

# System.Xml.XmlParserContext Class

```
[ILASM]
.class public XmlParserContext extends System.Object

[C#]
public class XmlParserContext
```

## 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

Provides all the context information required by instances of the **System.Xml.XmlTextReader** class to parse an XML fragment.

## Inherits From: System.Object

**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.

# XmlParserContext(System.Xml.XmlNameT able, System.Xml.XmlNamespaceManager, System.String, System.Xml.XmlSpace) Constructor

```
[ILASM]
public rtspecialname specialname instance void .ctor(class
System.Xml.XmlNameTable nt, class
System.Xml.XmlNamespaceManager nsMgr, string xmlLang,
valuetype System.Xml.XmlSpace xmlSpace)

[C#]
public XmlParserContext(XmlNameTable nt,
XmlNamespaceManager nsMgr, string xmlLang, XmlSpace
xmlSpace)
```

## Summary

Constructs and initializes a new instance of the **System.Xml.XmlParserContext** class with the specified values.

## Parameters

Parameter	Description
<i>nt</i>	The <b>System.Xml.XmlNameTable</b> to use. If <i>nt</i> is <b>null</b> , this defaults to the <b>System.Xml.XmlNameTable</b> used to construct <i>nsMgr</i> .
<i>nsMgr</i>	The <b>System.Xml.XmlNamespaceManager</b> to use for looking up namespace information.
<i>xmlLang</i>	A <b>System.String</b> specifying the <code>xml:lang</code> scope.
<i>xmlSpace</i>	A <b>System.Xml.XmlSpace</b> value indicating the <code>xml:space</code> scope.

## Description

This method is equivalent to **System.Xml.XmlParserContext**(*nt*, *nsMgr*, **null**, **null**, **null**, **null**, **System.String.Empty**, *xmlLang*, *xmlSpace*, **null**) constructor.

## Exceptions

Exception	Condition
<b>System.Xml.XmlException</b>	<i>nt</i> is not the same <b>System.Xml.XmlNameTable</b> used to construct <i>nsMgr</i> .

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# XmlParserContext(System.Xml.XmlNameTable, System.Xml.XmlNamespaceManager, System.String, System.Xml.XmlSpace, System.Text.Encoding) Constructor

```
[ILASM]
public rtspecialname specialname instance void .ctor(class
System.Xml.XmlNameTable nt, class
System.Xml.XmlNamespaceManager nsMgr, string xmlLang,
valuetype System.Xml.XmlSpace xmlSpace, class
System.Text.Encoding enc)

[C#]
public XmlParserContext(XmlNameTable nt,
XmlNamespaceManager nsMgr, string xmlLang, XmlSpace
xmlSpace, Encoding enc)
```

## Summary

Constructs and initializes a new instance of the **System.Xml.XmlParserContext** class with the specified values.

## Parameters

Parameter	Description
<i>nt</i>	The <b>System.Xml.XmlNameTable</b> to use. If <i>nt</i> is <b>null</b> , this defaults to the <b>System.Xml.XmlNameTable</b> used to construct <i>nsMgr</i> .
<i>nsMgr</i>	The <b>System.Xml.XmlNamespaceManager</b> to use for looking up namespace information.
<i>xmlLang</i>	A <b>System.String</b> specifying the <code>xml:lang</code> scope.
<i>xmlSpace</i>	A <b>System.Xml.XmlSpace</b> value indicating the <code>xml:space</code> scope.
<i>enc</i>	An instance of a class derived from the <b>System.Text.Encoding</b> class indicating the encoding to use.

## Description

This method is equivalent to **System.Xml.XmlParserContext**(*nt*, *nsMgr*, **null**, **null**, **null**, **System.String.Empty**, *xmlLang*, *xmlSpace*, *enc*).

## Exceptions

Exception	Condition
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<b>System.Xml.XmlException</b>	<i>nt</i> is not the same <b>System.Xml.XmlNameTable</b> used to construct <i>nsMgr</i> .
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# XmlParserContext(System.Xml.XmlNameTable, System.Xml.XmlNamespaceManager, System.String, System.String, System.String, System.String, System.Xml.XmlSpace) Constructor

```
[ILASM]
public rtspecialname specialname instance void .ctor(class
System.Xml.XmlNameTable nt, class
System.Xml.XmlNamespaceManager nsMgr, string docTypeName,
string pubId, string sysId, string internalSubset, string
baseURI, string xmlLang, valuetype System.Xml.XmlSpace
xmlSpace)

[C#]
public XmlParserContext(XmlNameTable nt,
XmlNamespaceManager nsMgr, string docTypeName, string
pubId, string sysId, string internalSubset, string baseURI,
string xmlLang, XmlSpace xmlSpace)
```

## Summary

Constructs and initializes a new instance of the **System.Xml.XmlParserContext** class with the specified values.

