

# System.Xml.XmlException Class

```
[ILASM]
.class public serializable XmlException extends
System.SystemException

[C#]
public class XmlException: SystemException
```

## Assembly Info:

- *Name:* System.Xml
- *Public Key:* [00 00 00 00 00 00 00 00 04 00 00 00 00 00 00]
- *Version:* 1.0.x.x
- *Attributes:*
  - CLSCompliantAttribute(true)

## Summary

Represents the error that occurs when an XML document or fragment cannot be parsed.

## Inherits From: System.SystemException

**Library:** XML

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

# 1 XmlException() Constructor

```
2 [ILASM]  
3 public rtspecialname specialname instance void .ctor()  
  
4 [C#]  
5 public XmlException()
```

## 6 Summary

7 Constructs and initializes a new instance of the  
8 **System.Xml.XmlException** class.

## 9 Description

10 This constructor initializes the **System.Xml.XmlException.Message**  
11 property of the new instance to a system-supplied message that  
12 describes the error, such as "An XML error has occurred." This  
13 message takes into account the current system culture.

14  
15 The **System.Xml.XmlException.InnerException** property is  
16 initialized to **null**. The **System.Xml.XmlException.LineNumber** and  
17 **System.Xml.XmlException.LinePosition** properties are initialized to  
18 zero.

19

# XmlException(System.String) Constructor

```
[ILASM]
public rtspecialname specialname instance void .ctor(string
message)

[C#]
public XmlException(string message)
```

## Summary

Constructs and initializes a new instance of the **System.Xml.XmlException** class.

## Parameters

Parameter	Description
<i>message</i>	A <b>System.String</b> that describes the error. The content of <i>message</i> is intended to be understood by humans. The caller of this constructor is required to ensure that this string has been localized for the current system culture.

## Description

This constructor initializes the **System.Xml.XmlException.Message** property of the new instance using *message*. If the *message* parameter is **null**, the **System.Xml.XmlException.Message** property is initialized to the system-supplied message provided by the constructor that takes no arguments.

The **System.Xml.XmlException.InnerException** property is initialized to **null**. The **System.Xml.XmlException.LineNumber** and **System.Xml.XmlException.LinePosition** properties are initialized to zero.

# XmlException(System.String, System.Exception, System.Int32, System.Int32) Constructor

```
[ILASM]
public rtsspecialname specialname instance void .ctor(string
message, class System.Exception innerException, int32
lineNumber, int32 linePosition)
```

```
[C#]
public XmlException(string message, Exception
innerException, int lineNumber, int linePosition)
```

## Summary

Constructs and initializes a new instance of the **System.Xml.XmlException** class.

## Parameters

Parameter	Description
<i>message</i>	A <b>System.String</b> that describes the error. The content of <i>message</i> is intended to be understood by humans. The caller of this constructor is required to ensure that this string has been localized for the current system culture.
<i>innerException</i>	An instance of <b>System.Exception</b> that is the cause of the current Exception. If <i>innerException</i> is non-null, then the current Exception was raised in a catch block handling <i>innerException</i> .
<i>lineNumber</i>	A <b>System.Int32</b> that specifies the line number where the error occurred.
<i>linePosition</i>	A <b>System.Int32</b> that specifies the character position where the error occurred.

## Description

This constructor initializes the **System.Xml.XmlException.Message** property of the new instance using *message*, the **System.Xml.XmlException.InnerException** property using *innerException*, the **System.Xml.XmlException.LineNumber** property using *lineNumber*, and the **System.Xml.XmlException.LinePosition** property using *linePosition*. If the *message* parameter is **null**, the **System.Xml.XmlException.Message** property is initialized to the system-supplied message provided by the constructor that takes no arguments.

1 [Note: For information on inner exceptions, see  
2 **System.Exception.InnerException.**

3

# XmlException(System.String, System.Exception) Constructor

```
[ILASM]
public rtspecialname specialname instance void .ctor(string
message, class System.Exception innerException)

[C#]
public XmlException(string message, Exception
innerException)
```

## Summary

Constructs and initializes a new instance of the **System.Xml.XmlException** class.

## Parameters

Parameter	Description
<i>message</i>	A <b>System.String</b> that describes the error. The content of <i>message</i> is intended to be understood by humans. The caller of this constructor is required to ensure that this string has been localized for the current system culture.
<i>innerException</i>	An instance of <b>System.Exception</b> that is the cause of the current exception. If <i>innerException</i> is not a <b>null</b> reference, the current exception was raised in a catch block handling <i>innerException</i> .

## Description

This constructor initializes the **System.Xml.XmlException.Message** property of the new instance using *message* and the **System.Xml.XmlException.InnerException** property using *innerException*. If the *message* parameter is **null**, the **System.Xml.XmlException.Message** property is set to the system-supplied message provided by the constructor that takes no arguments.

The **System.Xml.XmlException.LineNumber** and **System.Xml.XmlException.LinePosition** properties are initialized to zero.

[Note: For more information on inner exceptions, see **System.Exception.InnerException**.]

# 1 XmlException.LineNumber Property

```
2 [ILASM]  
3 .property int32 LineNumber { public hidebysig specialname  
4 instance int32 get_LineNumber() }  
  
5 [C#]  
6 public int LineNumber { get; }
```

## 7 Summary

8 Gets the line number where the error occurred.

## 9 Property Value

10

11 A **System.Int32** containing the line number where the error occurred.

## 12 Description

13 This property is read-only.

14

# 1 XmlException.LinePosition Property

```
2 [ILASM]  
3 .property int32 LinePosition { public hidebysig specialname  
4 instance int32 get_LinePosition() }  
  
5 [C#]  
6 public int LinePosition { get; }
```

## 7 Summary

8 Gets the character position where the error occurred.

## 9 Property Value

10

11 A **System.Int32** containing the character position where the error  
12 occurred.

## 13 Description

14 This property is read-only.

15

16 The first character in the line is in position 1. Note that white space  
17 characters at the start of the line are not skipped.

18



## XmlException.Message Property

```
[ILASM]
.property string Message { public hidebysig virtual
specialname string get_Message() }

[C#]
public override string Message { get; }
```

### Summary

Gets the error message that describes the current exception.

### Property Value

A **System.String** containing the error message that describes the current exception.

### Description

This property is read-only.

If the **System.Xml.XmlException.LineNumber** property is not equal to zero, the string returned by this property includes the values of the **System.Xml.XmlException.LineNumber** and **System.Xml.XmlException.LinePosition** properties.

[*Note:* This property overrides **System.Exception.Message**.]