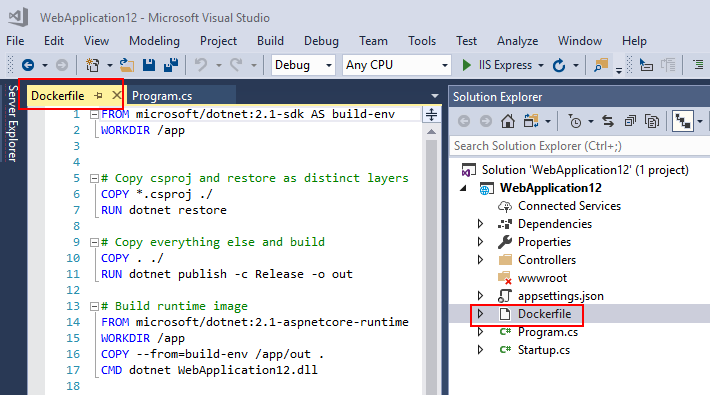
Heroku .netcore docker

<https://www.mikefoden.com/hosting-a-dot-net-core-webapi-in-docker/>

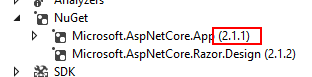
<https://codingblast.com/hosting-asp-net-core-on-heroku-with-dockercircleci-for-free/>



Important cmd

Docker file

FROM microsoft/dotnet:2.1-sdk AS build-env



WORKDIR /app

# Copy csproj and restore as distinct layers

COPY \*.csproj ./

RUN dotnet restore

# Copy everything else and build

COPY . ./

RUN dotnet publish -c Release -o out

# Build runtime image

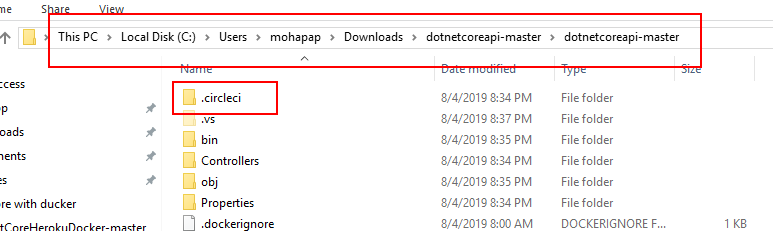
FROM microsoft/dotnet:2.1-aspnetcore-runtime

WORKDIR /app

COPY --from=build-env /app/out .