## Parameters

Parameter	Description
<i>nt</i>	The <b>System.Xml.XmlNameTable</b> to use. If <i>nt</i> is <b>null</b> , this defaults to the <b>System.Xml.XmlNameTable</b> used to construct <i>nsMgr</i> .
<i>nsMgr</i>	The <b>System.Xml.XmlNamespaceManager</b> to use for looking up namespace information.
<i>docTypeName</i>	A <b>System.String</b> specifying the name of the document type declaration.
<i>pubId</i>	A <b>System.String</b> specifying the public identifier.
<i>sysId</i>	A <b>System.String</b> specifying the system identifier.
<i>internalSubset</i>	A <b>System.String</b> specifying the internal DTD subset.
<i>baseURI</i>	A <b>System.String</b> specifying the base URI for the XML fragment (the location from which the fragment was loaded).
<i>xmlLang</i>	A <b>System.String</b> containing the <code>xml:lang</code> scope.
<i>xmlSpace</i>	A <b>System.Xml.XmlSpace</b> value indicating the <code>xml:space</code> scope.

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**Description**

This method is equivalent to **System.Xml.XmlParserContext**(*nt*, *nsMgr*, *docTypeName*, *pubId*, *sysId*, *internalSubset*, *baseUri*, *xmlLang*, *xmlSpace*, **null**).

**Exceptions**

Exception	Condition
<b>System.Xml.XmlException</b>	<i>nt</i> is not the same <b>System.Xml.XmlNameTable</b> used to construct <i>nsMgr</i> .

# XmlParserContext(System.Xml.XmlNameT able, System.Xml.XmlNamespaceManager, System.String, System.String, System.String, System.String, System.Xml.XmlSpace, System.Text.Encoding) Constructor

```
[ILASM]
public rtspecialname specialname instance void .ctor(class
System.Xml.XmlNameTable nt, class
System.Xml.XmlNamespaceManager nsMgr, string docTypeName,
string pubId, string sysId, string internalSubset, string
baseURI, string xmlLang, valuetype System.Xml.XmlSpace
xmlSpace, class System.Text.Encoding enc)

[C#]
public XmlParserContext(XmlNameTable nt,
XmlNamespaceManager nsMgr, string docTypeName, string
pubId, string sysId, string internalSubset, string baseURI,
string xmlLang, XmlSpace xmlSpace, Encoding enc)
```

## Summary

Constructs and initializes a new instance of the **System.Xml.XmlParserContext** class with the specified values.

## Parameters

Parameter	Description
<i>nt</i>	The <b>System.Xml.XmlNameTable</b> to use. If <i>nt</i> is <b>null</b> , this defaults to the <b>System.Xml.XmlNameTable</b> used to construct <i>nsMgr</i> .
<i>nsMgr</i>	The <b>System.Xml.XmlNamespaceManager</b> to use for looking up namespace information.
<i>docTypeName</i>	A <b>System.String</b> specifying the name of the document type declaration.
<i>pubId</i>	A <b>System.String</b> specifying the public identifier.
<i>sysId</i>	A <b>System.String</b> specifying the system identifier.
<i>internalSubset</i>	A <b>System.String</b> specifying the internal DTD subset.
<i>baseURI</i>	A <b>System.String</b> specifying the base URI for the XML fragment (the location from which the fragment was loaded).
<i>xmlLang</i>	A <b>System.String</b> specifying the <code>xml:lang</code> scope.



<i>xmlSpace</i>	A <b>System.Xml.XmlSpace</b> value indicating the <code>xml:space</code> scope.
<i>enc</i>	The <b>System.Text.Encoding</b> to use.

