited (2) 4 weeks ago
	ca.org1.debugger.com			

La salida del comando `docker ps -a` muestra la información sobre todos los contenedores, incluyendo su estado actual y el código de salida. En tu caso, la mayoría de los contenedores se han detenido con éxito (código de salida 0) o han tenido errores específicos (código de salida distinto de 0) en su ejecución.









5)

```
C:\Users\gusta>docker run -it busybox sh
/ # ps
PID   USER     TIME   COMMAND
    1  root      0:00   sh
    8  root      0:00   ps
/ # uptime
 19:56:07 up 39 min,  0 users,  load average: 0.00, 0.00, 0.00
/ # free
              total        used        free      shared  buff/cache   available
Mem:           5005816       828828       3778672          1692       398316       3959352
Swap:          2097152           0       2097152
/ # ls -l
total 40
drwxr-xr-x  2 root    root          12288 Jul 17 18:30 bin
drwxr-xr-x  5 root    root           360 Oct 14 19:55 dev
drwxr-xr-x  1 root    root          4096 Oct 14 19:55 etc
drwxr-xr-x  2 nobody nobody        4096 Jul 17 18:30 home
drwxr-xr-x  2 root    root          4096 Jul 17 18:30 lib
lrwxrwxrwx  1 root    root           3 Jul 17 18:30 lib64 -> lib
dr-xr-xr-x 242 root    root           0 Oct 14 19:55 proc
drwx----- 1 root    root          4096 Oct 14 19:56 root
dr-xr-xr-x 11 root    root           0 Oct 14 19:55 sys
drwxrwxrwt  2 root    root          4096 Jul 17 18:30 tmp
drwxr-xr-x  4 root    root          4096 Jul 17 18:30 usr
drwxr-xr-x  4 root    root          4096 Jul 17 18:30 var
/ # exit
```

6)

```
C:\Users\gusta>docker ps -a
CONTAINER ID   IMAGE      COMMAND                  CREATED        STATUS        PORTS
sad_cartwright busybox    "sh"                    2 hours ago   Exited (0) 2 hours ago
1ef537507f9b   busybox    "echo 'Hola Mundo'"    2 hours ago   Exited (0) 2 hours ago
lucid_allen    busybox    "sh"                    2 hours ago   Exited (0) 2 hours ago
ccab9a00793f   eloquent_proskuriakova
api_blockchain_wrapper-api-1
553c4fe49915   api_blockchain_wrapper-api-1
5d3ee401dd78   mongo:latest
api_blockchain_wrapper-mongodb-1
5166fb1eaba9   hyperledger/fabric-peer:2.4.7
peer0.org1.debugger.com
a1352db59eb9   hyperledger/fabric-orderer:2.4.7
orderer.debugger.com
9a7fa41bb632   couchdb:3.2.2
debug-couchdb1
62b127d784dd   hyperledger/fabric-tools:2.4.7
debug-cli
2dbbf3c3abaa   hyperledger/fabric-ca:1.5.5
ca.org1.debugger.com
```









```
C:\Users\gusta>docker rm lucid_allen
lucid_allen
```

<input type="checkbox"/>		<a href="#">eloquent_proskuriakova</a>	<a href="#">busybox</a>	Exited	N/A	2 hours			
<input type="checkbox"/>		<a href="#">sad_cartwright</a>	<a href="#">busybox</a>	Exited	N/A	2 hours			

```
C:\Users\gusta>docker rm sad_cartwright
sad_cartwright
```

```
C:\Users\gusta>rm eloquent_proskuriakova
"rm" no se reconoce como un comando interno o externo,
programa o archivo por lotes ejecutable.
```

```
C:\Users\gusta>docker rm eloquent_proskuriakova
eloquent_proskuriakova
```

<input type="checkbox"/>	Name	Image	Status	CPU (%)	Port(s)	Last	Actions
<input type="checkbox"/>	>  <a href="#">api_blockchain_wrapper</a>		Exited	N/A		27 d	  
<input type="checkbox"/>	>  <a href="#">fabric-singleorg</a>		Exited	N/A		1 mo	  