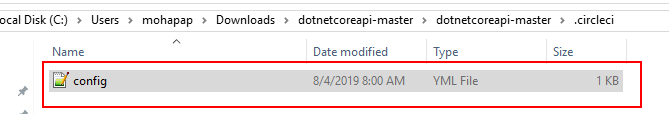
CMD dotnet WebApplication12.dll

\\\\\\\\

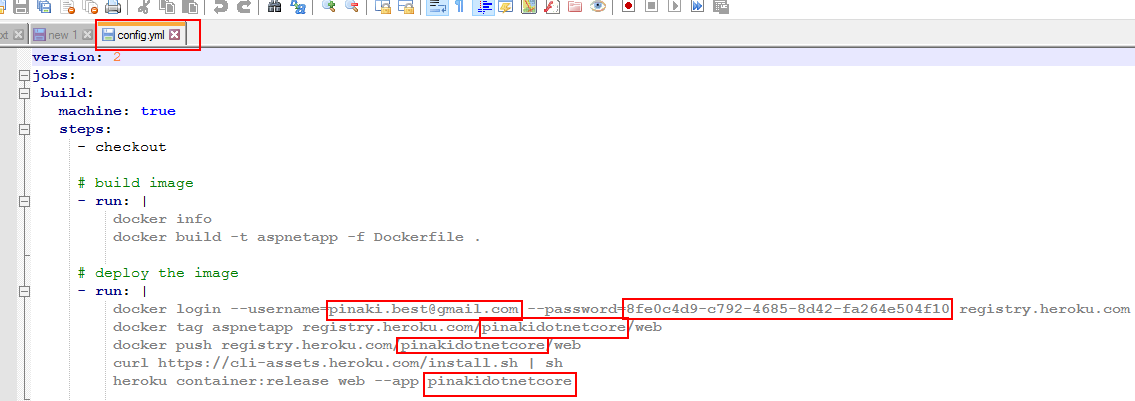


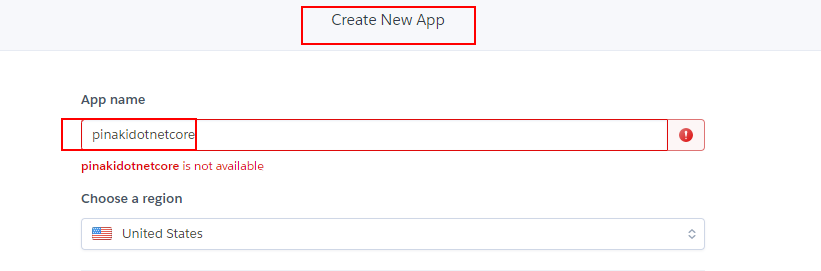
Create a new folder “.circleci” inside the .csproj folder.

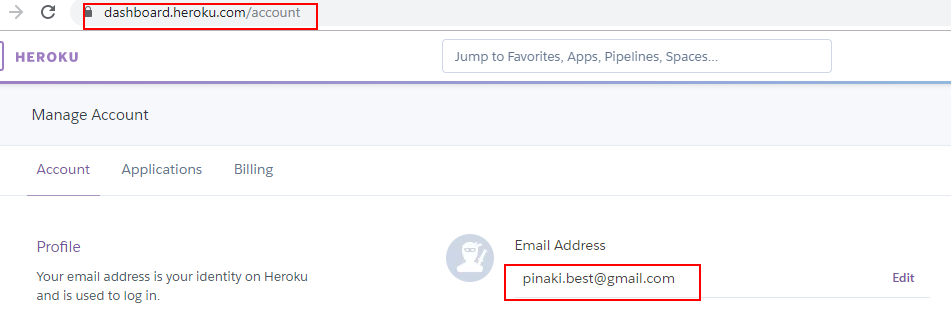
Note: this folder wont be visible in Visula studio.



Heroku UserName

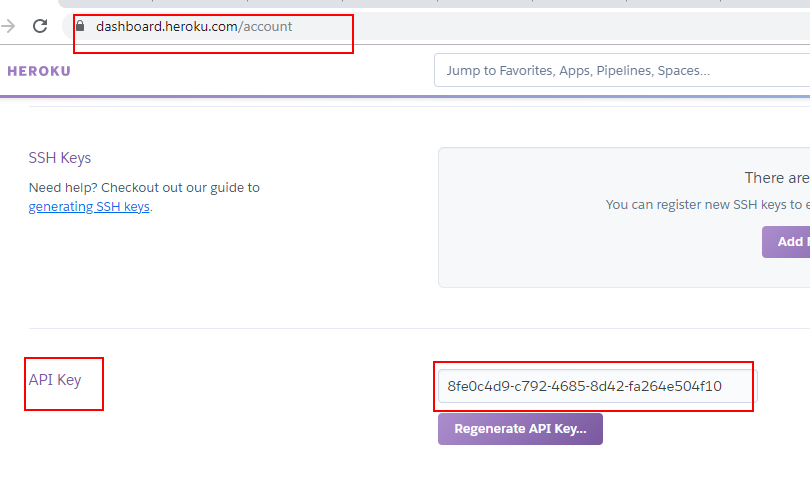






Heroku appname

Heroku Api Key



Config.YML

version: 2

jobs:

build:

machine: true

steps:

- checkout

# build image

- run: |

docker info

docker build -t aspnetapp -f Dockerfile .

# deploy the image

- run: |

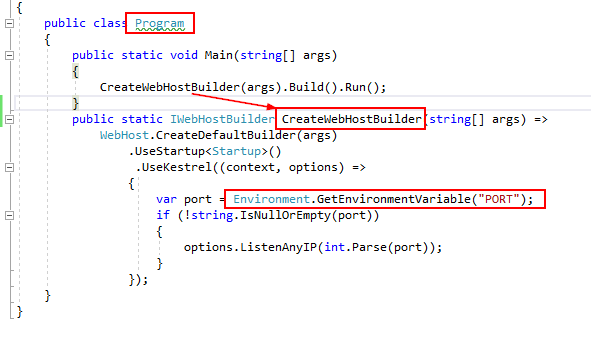
docker login --username=pinaki.best@gmail.com --password=8fe0c4d9-c792-4685-8d42-fa264e504f10 registry.heroku.com

docker tag aspnetapp registry.heroku.com/pinakidotnetcore/web

docker push registry.heroku.com/pinakidotnetcore/web

curl https://cli-assets.heroku.com/install.sh | sh

heroku container:release web --app pinakidotnetcore



We must modify “CreateWebHostBuilder”

