

RSCG nr 8 : RSCG__Static

Info

Nuget : https://www.nuget.org/packages/RSCG__Static/

You can find more details at : https://github.com/ignatandrei/RSCG__Static

Author :Andrei Ignat

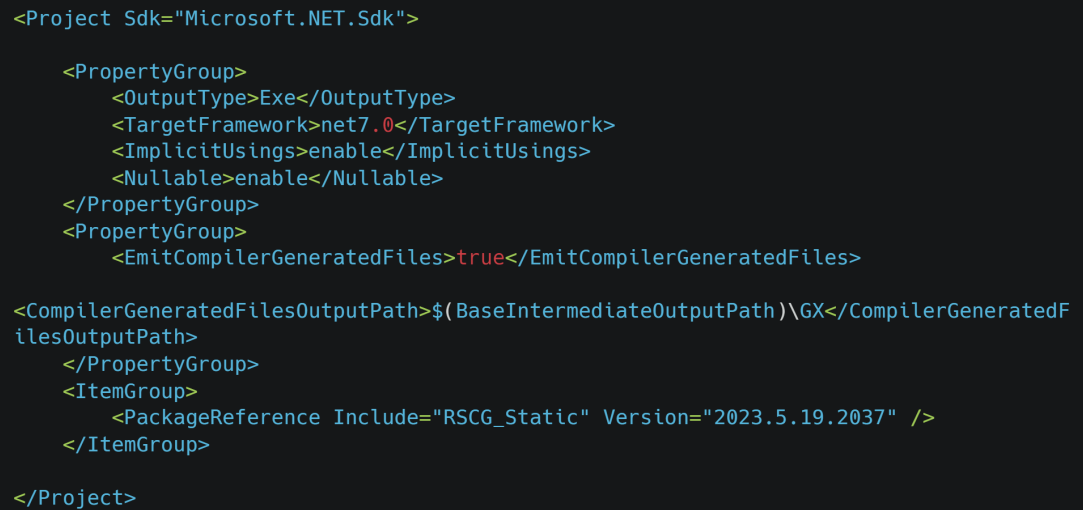
Source : https://github.com/ignatandrei/RSCG__Static

About

Generate interfaces and classes from static classes

How to use

Add reference to the RSCG__Static in the csproj



```
<Project Sdk="Microsoft.NET.Sdk">

  <PropertyGroup>
    <OutputType>Exe</OutputType>
    <TargetFramework>net7.0</TargetFramework>
    <ImplicitUsings>enable</ImplicitUsings>
    <Nullable>enable</Nullable>
  </PropertyGroup>
  <PropertyGroup>
    <EmitCompilerGeneratedFiles>true</EmitCompilerGeneratedFiles>
  </PropertyGroup>
  <CompilerGeneratedFilesOutputPath>$(BaseIntermediateOutputPath)\GX</CompilerGeneratedFilesOutputPath>
  </PropertyGroup>
  <ItemGroup>
    <PackageReference Include="RSCG__Static" Version="2023.5.19.2037" />
  </ItemGroup>

</Project>
```

This was for me the starting code

I have **coded** the file Program.cs

```

•using RSCG_StaticDemo;
//for DI, register
//ISystem_DateTime with transient for new clsSystem_DateTime()
Console.WriteLine("Hello World!");
ISystem_DateTime dateStatic = recSystem_DateTime.MakeNew();//static
ISystem_DateTime dateVar = new clsSystem_DateTime(); //variable = real

Console.WriteLine(dateStatic.Now.Second);
Console.WriteLine(dateVar.Now.Second);
await Task.Delay(10 * 1000);
Console.WriteLine(dateStatic.Now.Second);
Console.WriteLine(dateVar.Now.Second);

```

I have **coded** the file StaticToInterface.cs

```

•namespace RSCG_StaticDemo;

public partial class StaticToInterface
{
    public Type GenerateInterfaceFromDate() => typeof(DateTime);
}

```

And here are the *generated* files

The file *generated* is GenerateInterfaceFromDate.cs

```

•
#nullable enable
namespace RSCG_StaticDemo {
    public interface ISystem_DateTime {
        public System.DateTime Now {get;}
        public System.DateTime Today {get;}
        public System.DateTime.UtcNow {get;}
    } // interface
    //now the partial class
    public record recSystem_DateTime (System.DateTime Now, System.DateTime
Today, System.DateTime.UtcNow) : ISystem_DateTime
    {
        public static recSystem_DateTime MakeNew() {
            return new
recSystem_DateTime(System.DateTime.Now, System.DateTime.Today, System.DateTime.UtcNow);
        } //end makenew
    } //end record
    public class clsSystem_DateTime : ISystem_DateTime
    {
        public System.DateTime Now {get { return System.DateTime.Now; }}
        public System.DateTime Today {get { return System.DateTime.Today; }}
        public System.DateTime.UtcNow {get { return System.DateTime.UtcNow; }}
    } //end class
} // namespace
#nullable disable

```

You can download the code and this page as pdf from https://ignatandrei.github.io/RSCG_Examples/v2/docs/RSCG_Static

You can see the whole list at https://ignatandrei.github.io/RSCG_Examples/v2/docs/List-of-RSCG