

```
C:\Users\Matias>docker version
Client:
 Cloud integration: v1.0.35
 Version: 24.0.2
 API version: 1.43
 Go version: go1.20.4
 Git commit: cb74dfc
 Built: Thu May 25 21:53:15 2023
 OS/Arch: windows/amd64
 Context: default

Server: Docker Desktop 4.21.1 (114176)
Engine:
 Version: 24.0.2
 API version: 1.43 (minimum version 1.12)
 Go version: go1.20.4
 Git commit: 659604f
 Built: Thu May 25 21:52:17 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\Matias>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
```

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

REPOSITORY	TAG	IMAGE ID	CREATED	SIZE
busybox	latest	a416a98b71e2	6 weeks ago	4.26MB
frontend	latest	ea34b68e7b0c	7 weeks ago	222MB

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

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

CONTAINER ID	IMAGE	COMMAND	CREATED	STATUS	PORTS	NAMES
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```
C:\Users\Matias>docker ps -a
```

CONTAINER ID	IMAGE	COMMAND	CREATED	STATUS	PORTS	NAMES
b3f3684a57d4	busybox	"echo 'Hola Mundo'"	30 seconds ago	Exited (0) 29 seconds ago		charming_chaum4
89fcadb33f7	frontend	"docker-entrypoint.s..."	7 weeks ago	Exited (0) 7 weeks ago		happy_wozniak

```

C:\Users\user> docker buildx build -t mywebapi .
[+] Building 8.2s (5/17)
=> [internal] load .dockerignore
=> => transferring context: 2B
=> [internal] load build definition from Dockerfile
=> => transferring dockerfile: 810B
=> [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@sha256:926b9337622ccc594ed051d3559f1c4544686c9fd5f4656f09d1f
=> => resolve mcr.microsoft.com/dotnet/sdk:7.0@sha256:926b9337622ccc594ed051d3559f1c4544686c9fd5f4656f09d1f3e37d9a
=> sha256:926b9337622ccc594ed051d3559f1c4544686c9fd5f4656f09d1fe37d9a5ace2 1.82kB / 1.82kB
=> sha256:93b7191fd296e4befb3c4440ab640b7322c0536f5aa9331229b7f3c9a5b67c19 7.17kB / 7.17kB
=> sha256:99b5519ab5c2a0d0676678bdd1d702af1aed8b505681fb4bd5979c62971e4a 2.01kB / 2.01kB
=> sha256:14726c8f78342865030f97a8d3492e2d1a68fbd22778f9a31dc6be4b4f12a9bc 31.42MB / 31.42MB
=> sha256:6c39816808c2b6b3825fe63b9c920101d7bf4ca80ceda7ddc0dc09f9c3a5797d 14.68MB / 14.97MB
=> sha256:a2e354ccce4ad7336b6a92c2662de61a68677cec551530c6d7045bcb3cd6d7 10.49MB / 32.45MB
=> extracting sha256:14726c8f78342865030f97a8d3492e2d1a68fbd22778f9a31dc6be4b4f12a9bc
=> sha256:cbca4ad4689cc576651411faa2b98dff307dc8f6de9adf08a5a2d6ae2239d233 154B / 154B
=> sha256:31e2a952779c41cf5cd187ae1ae276f3de3965a43d41a0250b56c58e1206db8a 10.12MB / 10.12MB
=> sha256:6ecbf1fb3717325876ded9c592f691f875695c9df5a16bd4c5ecd7fc2526533 4.19MB / 25.37MB
=> [internal] load build context
=> => transferring context: 56.65kB
=> [base 1/2] FROM mcr.microsoft.com/dotnet/aspnet:7.0@sha256:54a3864f1c7d9b232982f61105aa18a59b976382a4e720fe18b
=> => resolve mcr.microsoft.com/dotnet/aspnet:7.0@sha256:54a3864f1c7d9b232982f61105aa18a59b976382a4e720fe18b4af98
=> sha256:54a3864f1c7d9b232982f61105aa18a59b976382a4e720fe18b4af98fc6d63a6 1.82kB / 1.82kB
=> sha256:6261b1c7f1786341b6fa46f83ee00f52643a2a799f989eaf160644163b015be 1.37kB / 1.37kB
=> sha256:63837b17b8f6410c92c69bf17abdb0cab0205c352f115510b31c6ecb794ca3 3.26kB / 3.26kB
=> sha256:14726c8f78342865030f97a8d3492e2d1a68fbd22778f9a31dc6be4b4f12a9bc 31.42MB / 31.42MB
=> sha256:6c39816808c2b6b3825fe63b9c920101d7bf4ca80ceda7ddc0dc09f9c3a5797d 14.68MB / 14.97MB
=> sha256:a2e354ccce4ad7336b6a92c2662de61a68677cec551530c6d7045bcb3cd6d7 10.49MB / 32.45MB
=> sha256:cbca4ad4689cc576651411faa2b98dff307dc8f6de9adf08a5a2d6ae2239d233 154B / 154B
=> extracting sha256:14726c8f78342865030f97a8d3492e2d1a68fbd22778f9a31dc6be4b4f12a9bc
=> sha256:31e2a952779c41cf5cd187ae1ae276f3de3965a43d41a0250b56c58e1206db8a 10.12MB / 10.12MB

```

