System.TypeInitializationException Class

```
[ILAsm]
.class public sealed serializable TypeInitializationException extends
System.SystemException

[C#]
public sealed class TypeInitializationException: SystemException
```

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)

Summary

Represents the error that occurs when an exception is thrown inside the static constructor of a type.

Inherits From: System.SystemException

Library: BCL

Thread Safety: All public static members of this type are safe for multithreaded operations. No instance members are guaranteed to be thread safe.

Description

When a static constructor fails to initialize a type, a System.TypeInitializationException instance is created and passed a reference to the exception thrown by the static constructor. The System.TypeInitializationException.InnerException property stores the exception that was thrown by the static constructor.

Example

The following example demonstrates an error that causes a System.TypeInitializationException exception.

```
[C#]

using System;
class TypeInit {
    // Static constructor
    static TypeInit () {
        // Throw an application-defined exception.
        throw new ApplicationException("Error in Class TypeInit");
```

```
1          }
2      public TypeInit() {}
3  }
4  class TestTypeInit {
5      static public void Main() {
6          try {
7              TypeInit t = new TypeInit ();
8          }
9          catch (TypeInitializationException e) {
10             Console.WriteLine("Error: {0}",e);
11         }
12     }
13 }
```

The output is

Error: System.TypeInitializationException: The type initializer for
"TypeInit" threw an exception. ---> System.ApplicationException: Error in
Class TypeInit
   at TypeInit..cctor()
   --- End of inner exception stack trace ---
   at TypeInit..ctor()
   at TestTypeInit.Main()

TypeInitializationException.TypeName Property

```
[ILAsm]
.property string TypeName { public hidebysig specialname instance string
get_TypeName() }

[C#]
public string TypeName { get; }
```

Summary

Gets the fully qualified name of the type that causes the exception.

Property Value

A `System.String` that contains the fully qualified name of the type that caused the exception.

Description

This property is read-only.

The `System.TypeInitializationException.TypeName` property returns the same value as was passed into the constructor.