

System.Xml.XmlException Class

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```
[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 rtsspecialname 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

1 XmlException(System.String) Constructor

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

7 Summary

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

10 Parameters

11
12

Parameter	Description
<i>message</i>	A System.String 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.

13
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14 Description

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

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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.

25

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

```
[ILASM]  
public rtspecialname 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 System.String 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 System.Exception 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 System.Int32 that specifies the line number where the error occurred.
<i>linePosition</i>	A System.Int32 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

1 XmlException(System.String, 2 System.Exception) Constructor

```
3 [ILASM]  
4 public rtspecialname specialname instance void .ctor(string  
5 message, class System.Exception innerException)  
  
6 [C#]  
7 public XmlException(string message, Exception  
8 innerException)
```

9 Summary

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

12 Parameters

13
14

Parameter	Description
<i>message</i>	A System.String 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 System.Exception that is the cause of the current exception. If <i>innerException</i> is not a null reference, the current exception was raised in a catch block handling <i>innerException</i> .

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Description

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

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

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

31

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
6 [C#]
7 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.

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1 XmlException.Message Property

```
2 [ILASM]
3 .property string Message { public hidebysig virtual
4 specialname string get_Message() }
5
6 [C#]
7 public override string Message { get; }
```

7 Summary

8 Gets the error message that describes the current exception.

9 Property Value

10

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

13 Description

14 This property is read-only.

15

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

20

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

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