WebAPI2CLI

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Execute ASP.NET Core WebAPI from Command Line

How to use (for .NET Core 3.1)

Step 0 : install into your ASP.NET Core Web

Install the package https://www.nuget.org/packages/ExtensionNetCore3

Modify your ASP.NET Core as below:

```csharp
public void ConfigureServices(IServiceCollection services)
{
    services.AddCLI();
```

```
//your code omitted
}
public void Configure(IApplicationBuilder app, IWebHostEnvironment env)
{
    app.UseCLI();
//your code omitted
}
```

And that is all

Step 1 - find and save the definition of the commands, i.e. WebAPI endpoints

First, you must generate the definition of the commands. For this, we take the OPEN API (swagger) approach.

For this, after you compile the project, you will run your .exe program with arguments:

< myexe >.exe --CLI_ENABLED=1 --CLI_HELP=1

(or make this from *Visual Studio, Project, Properties, Debug*)

This will generate a *cli.txt* file with all definitions of the WebAPI. (if your API does not appear, check if you have *ApiController* defined)

Open your *cli.txt* file and modify the names of the commands as you wish (also , the arguments)

Copy this *cli.txt* in your solution and be sure that is copied with the exe (in Visual Studio right click the file, properties, Build Action = Content, CopyToOutputDirectory = Copy if newer)

Step 2 - run the commands

Ensure that the file is near your exe WebAPI.

Run the exe with the following:

< myexe >.exe --CLI_ENABLED=1 --CLI_Commands="your first command,your second command, and enumerate all commands"

The program will run the commands and output the result.

More details here:

https://ignatandrei.github.io/WebAPI2CLI/

F.A.Q.

Will my WebAPI work as before?

The software takes care about

--CLI_ENABLED=1

If you do not have this command, your website runs as before

I want to run as a CLI and then use the WebAPI as before. Could I do that?

Yes. Use

< myexe >.exe --CLI_ENABLED=1 --CLI_Commands="your first command,your second command" --CLI_STAY=1

I found a bug / I need a feature . Where can I report ?

All code source is at https://github.com/ignatandrei/WebAPI2CLI/

You can report problems at https://github.com/ignatandrei/WebAPI2CLI/issues

Where can I download this document ?

There is a PDF at https://ignatandrei.github.io/WebAPI2CLI/Web2CLI.pdf