

## `docker-compose.yml`

```
version: '3.1'
services:

  www:
    image: node
    environment:
      - API=http://10.10.10.101:8000/api
    volumes:
      - ./AppWeb:/app
    working_dir: /app
    # Por defecto webserver corre en la 3000
    command: [ "node", "webserver.js" ]

  netapi:
    # ASP.NET en contenedor se lanza en la 80
    build: .
    restart: always
    image: appapi:1.0
    environment:
      - Aqui=POR AQUÍ LLUEVE

  proxy:
    image: nginx
    ports:
      - 8000:80
    volumes:
      -
      - ./nginx/nginx.conf:/etc/nginx/conf.d/default.conf:ro
```

## `./nginx/nginx.conf`

```
server {
    listen 80;
    location /api {
        proxy_pass http://netapi/WeatherForecast;
    }
    location / {
        proxy_pass http://www:3000;
    }
}
```

## Dockerfile

```
FROM mcr.microsoft.com/dotnet/sdk:5.0 AS build
WORKDIR /source
COPY AppApi/. .
RUN dotnet restore
RUN dotnet publish -c Release -o /App --no-restore

FROM mcr.microsoft.com/dotnet/aspnet:5.0 AS runtime
WORKDIR /App
COPY --from=build /App ./
# PUERTO 80
ENTRYPOINT ["dotnet", "AppApi.dll"]
```

## \$ docker-compose up

**Creating network** "proxynetapi\_default" with the default driver

### **Building netapi**

Step 1/9 : FROM mcr.microsoft.com/dotnet/sdk:5.0 AS build

---> 52af65d291e7

Step 2/9 : WORKDIR /source

---> Using cache

---> c19c46ee563e

Step 3/9 : COPY AppApi/. .