7)

```
PS C:\Users\gusta\OneDrive\Escritorio\UCC\Cuarto Año\IngenieriaSoftware 3\RepoTP> git clone https://github.com/ingsoft3u/cc/SimpleWebAPI.git
Cloning into 'SimpleWebAPI'...
remote: Enumerating objects: 150, done.
remote: Counting objects: 100% (150/150), done.
remote: Compressing objects: 100% (115/115), done.
Receiving objects: 36% (54/150)used 33 (delta 9), pack-reused 0
Receiving objects: 100% (150/150), 28.41 KiB | 2.37 MiB/s, done.
Resolving deltas: 100% (60/60), done.
PS C:\Users\gusta\OneDrive\Escritorio\UCC\Cuarto Año\IngenieriaSoftware 3\RepoTP>

PS C:\Users\gusta\OneDrive\Escritorio\UCC\Cuarto Año\IngenieriaSoftware 3\RepoTP\SimpleWebAPI> docker build -t mywebapi .
[+] Building 46.3s (18/18) FINISHED
                                docker:default
=> [internal] load .dockerignore                                0.0s
=> => transferring context: 2B                                  0.0s
=> [internal] load build definition from Dockerfile            0.1s
=> => transferring dockerfile: 810B                             0.0s
=> [internal] load metadata for mcr.microsoft.com/dotnet/aspnet:7.0    1.9s
=> [internal] load metadata for mcr.microsoft.com/dotnet/sdk:7.0      1.9s
=> [build 1/7] FROM mcr.microsoft.com/dotnet/sdk:7.0@sha256:d0755fbf1ed34aecd79c127fd1dd01b80587acdb8ff50e5a68d1adfb8b076922b 28.9s
=> => resolve mcr.microsoft.com/dotnet/sdk:7.0@sha256:d0755fbf1ed34aecd79c127fd1dd01b80587acdb8ff50e5a68d1adfb8b076922b 0.0s
=> => sha256:d0755fbf1ed34aecd79c127fd1dd01b80587acdb8ff50e5a68d1adfb8b076922b 1.79kB / 1.79kB      0.0s
=> => sha256:bd36eac352dbb2d27a63f4714b9063fc8c7e9c615e430006dbeb7e3448cd5780 5.28kB / 5.28kB      0.0s
=> => sha256:14ccddebb1bc93dd113768cf39770236e66888c5d08fc5a554d2e47a0fe930e 32.46MB / 32.46MB      4.8s
=> => sha256:fbf7eed1efcc4cd2571e40f0c34949a09474f4a96594b0501b4e24b7f0767bcb 2.01kB / 2.01kB      0.0s
=> => sha256:e67fdae3559346105027c63e7fb032bba57e62b1fe9f2da23e6dfd56384e00b 31.42MB / 31.42MB      6.7s
=> => sha256:0ab66724116f089079aab4d1403ce98586595f13ca4b4163005ec3733a5dab94 14.97MB / 14.97MB      1.4s
=> => sha256:5e265b51b431d80b30bfff2e2f867af78d559418b418ea7b3edffaeadd221b244 156B / 156B          1.7s
=> => sha256:3bda6efdfc5b92b1a9760092efa9eb1a4f50a0374789af843c6842acaf848b8f 10.12MB / 10.12MB      3.1s
=> => sha256:9a6d473c86f69f795e0ff2b6014ed32f2c9b35e743068b430a4adf1c1448176b 25.38MB / 25.38MB      6.4s
=> => sha256:5464f27bea88b4d6d19d0c0e15a62a967f65d74b9753611d0a174526bc08b1da 180.99MB / 180.99MB    16.9s
=> => sha256:3cc0e9253374a2ce8dd07c45550ebb8a207cc9898aa397219369e970962f7ab6 13.98MB / 13.98MB      8.4s
=> => extracting sha256:e67fdae3559346105027c63e7fb032bba57e62b1fe9f2da23e6dfd56384e00b 6.6s
=> => extracting sha256:0ab66724116f089079aab4d1403ce98586595f13ca4b4163005ec3733a5dab94 1.1s
=> => extracting sha256:14ccddebb1bc93dd113768cf39770236e66888c5d08fc5a554d2e47a0fe930e 1.7s
=> => extracting sha256:5e265b51b431d80b30bfff2e2f867af78d559418b418ea7b3edffaeadd221b244 0.0s