Methode to accept runtime port. Add this methode to program.cs

public class Program

{

public static void Main(string[] args)

{

CreateWebHostBuilder(args).Build().Run();

}

public static IWebHostBuilder CreateWebHostBuilder(string[] args) =>

WebHost.CreateDefaultBuilder(args)

.UseStartup<Startup>()

.UseKestrel((context, options) =>

{

var port = Environment.GetEnvironmentVariable("PORT");

if (!string.IsNullOrEmpty(port))

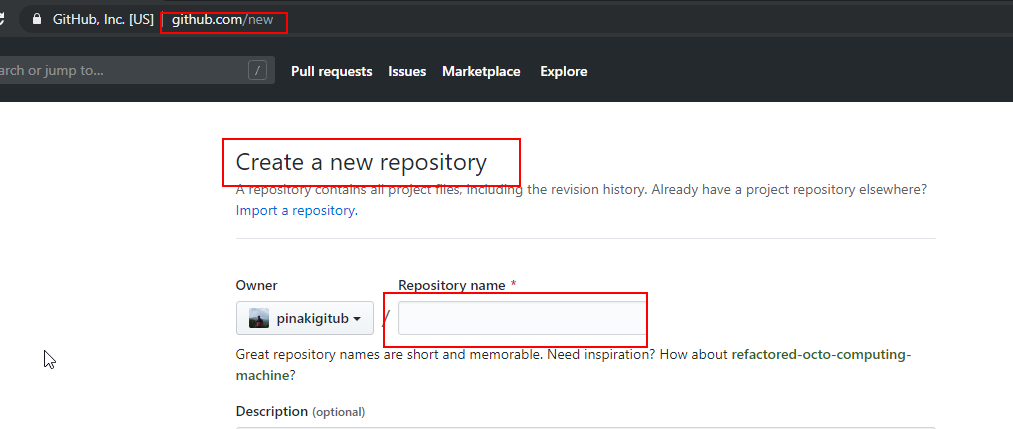
{

options.ListenAnyIP(int.Parse(port));

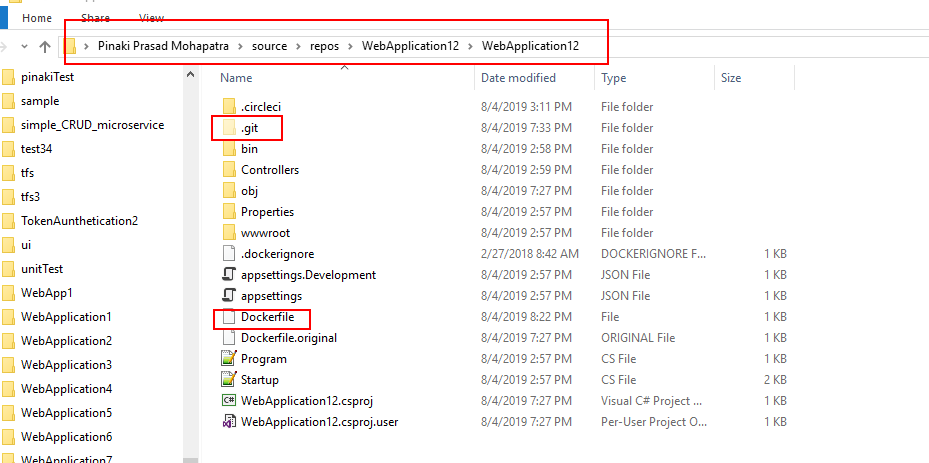
}

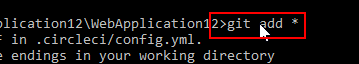
});