## Description

The constructor sets **System.Xml.XmlParserContext.BaseURI** to *baseURI*, **System.Xml.XmlParserContext.DocTypeName** to *docTypeName*, **System.Xml.XmlParserContext.InternalSubset** to *internalSubset*, **System.Xml.XmlParserContext.PublicId** to *pubId*, **System.Xml.XmlParserContext.SystemId** to *sysId*, and **System.Xml.XmlParserContext.XmlLang** to *xmlLang*. If **null** is passed for any of these parameters, the corresponding property is set to **System.String.Empty**.

[*Note:* The DocumentType (DTD) information stored in this constructor is ignored when an instance of the class is passed to a **System.Xml.XmlTextReader**.]

## Exceptions

Exception	Condition
<b>System.Xml.XmlException</b>	<i>nt</i> is not the same <b>System.Xml.XmlNameTable</b> used to construct <i>nsMgr</i> .

## XmlParserContext.BaseURI Property

[ILASM]

```
.property string BaseURI { public hidebysig specialname  
instance string get_BaseURI() public hidebysig specialname  
instance void set_BaseURI(string value) }
```

[C#]

```
public string BaseURI { get; set; }
```

### Summary

Gets or sets the base URI.

### Property Value

A **System.String** specifying the base URI to use for resolving the DTD file.

### Description

If an attempt is made to set this property to **null**, it is set to **System.String.Empty**.

[*Note:* A networked XML document is comprised of chunks of data aggregated using various W3C standard inclusion mechanisms and therefore may contain nodes that come from different places. The **System.Xml.XmlParserContext.BaseURI** property shows where these nodes originated.]

# 1 XmlParserContext.DocTypeName Property

```
2 [ILASM]
3 .property string DocTypeName { public hidebysig specialname
4 instance string get_DocTypeName() public hidebysig
5 specialname instance void set_DocTypeName(string value) }

6 [C#]
7 public string DocTypeName { get; set; }
```

## 8 Summary

9 Gets or sets the name of the document type in a document type  
10 declaration.

## 11 Property Value

12

13 A **System.String** specifying the name of the document type.

## 14 Description

15 If an attempt is made to set this property to **null**, it is set to  
16 **System.String.Empty**.

17

18 [Note: A document type declaration is of the following form:

19

20 <!DOCTYPE *DocTypeName* PUBLIC "PublicId" "SystemId"  
21 [InternalSubset]>

22

23 This property, along with

24 **System.Xml.XmlParserContext.InternalSubset**,

25 **System.Xml.XmlParserContext.PublicId**, and

26 **System.Xml.XmlParserContext.SystemId** properties, provide all  
27 the document type declaration information.]

28

# 1 XmlParserContext.Encoding Property

```
2 [ILASM]
3 .property class System.Text.Encoding Encoding { public
4 hidebysig specialname instance class System.Text.Encoding
5 get_Encoding() public hidebysig specialname instance void
6 set_Encoding(class System.Text.Encoding value) }

7 [C#]
8 public Encoding Encoding { get; set; }
```

## 9 Summary

10 Gets or sets the encoding type.

## 11 Property Value

12

13 A **System.Text.Encoding** indicating the encoding type.

14

# 1 XmlParserContext.InternalSubset

## 2 Property

```
3 [ILASM]
4 .property string InternalSubset { public hidebysig
5 specialname instance string get_InternalSubset() public
6 hidebysig specialname instance void
7 set_InternalSubset(string value) }

8 [C#]
9 public string InternalSubset { get; set; }
```

### 10 Summary

11 Gets or sets the internal subset in a document type declaration.

### 12 Property Value

13

14 A **System.String** specifying the internal subset.

### 15 Description

16 If an attempt is made to set this property to **null**, it is set to  
17 **System.String.Empty**.

18

19 [Note: A document type declaration is of the following form:

20

21 <!DOCTYPE DocTypeName PUBLIC "PublicId" "SystemId"  
22 [*InternalSubset*] >

23

24 This property, along with

25 **System.Xml.XmlParserContext.DocTypeName**,

26 **System.Xml.XmlParserContext.PublicId**, and

27 **System.Xml.XmlParserContext.SystemId** properties, provide all  
28 the document type declaration information.]