=> => extracting sha256:3bda6efdfc5b92b1a9760092efa9eb1a4f50a0374789af843c6842acaf848b8f 0.3s
=> => extracting sha256:9a6d473c86f69f795e0ff2b6014ed32f2c9b35e743068b430a4adf1c1448176b 2.2s
=> => extracting sha256:5464f27bea88b4d6d19d0c0e15a62a967f65d74b9753611d0a174526bc08b1da 8.5s
=> => extracting sha256:3cc0e9253374a2ce8dd07c45550ebb8a207cc9898aa397219369e970962f7ab6 0.8s
=> [base 1/2] FROM mcr.microsoft.com/dotnet/aspnet:7.0@sha256:77ea66eb200fa06d2929cc937b75724bb2f5cdcf2bcf6dc6aaaf0851b 17.3s
=> => resolve mcr.microsoft.com/dotnet/aspnet:7.0@sha256:77ea66eb200fa06d2929cc937b75724bb2f5cdcf2bcf6dc6aaaf0851b 0.0s
=> => sha256:77ea66eb200fa06d2929cc937b75724bb2f5cdcf2bcf6dc6aaaf0851b 1.79kB / 1.79kB      0.0s
=> => sha256:4cecef0b3ad7531c38b0915ad8f4e297a888d8260634162f899e7bc83725e2ef 1.37kB / 1.37kB      0.0s
=> => sha256:b06452c8ee916a8c0a9863aad05f86b728ec72a1e43bcbfdb8e7bd304953285a1 2.36kB / 2.36kB      0.0s
=> => sha256:e67fdae3559346105027c63e7fb032bba57e62b1fe9f2da23e6dfd56384e00b 31.42MB / 31.42MB      6.7s
=> => sha256:0ab66724116f089079aab4d1403ce98586595f13ca4b4163005ec3733a5dab94 14.97MB / 14.97MB      1.4s
=> => sha256:14ccddebb1bc93dd113768cf39770236e66888c5d08fc5a554d2e47a0fe930e 32.46MB / 32.46MB      4.8s
=> => sha256:5e265b51b431d80b30bfff2e2f867af78d559418b418ea7b3edffaeadd221b244 156B / 156B          1.7s
=> => sha256:3bda6efdfc5b92b1a9760092efa9eb1a4f50a0374789af843c6842acaf848b8f 10.12MB / 10.12MB      3.1s
=> => extracting sha256:e67fdae3559346105027c63e7fb032bba57e62b1fe9f2da23e6dfd56384e00b 37.5s
=> => extracting sha256:0ab66724116f089079aab4d1403ce98586595f13ca4b4163005ec3733a5dab94 30.7s
=> => extracting sha256:14ccddebb1bc93dd113768cf39770236e66888c5d08fc5a554d2e47a0fe930e 29.5s
=> => extracting sha256:5e265b51b431d80b30bfff2e2f867af78d559418b418ea7b3edffaeadd221b244 0.0s
=> => extracting sha256:3bda6efdfc5b92b1a9760092efa9eb1a4f50a0374789af843c6842acaf848b8f 27.5s
=> [internal] load build context
=> => transferring context: 80.75kB 0.2s
=> [base 2/2] WORKDIR /app 0.1s
=> [final 1/2] WORKDIR /app 0.6s
=> [build 2/7] WORKDIR /src 0.1s
=> [build 3/7] COPY [SimpleWebAPI/SimpleWebAPI.csproj, SimpleWebAPI/] 0.4s
=> [build 4/7] RUN dotnet restore "SimpleWebAPI/SimpleWebAPI.csproj" 0.0s
=> [build 5/7] COPY . . 5.3s
=> [build 6/7] WORKDIR /src/SimpleWebAPI 0.0s
=> [build 7/7] RUN dotnet build "SimpleWebAPI.csproj" -c Release -o /app/build 0.0s
=> [publish 1/1] RUN dotnet publish "SimpleWebAPI.csproj" -c Release -o /app/publish /p:UseAppHost=false 6.2s
=> [final 2/2] COPY --from=publish /app/publish . 3.1s
=> exporting to image 0.1s
=> => exporting layers 0.1s
=> => writing image sha256:0e2220566b7d8160f0f28a101a2697c70ac453e1e1907c006b3ce82c0f0c5417 0.0s
=> => naming to docker.io/library/mywebapi 0.0s

What's Next?
```

```

C:\Users\gusta> OneDrive\Escritorio\UCC\Cuarto Año\IngenieriaSoftware 3\RepoTP\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