}

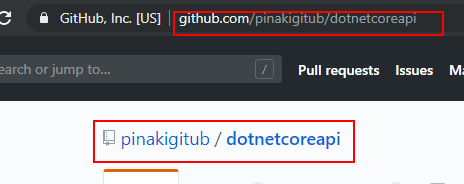


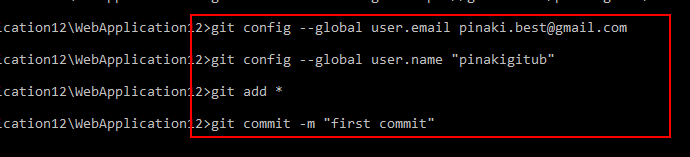




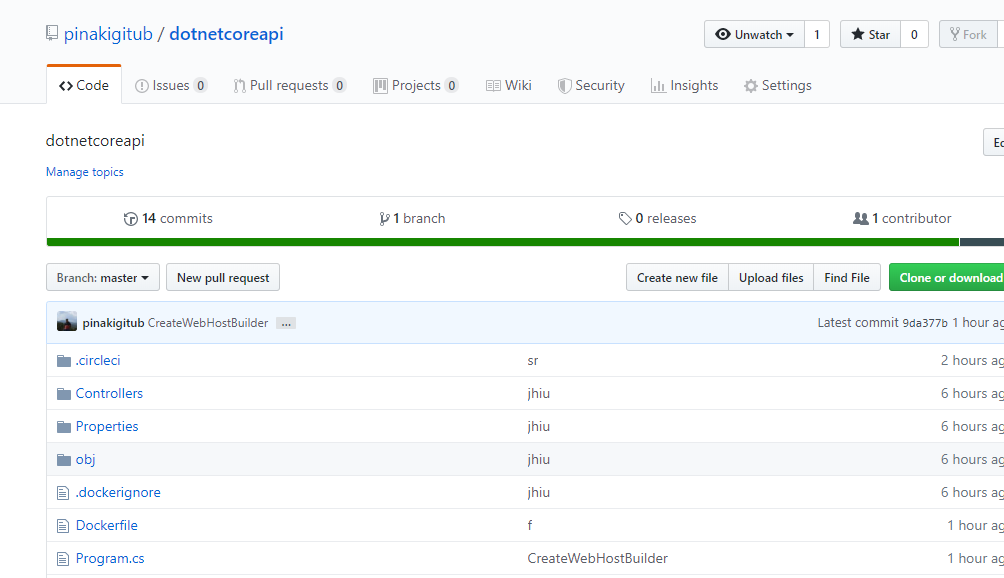




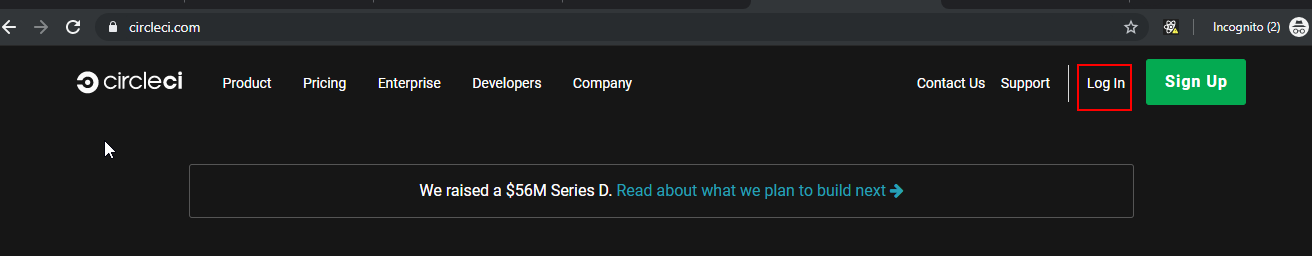


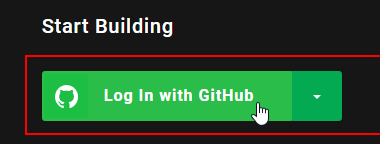


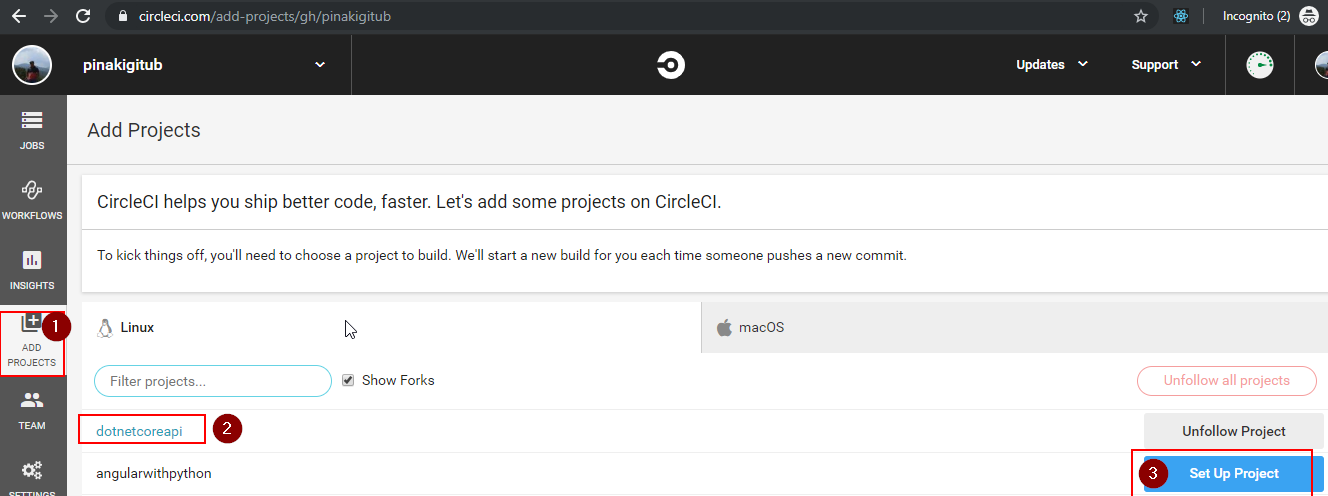




<https://circleci.com/>

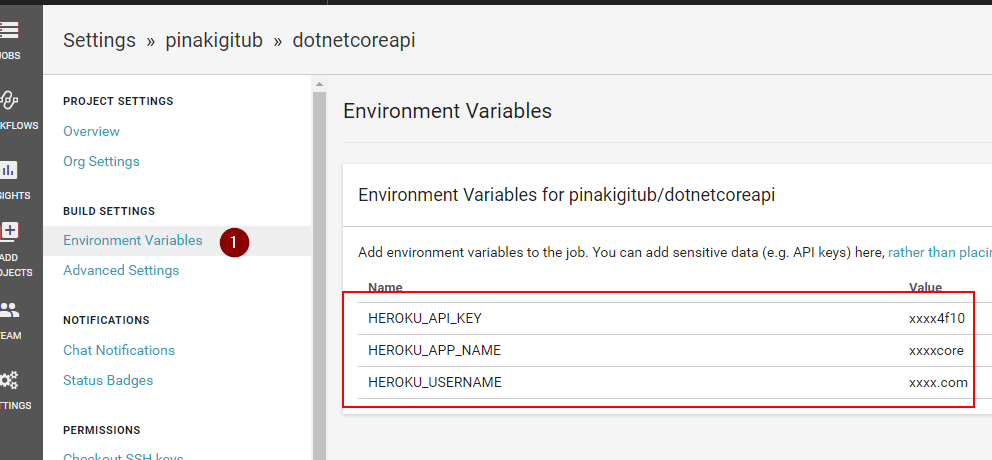






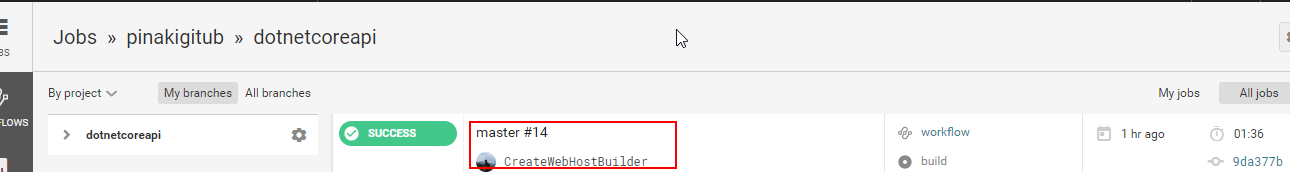
We can see our git hub projects here

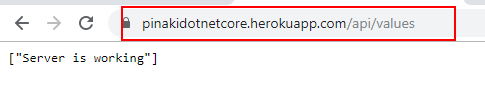


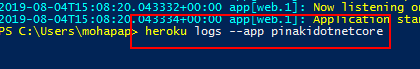


Add these variable to your project

It will automatically build and push to heroku







We can see logs in here in window poershell