System.Runtime.CompilerServices.CompilationRelaxations Enum

```
[ILAsm]
.class public sealed serializable CompilationRelaxations extends
System.Enum {.custom instance void System.FlagsAttribute::.ctor() =
( 01 00 00 00 ) }


[C#]
[Flags]public enum CompilationRelaxations
```

Assembly Info:

- *Name:* mscorlib
- *Public Key:* [00 00 00 00 00 00 00 00 04 00 00 00 00 00 00 00]
- *Version:* 2.0.x.x
- *Attributes:*
    - CLSCompliantAttribute(true)

Type Attributes:

- FlagsAttribute

Summary

Indicates whether instruction checking is strictly ordered or relaxed, and whether strings are interned. The flags come in complementary pairs. Setting neither flag of a pair indicates that the corresponding characteristic should be left unchanged. Setting both bits is an error that is detected by the constructor for `System.Runtime.CompilerServices.CompilationRelaxationsAttribute`.

Inherits From: System.Enum

Library: RuntimeInfrastructure

CompilationRelaxations.NoStringInterning Field

```
[ILAsm]
.field public static literal valuetype
System.Runtime.CompilerServices.CompilationRelaxations
NoStringInterning = 0x8


[C#]
NoStringInterning = 0x8
```

Summary

Indicates that literal strings are not interned; currently only noticed when set for Assemblies.

CompilationRelaxations.RelaxedArrayExceptions Field

```
[ILAsm]
.field public static literal valuetype
System.Runtime.CompilerServices.CompilationRelaxations
RelaxedArrayExceptions = 0x200


[C#]
RelaxedArrayExceptions = 0x200
```

Summary

Indicates that instruction checking for `IndexOutOfRangeException`, `RankException`, and `ArrayTypeMismatchException` is not strictly ordered (that is, it is relaxed).

CompilationRelaxations.RelaxedInvalidCastException Field

```
[ILAsm]
.field public static literal valuetype
System.Runtime.CompilerServices.CompilationRelaxations
RelaxedInvalidCastException = 0x80


[C#]
RelaxedInvalidCastException = 0x80
```

Summary

Indicates that instruction checking for `InvalidCastException` is not strictly ordered (that is, it is relaxed).

CompilationRelaxations.RelaxedNullReferenceException Field

```
[ILAsm]
.field public static literal valuetype
System.Runtime.CompilerServices.CompilationRelaxations
RelaxedNullReferenceException = 0x20


[C#]
RelaxedNullReferenceException = 0x20
```

Summary

Indicates that instruction checking for NullReferenceException and access violations is not strictly ordered (that is, it is relaxed).

CompilationRelaxations.RelaxedOverflowExceptions Field

```
[ILAsm]
.field public static literal valuetype
System.Runtime.CompilerServices.CompilationRelaxations
RelaxedOverflowExceptions = 0x800


[C#]
RelaxedOverflowExceptions = 0x800
```

Summary

Indicates that instruction checking for `OverflowException` and `DivideByZeroException` is not strictly ordered (that is, it is relaxed).

CompilationRelaxations.StrictArrayExceptions Field

```
[ILAsm]
.field public static literal valuetype
System.Runtime.CompilerServices.CompilationRelaxations
StrictArrayExceptions = 0x100


[C#]
StrictArrayExceptions = 0x100
```

Summary

Indicates that instruction checking for `IndexOutOfRangeException`, `RankException`, and `ArrayTypeMismatchException` is strictly ordered.

CompilationRelaxations.StrictInvalidCastException Field

```
[ILAsm]
.field public static literal valuetype
System.Runtime.CompilerServices.CompilationRelaxations
StrictInvalidCastException = 0x40


[C#]
StrictInvalidCastException = 0x40
```

Summary

Indicates that instruction checking for InvalidCastException is strictly ordered.

CompilationRelaxations.StrictNullReferenceException Field

```
[ILAsm]
.field public static literal valuetype
System.Runtime.CompilerServices.CompilationRelaxations
StrictNullReferenceException = 0x10


[C#]
StrictNullReferenceException = 0x10
```

Summary

Indicates that instruction checking for `NullReferenceException` and access violations is strictly ordered.

CompilationRelaxations.StrictOverflowExceptions Field

```
[ILAsm]
.field public static literal valuetype
System.Runtime.CompilerServices.CompilationRelaxations
StrictOverflowExceptions = 0x400


[C#]
StrictOverflowExceptions = 0x400
```

Summary

Indicates that instruction checking for `OverflowException` and `DivideByZeroException` is strictly ordered.

CompilationRelaxations.StringInterning Field

```
[ILAsm]
.field public static literal valuetype
System.Runtime.CompilerServices.CompilationRelaxations
StringInterning = 0x4


[C#]
StringInterning = 0x4
```

Summary

Indicates that literal strings are interned.