```

- From: Define la imagen base a utilizar para esta etapa de la construcción.
- Workdir: Establece el directorio de trabajo dentro del contenedor.
- Expose: Indica los puertos en los que la aplicación escuchará dentro del contenedor. La aplicación se configurará para escuchar en los puertos 80, 443 y 5254.

Se utiliza una imagen SDK de .NET 7.0 para compilar la aplicación.

- Workdir: Establece el directorio de trabajo en /src.
- Copy: Copia el archivo de proyecto (SimpleWebAPI.csproj) al directorio del proyecto.
- Run: Ejecuta dotnet restore para restaurar las dependencias, copia el código fuente y compila la aplicación en la carpeta /app/build.

Se utiliza la imagen anteriormente construida (build) para publicar la aplicación en la carpeta /app/publish. /p:UseAppHost=false indica que no se debe utilizar un archivo de host de la aplicación.





Se utiliza la imagen “base” como base para la imagen final.

- Workdir: Establece el directorio de trabajo en /app.
- Copy: Copia los archivos publicados desde la etapa de publicación a la carpeta de trabajo en el contenedor.
- Entrypoint: Define el comando que se ejecutará cuando se inicie el contenedor.

```

PS C:\Users\gusta\OneDrive\Escritorio\UCC\Cuarto Año\IngenieriaSoftware 3\RepoTP\SimpleWebAPI> docker images
REPOSITORY                                TAG                IMAGE ID           CREATED            SIZE
mywebapi                                  latest             0e2220566b7d      22 minutes ago    216MB
574724194177.dkr.ecr.us-east-1.amazonaws.com/api-blockchain latest             ea9b5a5834be      3 weeks ago       1.11GB
api-blockchain                           latest             ea9b5a5834be      3 weeks ago       1.11GB
574724194177.dkr.ecr.us-east-1.amazonaws.com/api-blockchain <none>             6e33ec0c0abc      3 weeks ago       1.11GB
api_blockchain_wrapper-api               latest             16da659ca18b      3 weeks ago       1.11GB
mongo                                     latest             9576663f05bb      5 weeks ago       736MB
busybox                                   latest             a416a98b71e2      2 months ago      4.26MB
couchdb                                   3.2.2              377c85d13047      6 months ago      200MB
hyperledger/fabric-tools                  2.4.7              545af418d284      11 months ago     489MB
hyperledger/fabric-peer                    2.4.7              d77dd7cfbcd7      11 months ago     64.2MB
hyperledger/fabric-orderer                 2.4.7              77c489caa81b      11 months ago     36.7MB
hyperledger/fabric-ca                       1.5.5              93f19fa873cb      15 months ago     76.5MB
PS C:\Users\gusta\OneDrive\Escritorio\UCC\Cuarto Año\IngenieriaSoftware 3\RepoTP\SimpleWebAPI> docker run -d -p 80:80 mywebapi
ecc5f9949649c8176714e9e74c1e10c1a822ddb95ab26e2079fd81ba4666d8a0

