[Containerize an app with Docker tutorial - .NET | Microsoft Docs](https://docs.microsoft.com/en-us/dotnet/core/docker/build-container?tabs=windows)

* Create and publish a simple .NET Core app
* Create and configure a Dockerfile for .NET Core
* Build a Docker image
* Create and run a Docker container
* Create and publish a simple .NET Core app

1. Create Application

dotnet new console -o App -n NetCore.Docker

cd App

dotnet run

code . > This will open Project in Visual Studio Code

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2. Publish .NET Core app

dotnet publish -c Release

Add Dockerfile in App folder

FROM mcr.microsoft.com/dotnet/aspnet:5.0

COPY bin/Release/net5.0/publish/ App/

WORKDIR /App

ENTRYPOINT ["dotnet", "NetCore.Docker.dll"]

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Push it to github

In VM

docker build -t counter-image -f Dockerfile .

It will create image

<https://github.com/Anamika-s/CoreApp.git>

sudo docker images

## Create a container

Sudo docker create --name core-counter counter-image

Sudo docker ps –a

Sudo docker start core-counter

Sudo docker ps

Sudo docker stop core-counter

### Connect to a container

docker start core-counter

docker attach --sig-proxy=false core-counter

### Delete a container

docker stop core-counter

docker rm core-counter

### Single run

docker run -it --rm counter-image

docker run -it --rm counter-image 3

### Change the ENTRYPOINT

docker run -it --rm --entrypoint "bash" counter-image