.NET 7 WHAT'S NEW?

If you work with the .NET Framework it's no secret that Microsoft has been working on .NET 7 for quite some time. The code has been tested, and polished and is available for users to enjoy. But what are some of the new features and why is it better than ever?

s));

CRITICAL PERFORMANCE TAGS

Microsoft says they can now expose tag enumerator methods. This covers key scenarios where performance is particularly important and can be achieved using ActivityEvent and ActivityLink.



```
I [JsonDerivedType(typeof(Derived))
2 public class Base
3 {
4     public int X { get; set; }
5 }
6
7 public class Derived : Base
8 {
9     public int Y { get; set; }
```

ArrayPool<char>.Shared.Return(buffer);

System.Reflection; System.Reflection.Emit; System.Text.RegularExpressions;

Regex regex = $new(0^*(G(\{1,3\})((?=(?:\{0,3\})+\$)))^*$, RegexOptions.IgnoreCase); string inp 0 > 0

SVSLIB1046: Use "RegerGeneratorAttribute" to generate the regular expression implementation at compile-time.

blic static void Main()

string result =

SYSTEM.TEXT.JSON IMPROVEMENTS

Serialization and deserialization of polymorphic type hierarchies is now feasible thanks to the new additions to System.Text.Json

COPYSTRING UTF-8 & UTF-16

.NET 7 now includes new methods for working with decoded JSON strings, which was only possible with Utf8JsonReader.GetString() previously. But now, CopyString can be used to copy a UTF-8 or UTF-16 string without decoding it.



ANALYZER

There is a new analyzer which is responsible for finding Regex uses that can be transformed to use the RegexGenerator source generator.

```
CODE FIXER
```

If you have an analyzer, you can't miss a code fixer. One of its two functions is responsible for suggesting RegexGenerator source generator methods that can override the default names. The second is that it can replace the original code as well.





marketing@developrec.net 0207 733 0430 Are you looking for a new software engineering role?
We place the top technical talent across the globe, and we'd love to help you find your next dream role.