```

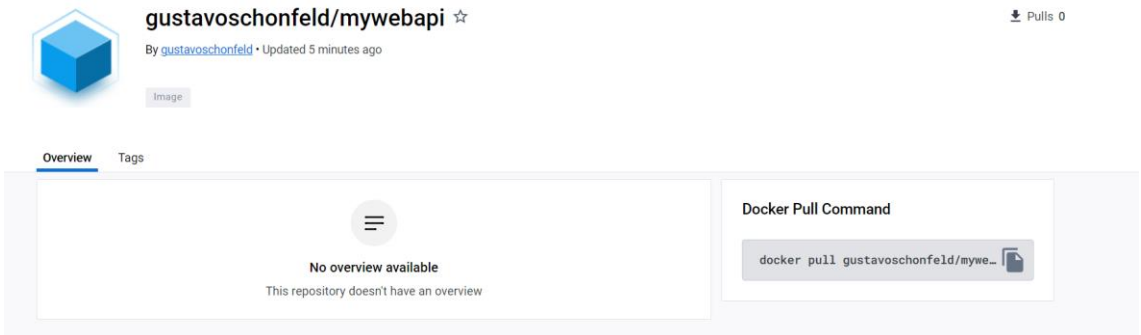
Name	Image	Status	CPU (%)	Port(s)	Last	Actions
 boring_leakey ecc5f9949649	mywebapi	Running	0.08%	80:80	12 st	  

```

PS C:\Users\gusta\OneDrive\Escritorio\UCC\Cuarto Año\IngenieriaSoftware 3\RepoTP\SimpleWebAPI> docker login
Authenticating with existing credentials...
Login Succeeded

```

```
PS C:\Users\gusta\OneDrive\Escritorio\UCC\Cuarto Año\IngenieriaSoftware 3\RepoTP\SimpleWebAPI> docker tag mywebapi gustavoschonfeld/mywebapi:1.0
PS C:\Users\gusta\OneDrive\Escritorio\UCC\Cuarto Año\IngenieriaSoftware 3\RepoTP\SimpleWebAPI> docker push gustavoschonfeld/mywebapi:1.0
The push refers to repository [docker.io/gustavoschonfeld/mywebapi]
1fdb34074fdf: Pushed
5f70bf18a086: Pushed
1059188cf5a9: Pushed
60d2e88f8a9a: Pushed
94709d31a668: Pushed
5056c4c3c1c6: Pushed
9a822c647cc9: Pushed
633f5bf471f7: Pushed
1.0: digest: sha256:cb68eb54189a0f52f088fa3cc07e608613c064cd26b7942c610803afd0e23096 size: 1996
PS C:\Users\gusta\OneDrive\Escritorio\UCC\Cuarto Año\IngenieriaSoftware 3\RepoTP\SimpleWebAPI>
```



8)

```
PS C:\Users\gusta\OneDrive\Escritorio\UCC\Cuarto Año\IngenieriaSoftware 3\RepoTP\SimpleWebAPI> docker run --name myapi -d mywebapi
7584e7434a98a4db664bad4f118c3f8e62e040664d01c387ea7b7c2aad07c0e0
PS C:\Users\gusta\OneDrive\Escritorio\UCC\Cuarto Año\IngenieriaSoftware 3\RepoTP\SimpleWebAPI> docker kill myapi
myapi
PS C:\Users\gusta\OneDrive\Escritorio\UCC\Cuarto Año\IngenieriaSoftware 3\RepoTP\SimpleWebAPI> docker rm myapi
myapi
PS C:\Users\gusta\OneDrive\Escritorio\UCC\Cuarto Año\IngenieriaSoftware 3\RepoTP\SimpleWebAPI> docker run --name myapi -d -p 80:80 -p 5254:5254 mywebapi
75885cb9fdd6183714253e815ec8d73ace9c36cea98a2a733898c5ce3d3b622c
```

