

## **RSCG nr 27 : EmbedResourceCSharp**

### **Info**

Nuget : <https://www.nuget.org/packages/EmbedResourceCSharp/>

You can find more details at : <https://github.com/pCYSI5EDgo/EmbeddingResourceCSharp>

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Source : <https://github.com/pCYSI5EDgo/EmbeddingResourceCSharp>

### **About**

reading embedded resources fast

## How to use

Add reference to the `EmbedResourceCSharp` 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>

    <CompilerGeneratedFilesOutputPath>$(BaseIntermediateOutputPath)\GX</CompilerGeneratedFilesOutputPath>
  </PropertyGroup>
  <ItemGroup>
    <None Remove="createDB.txt" />
  </ItemGroup>

  <ItemGroup>
    <EmbeddedResource Include="createDB.txt" />
  </ItemGroup>

  <ItemGroup>
    <PackageReference Include="EmbedResourceCSharp" Version="1.1.3">
      <PrivateAssets>all</PrivateAssets>
      <IncludeAssets>runtime; build; native; contentfiles; analyzers; buildtransitive</IncludeAssets>
    </PackageReference>
  </ItemGroup>
</Project>
```

This was for me the starting code

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

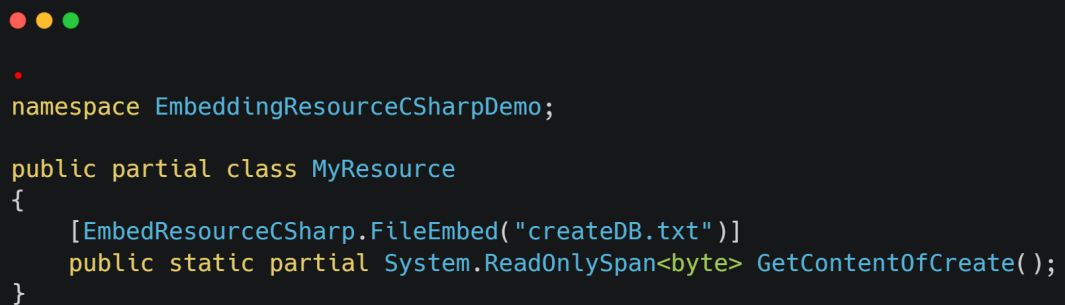


```
•// See https://aka.ms/new-console-template for more information
using System;
using System.Text;

var value = EmbeddingResourceCSharpDemo.MyResource.GetContentOfCreate();
StringBuilder sb = new ();
foreach (byte b in value)
{
    sb.Append((char)b);
}
;
//EncodingExtensions.GetString(Encoding.UTF8, value);
Console.WriteLine(sb.ToString());
```

---

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



```
•
namespace EmbeddingResourceCSharpDemo;

public partial class MyResource
{
    [EmbedResourceCSharp.FileEmbed("createDB.txt")]
    public static partial System.ReadOnlySpan<byte> GetContentOfCreate();
}
```

---

I have **coded** the file createDB.txt



```
•create database Andrei;  
GO;  
use Andrei;
```

---

And here are the *generated* files

The file *generated* is Attribute.cs

```

namespace EmbedResourceCSharp
{
    internal enum PathSeparator
    {
        AsIs,
        Slash,
        BackSlash,
    }

    [global::System.AttributeUsage(global::System.AttributeTargets.Method,
        AllowMultiple = false)]
    internal sealed class FileEmbedAttribute : global::System.Attribute
    {
        public string Path { get; }

        public FileEmbedAttribute(string path)
        {
            Path = path;
        }
    }

    [global::System.AttributeUsage(global::System.AttributeTargets.Method,
        AllowMultiple = false)]
    internal sealed class FolderEmbedAttribute : global::System.Attribute
    {
        public string Path { get; private set; }
        public string Filter { get; private set; }
        public global::System.IO.SearchOption Option { get; private set; }
        public PathSeparator Separator { get; private set; }

        public FolderEmbedAttribute(string path, string filter = "*",
            global::System.IO.SearchOption option = global::System.IO.SearchOption.AllDirectories,
            PathSeparator separator = PathSeparator.Slash)
        {
            Path = path;
            Filter = filter;
            Option = option;
            Separator = separator;
        }
    }
}

```

The file *generated* is MyResource\_\_\_\_\_.GetContentOfCreate.file.g.cs

```
•namespace EmbeddingResourceCSharpDemo
{
    public partial class MyResource
    {
        public static partial global::System.ReadOnlySpan<byte> GetContentOfCreate()
        {
            return new byte[] { 239, 187, 191, 99, 114, 101, 97, 116, 101, 32, 100,
97, 116, 97, 98, 97, 115, 101, 32, 65, 110, 100, 114, 101, 105, 59, 13, 10, 71, 79,
59, 13, 10, 117, 115, 101, 32, 65, 110, 100, 114, 101, 105, 59 };
        }
    }
}
```

You can download the code and this page as pdf from [https://ignatandrei.github.io/RSCG\\_Examples/v2/docs/EmbedResourceCSharp](https://ignatandrei.github.io/RSCG_Examples/v2/docs/EmbedResourceCSharp)

You can see the whole list at [https://ignatandrei.github.io/RSCG\\_Examples/v2/docs/List-of-RSCG](https://ignatandrei.github.io/RSCG_Examples/v2/docs/List-of-RSCG)