```
FROM mcr.microsoft.com/dotnet/aspnet:7.0 AS base
WORKDIR /app
EXPOSE 80
EXPOSE 443
EXPOSE 5254

FROM mcr.microsoft.com/dotnet/sdk:7.0 AS build
WORKDIR /src
COPY ["SimpleWebAPI/SimpleWebAPI.csproj", "SimpleWebAPI/"]
RUN dotnet restore "SimpleWebAPI/SimpleWebAPI.csproj"
COPY . .
WORKDIR "/src/SimpleWebAPI"
RUN dotnet build "SimpleWebAPI.csproj" -c Release -o /app/build

FROM build AS publish
RUN dotnet publish "SimpleWebAPI.csproj" -c Release -o /app/publish /p:UseAppHost=false

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

```
D:\Facu\ingsw3\IngenieriaDeSoftware3\TP2\SimpleWebAPI>docker run --name myapi -d mywebapi
28308e4ea0e0c0a9a26a2e5452484b13af6949c216f371bbbcc403facbef281b2
```

```

Matias@DESKTOP-3101752 MINGW64 /d/Facu/ingsw3/IngenieriaDeSoftware3 (main)
$ docker tag mywebapi matiaslessio/mywebapi

Matias@DESKTOP-3101752 MINGW64 /d/Facu/ingsw3/IngenieriaDeSoftware3 (main)
$ docker push matiaslessio/mywebapi
Using default tag: latest
The push refers to repository [docker.io/matiaslessio/mywebapi]
cd49186bfeb9: Pushed
5f70bf18a086: Pushed
eb6708118667: Pushed
b260d977135d: Pushed
c65e011b79f6: Pushed
7af65d5c9e2a: Pushed
a5511d7cb706: Pushed
63290f9c9e52: Pushed
latest: digest: sha256:0bbb51552d35680fbab79947210e41222e471f50815a3a4e28c0545f6e0f8036 size: 1995

```

```

D:\Facu\ingsw3\IngenieriaDeSoftware3\TP2\SimpleWebAPI>docker ps
CONTAINER ID   IMAGE     COMMAND                  CREATED        STATUS        PORTS                               NAMES
28308e4ae00c   mywebapi  "dotnet SimpleWebAPI..." 3 minutes ago  Up 3 minutes  80/tcp, 443/tcp, 5254/tcp          myapi

```

```

D:\Facu\ingsw3\IngenieriaDeSoftware3\TP2\SimpleWebAPI>docker run --name myapi -d mywebapi
28308e4ae00c0a9a26a2e5452484b13af6949c216f371bbcc403facbef281b2

```

```

D:\Facu\ingsw3\IngenieriaDeSoftware3\TP2\SimpleWebAPI>docker ps
CONTAINER ID   IMAGE     COMMAND                  CREATED        STATUS        PORTS                               NAMES
28308e4ae00c   mywebapi  "dotnet SimpleWebAPI..." 3 minutes ago  Up 3 minutes  80/tcp, 443/tcp, 5254/tcp          myapi

```

```

D:\Facu\ingsw3\IngenieriaDeSoftware3\TP2\SimpleWebAPI>docker run --name myapy -d -p 80:80 -p 5254:5254 mywebapi
3b2ab77a87ebb0f0525ef211ee2e11a1db2fc094182bad2fa4f3ae3d55ec825b

```

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```

[{"date": "2023-08-31", "temperatureC": 54, "temperatureF": 129, "summary": "Cool"}, {"date": "2023-09-01", "temperatureC": 15, "temperatureF": 58, "summary": "Warm"}, {"date": "2023-09-02", "temperatureC": 47, "temperatureF": 116, "summary": "Cool"}, {"date": "2023-09-03", "temperatureC": 20, "temperatureF": 67, "summary": "Sweltering"}, {"date": "2023-09-04", "temperatureC": 0, "temperatureF": 32, "summary": "Hot"}]

```