9)

```
20 FROM base AS final
21 WORKDIR /app
22 COPY --from=publish /app/publish .
23 #ENTRYPOINT ["dotnet", "SimpleWebAPI.dll"]
24 CMD ["/bin/bash"]
25
```

```
PS C:\Users\gusta\OneDrive\Escritorio\UCC\Cuarto Año\IngenieriaSoftware 3\RepoTP\SimpleWebAPI> docker build -t mywebapi .
[+] Building 1.1s (18/18) FINISHED
=> [internal] load .dockerignore
=> transferring context: 2B
=> [internal] load build definition from Dockerfile
=> transferring dockerfile: 812B
=> [internal] load metadata for mcr.microsoft.com/dotnet/sdk:7.0
=> [internal] load metadata for mcr.microsoft.com/dotnet/aspnet:7.0
=> [build 1/7] FROM mcr.microsoft.com/dotnet/sdk:7.0@sha256:d0755f1ed34aec79c127fd1dd81b88587acdb04ff50e5a8d1adf8b876922b
=> [base 1/2] FROM mcr.microsoft.com/dotnet/aspnet:7.0@sha256:77ea66eb200fa06d2929cc937b75724bb2f5cdf2bcfd6c6aaf0851bb75bb631f
=> [internal] load build context
=> transferring context: 2.72kB
=> CACHED [base 2/2] WORKDIR /app
=> CACHED [final 1/2] WORKDIR /app
=> CACHED [build 2/7] WORKDIR /src
=> CACHED [build 3/7] COPY [SimpleWebAPI\SimpleWebAPI.csproj, SimpleWebAPI/]
=> CACHED [build 4/7] RUN dotnet restore "SimpleWebAPI\SimpleWebAPI.csproj"
=> CACHED [build 5/7] COPY
=> CACHED [build 6/7] WORKDIR /src/SimpleWebAPI
=> CACHED [build 7/7] RUN dotnet build "SimpleWebAPI.csproj" -c Release -o /app/build
=> CACHED [publish 1/2] RUN dotnet publish "SimpleWebAPI.csproj" -c Release -o /app/publish /p:UseAppHost=false
=> CACHED [final 2/2] COPY --from=publish /app/publish .
=> exporting to image
=> exporting layers
=> writing image sha256:04d43a232a66ce6dcd6941ed12108c12fd921fc47fbfde6d2df6b01fa3fc5c
=> naming to docker.io/library/mywebapi

PS C:\Users\gusta\OneDrive\Escritorio\UCC\Cuarto Año\IngenieriaSoftware 3\RepoTP\SimpleWebAPI> docker run -it --rm -p 80:80 mywebapi
root@77a2687b17fe:/app#
PS C:\Users\gusta\OneDrive\Escritorio\UCC\Cuarto Año\IngenieriaSoftware 3\RepoTP\SimpleWebAPI> docker run -it --rm -p 80:80 mywebapi
root@77a2687b17fe:/app# exit
```

10)

```
PS C:\Users\gusta\OneDrive\Escritorio\UCC\Cuarto Año\IngenieriaSoftware 3\RepoTP\SimpleWebAPI> docker run -it --rm -p 80:80 -v /Users/gusta/temp:/var/temp mywebapi
root@e2d6e414d0b4:/app# ls -l /var/temp
total 0
root@e2d6e414d0b4:/app# touch /var/temp/hola.txt
root@e2d6e414d0b4:/app#
```



```

root@e2d6e414d0b4:/app# ls -l /var/temp
total 0
-rw-r--r-- 1 root root 0 Oct 15 00:11 hola.txt

```

11)

```

PS C:\Users\gusta\OneDrive\Escritorio\UCC\Cuarto Año\IngenieriaSoftware 3\RepoTP\SimpleWebAPI> mkdir $HOME/.postgres

Directorio: C:\Users\gusta

Mode                LastWriteTime         Length Name
----                -
d-----          14/10/2023      21:22             .postgres

PS C:\Users\gusta\OneDrive\Escritorio\UCC\Cuarto Año\IngenieriaSoftware 3\RepoTP\SimpleWebAPI> docker run --name my-postgres -e POSTGRES_PASSWORD=mysecretpassword -v $HOME/.postgres:/var/lib/postgresql/data -p 5432:5432 -d postgres:9.4
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
febcfb7f8870: 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
bdd426f70b0410ce8c8cba9f046bf70c9061b7125ca4bf456e46824c2827dfd

```