---> Using cache

---> b2d3e17c078d

Step 4/9 : RUN dotnet restore

---> Using cache

---> 3a6d612f989b

Step 5/9 : RUN dotnet publish -c Release -o /App --no-restore

---> Using cache

---> 8a289fce6126

Step 6/9 : FROM mcr.microsoft.com/dotnet/aspnet:5.0 AS runtime

---> 0678c0a71d53

```
Step 7/9 : WORKDIR /App
--> Running in 173082c2d21f
Removing intermediate container 173082c2d21f
--> a50bfe9f1fc9
Step 8/9 : COPY --from=build /App ./
--> c7af1589bb61
Step 9/9 : ENTRYPOINT ["dotnet", "AppApi.dll"]
--> Running in 91b3a407deef
Removing intermediate container 91b3a407deef
--> 335534df6b31
Successfully built 335534df6b31
Successfully tagged appapi:1.0
WARNING: Image for service netapi was built because it did not already exist. To rebuild this image you must use `docker-compose
build` or `docker-compose up --build`.
Creating proxynetapi_netapi_1 ... done
Creating proxynetapi_www_1 ... done
Creating proxynetapi_proxy_1 ... done
Attaching to proxynetapi_www_1, proxynetapi_netapi_1, proxynetapi_proxy_1
proxy_1 | /docker-entrypoint.sh: /docker-entrypoint.d/ is not empty, will attempt to perform configuration
proxy_1 | /docker-entrypoint.sh: Looking for shell scripts in /docker-entrypoint.d/
proxy_1 | /docker-entrypoint.sh: Launching /docker-entrypoint.d/10-listen-on-ipv6-by-default.sh
proxy_1 | 10-listen-on-ipv6-by-default.sh: info: can not modify /etc/nginx/conf.d/default.conf (read-only file system?)
proxy_1 | /docker-entrypoint.sh: Launching /docker-entrypoint.d/20-envsubst-on-templates.sh
proxy_1 | /docker-entrypoint.sh: Launching /docker-entrypoint.d/30-tune-worker-processes.sh
proxy_1 | /docker-entrypoint.sh: Configuration complete; ready for start up
proxy_1 | 2022/01/28 14:30:38 [notice] 1#1: using the "epoll" event method
proxy_1 | 2022/01/28 14:30:38 [notice] 1#1: nginx/1.21.6
proxy_1 | 2022/01/28 14:30:38 [notice] 1#1: built by gcc 10.2.1 20210110 (Debian 10.2.1-6)
proxy_1 | 2022/01/28 14:30:38 [notice] 1#1: OS: Linux 5.5.14-050514-lowlatency
proxy_1 | 2022/01/28 14:30:38 [notice] 1#1: getrlimit(RLIMIT_NOFILE): 1048576:1048576
proxy_1 | 2022/01/28 14:30:38 [notice] 1#1: start worker processes
proxy_1 | 2022/01/28 14:30:38 [notice] 1#1: start worker process 23
proxy_1 | 2022/01/28 14:30:38 [notice] 1#1: start worker process 24
proxy_1 | 2022/01/28 14:30:38 [notice] 1#1: start worker process 25
proxy_1 | 2022/01/28 14:30:38 [notice] 1#1: start worker process 26
proxy_1 | 2022/01/28 14:30:38 [notice] 1#1: start worker process 27
proxy_1 | 2022/01/28 14:30:38 [notice] 1#1: start worker process 28
proxy_1 | 2022/01/28 14:30:38 [notice] 1#1: start worker process 29
proxy_1 | 2022/01/28 14:30:38 [notice] 1#1: start worker process 30
www_1 | WEB Server running at http://a988464f54c8:3000/
www_1 | API Server fetch from http://10.10.10.101:8000/api/
netapi_1 | info: Microsoft.Hosting.Lifetime[0]
netapi_1 | Now listening on: http://[::]:80
netapi_1 | info: Microsoft.Hosting.Lifetime[0]
netapi_1 | Application started. Press Ctrl+C to shut down.
netapi_1 | info: Microsoft.Hosting.Lifetime[0]
netapi_1 | Hosting environment: Production
netapi_1 | info: Microsoft.Hosting.Lifetime[0]
netapi_1 | Content root path: /App
proxy_1 | 172.27.0.1 - - [28/Jan/2022:14:30:49 +0000] "GET / HTTP/1.1" 200 1115 "-" "Mozilla/5.0 (X11; Linux x86_64)
AppleWebKit/537.36 (KHTML, like Gecko) Chrome/97.0.4692.99 Safari/537.36" "-"
proxy_1 | 172.27.0.1 - - [28/Jan/2022:14:30:50 +0000] "GET /favicon.ico HTTP/1.1" 200 1115 "http://localhost:8000/"
"Mozilla/5.0 (X11; Linux x86_64) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/97.0.4692.99 Safari/537.36" "-"
netapi_1 | warn: Microsoft.AspNetCore.HttpsPolicy.HttpsRedirectionMiddleware[3]
netapi_1 | Failed to determine the https port for redirect.
proxy_1 | 10.10.10.101 - - [28/Jan/2022:14:30:51 +0000] "GET /api HTTP/1.1" 200 527 "http://localhost:8000/" "Mozilla/5.0
(X11; Linux x86_64) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/97.0.4692.99 Safari/537.36" "-"
```

- {"date": "2022-01-29T14:43:25.0146838+00:00", "temperatureC": 32, "temperatureF": 89, "summary": "Cool"}
- {"date": "2022-01-30T14:43:25.0160031+00:00", "temperatureC": -20, "temperatureF": -3, "summary": "Mild"}
- {"date": "2022-01-31T14:43:25.0160058+00:00", "temperatureC": -16, "temperatureF": 4, "summary": "Sweltering"}
- {"date": "2022-02-01T14:43:25.0160066+00:00", "temperatureC": 35, "temperatureF": 94, "summary": "Chilly"}
- {"date": "2022-02-02T14:43:25.0160068+00:00", "temperatureC": 41, "temperatureF": 105, "summary": "Mild"}
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- {"date": "2022-01-31T14:44:55.3017557+00:00", "temperatureC": 36, "temperatureF": 96, "summary": "Mild"}
- {"date": "2022-02-01T14:44:55.3017565+00:00", "temperatureC": -9, "temperatureF": 16, "summary": "Balmy"}
- {"date": "2022-02-02T14:44:55.3017574+00:00", "temperatureC": 51, "temperatureF": 123, "summary": "Warm"}
- {"date": "2022-01-29T14:44:55.8673354+00:00", "temperatureC": 5, "temperatureF": 40, "summary": "POR AQUÍ LLUEVE"}
- {"date": "2022-01-30T14:44:55.8673458+00:00", "temperatureC": 31, "temperatureF": 87, "summary": "Hot"}
- {"date": "2022-01-31T14:44:55.8673471+00:00", "temperatureC": 47, "temperatureF": 116, "summary": "Hot"}
- {"date": "2022-02-01T14:44:55.8673478+00:00", "temperatureC": 29, "temperatureF": 84, "summary": "POR AQUÍ LLUEVE"}
- {"date": "2022-02-02T14:44:55.8673486+00:00", "temperatureC": -12, "temperatureF": 11, "summary": "Cool"}