



System.Text.RegularExpressions by Microsoft

System.Text.RegularExpressions 1.3G updated today  Stars 12k

Details

Info

! INFO

Name: **System.Text.RegularExpressions**

Author: Microsoft

NuGet: <https://www.nuget.org/packages/System.Text.RegularExpressions/>

You can find more details at <https://learn.microsoft.com/en-us/dotnet/standard/base-types/regular-expression-source-generators/>

Source : <https://github.com/dotnet/runtime>

About

i NOTE

Regex compiled

How to use

Example (source csproj, source files)

CSharp Project

Program.cs

WeatherForecast.cs

This is the CSharp Project that references **System.Text.RegularExpressions**

```
<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)\GeneratedX</CompilerGeneratedFilesOutputPath>
  </PropertyGroup>

</Project>
```

This is the use of **System.Text.RegularExpressions** in *Program.cs*

```
using Demo;
//https://learn.microsoft.com/en-us/dotnet/standard/base-types/regular-expression-source-generators
//https://devblogs.microsoft.com/dotnet/regular-expression-improvements-
```

This is the use of **System.Text.RegularExpressions** in *WeatherForecast.cs*

```
using System.Text.RegularExpressions;

namespace Demo;

public partial class DemoRegex
{
    [GeneratedRegex("abc|def", RegexOptions.IgnoreCase, "en-US")]
    private static partial Regex AbcOrDefGeneratedRegex();

    public static bool EvaluateText(string text)
    {
        return (AbcOrDefGeneratedRegex().IsMatch(text));
    }
}
```

Generated Files

Those are taken from \$(BaseIntermediateOutputPath)\GeneratedX

RegexGenerator.g.cs

```
// <auto-generated/>
#nullable enable
#pragma warning disable CS0162 // Unreachable code
#pragma warning disable CS0164 // Unreferenced label
#pragma warning disable CS0219 // Variable assigned but never used

namespace Demo
```

Usefull

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TIP

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https://ignatandrei.github.io/RSCG_Examples/v2/docs/System.Text.RegularExpressions

