

# 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 {
```

```

1      // Static constructor
2      static TypeInit () {
3          // Throw an application-defined exception.
4          throw new ApplicationException("Error in Class TypeInit");
5      }
6      public TypeInit() {}
7  }
8  class TestTypeInit {
9      static public void Main() {
10         try {
11             TypeInit t = new TypeInit ();
12         }
13         catch (TypeInitializationException e) {
14             Console.WriteLine("Error: {0}",e);
15         }
16     }
17 }
18

```

19 The output is

```

20
21 Error: System.TypeInitializationException: The type initializer for
22 "TypeInit" threw an exception. ---> System.ApplicationException: Error in
23 Class TypeInit
24     at TypeInit..ctor()
25     --- End of inner exception stack trace ---
26     at TypeInit..ctor()
27     at TestTypeInit.Main()
28
29

```

# 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.