29

# 1 XmlParserContext.NamespaceManager 2 Property

```
3 [ILASM]  
4 .property class System.Xml.XmlNamespaceManager  
5 NamespaceManager { public hidebysig specialname instance  
6 class System.Xml.XmlNamespaceManager get_NamespaceManager()  
7 public hidebysig specialname instance void  
8 set_NamespaceManager(class System.Xml.XmlNamespaceManager  
9 value) }  
10 [C#]  
11 public XmlNamespaceManager NamespaceManager { get; set; }
```

## 12 Summary

13 Gets or sets the **System.Xml.XmlNamespaceManager** used by the  
14 current instance.

## 15 Property Value

17 The **System.Xml.XmlNamespaceManager** used by the current  
18 instance.

## 19 Description

20 [Note: A **System.Xml.XmlNamespaceManager** defines the current  
21 namespace scope and provides methods for looking up namespace  
22 information.]

23

# 1 XmlParserContext.NameTable Property

```
2 [ILASM]
3 .property class System.Xml.XmlNameTable NameTable { public
4 hidebysig specialname instance class
5 System.Xml.XmlNameTable get_NameTable() public hidebysig
6 specialname instance void set_NameTable(class
7 System.Xml.XmlNameTable value) }

8 [C#]
9 public XmlNameTable NameTable { get; set; }
```

## 10 Summary

11 Gets or sets the **System.Xml.XmlNameTable** used by the current  
12 instance to look up prefixes and namespace URIs.

## 13 Property Value

14  
15 The **System.Xml.XmlNameTable** used by the current instance.

16

## XmlParserContext.PublicId Property

```
[ILASM]
.property string PublicId { public hidebysig specialname
instance string get_PublicId() public hidebysig specialname
instance void set_PublicId(string value) }

[C#]
public string PublicId { get; set; }
```

### Summary

Gets or sets the public identifier in a document type declaration.

### Property Value

A **System.String** specifying the public identifier.

### Description

If an attempt is made to set this property to **null**, it is set to **System.String.Empty**.

[*Note:* A document type declaration is of the following form:

```
<!DOCTYPE DocTypeName PUBLIC "PublicId" "SystemId"
[InternalSubset]>
```

This property, along with **System.Xml.XmlParserContext.DocTypeName**, **System.Xml.XmlParserContext.InternalSubset**, and **System.Xml.XmlParserContext.SystemId** properties, provide all the document type declaration information.]



# 1 XmlParserContext.SystemId Property

```
2 [ILASM]
3 .property string SystemId { public hidebysig specialname
4 instance string get_SystemId() public hidebysig specialname
5 instance void set_SystemId(string value) }

6 [C#]
7 public string SystemId { get; set; }
```

## 8 Summary

9 Gets or sets the system identifier in a document type declaration.

## 10 Property Value

11

12 A **System.String** specifying the system identifier.

## 13 Description

14 If an attempt is made to set this property to **null**, it is set to  
15 **System.String.Empty**.

16

17 [Note: A document type declaration is of the following form:

18

19 <!DOCTYPE DocTypeName PUBLIC "PublicId" "SystemId"  
20 [InternalSubset]>

21

22 This property, along with

23 **System.Xml.XmlParserContext.DocTypeName**,

24 **System.Xml.XmlParserContext.InternalSubset**, and

25 **System.Xml.XmlParserContext.PublicId** properties, provide all the  
26 document type declaration information.]

27

# XmlParserContext.XmlLang Property

```
[ILASM]
.property string XmlLang { public hidebysig specialname
instance string get_XmlLang() public hidebysig specialname
instance void set_XmlLang(string value) }

[C#]
public string XmlLang { get; set; }
```

## Summary

Gets or sets the current `xml:lang` scope.

## Property Value

A **System.String** specifying the current `xml:lang` scope. If there is no `xml:lang` in scope, **System.String.Empty** is returned.

## Description

If an attempt is made to set this property to **null**, it is set to **System.String.Empty**.

[*Note:* The language attribute, `xml:lang`, specifies the language in which the content and attribute values of the current element are written.

For details on valid `xml:lang` values, refer to section 2.12 of the W3C Extensible Markup Language (XML) 1.0 recommendation.]

# 1 XmlParserContext.XmlSpace Property

```
2 [ILASM]
3 .property valuetype System.Xml.XmlSpace XmlSpace { public
4 hidebysig specialname instance valuetype
5 System.Xml.XmlSpace get_XmlSpace() public hidebysig
6 specialname instance void set_XmlSpace(valuetype
7 System.Xml.XmlSpace value) }

8 [C#]
9 public XmlSpace XmlSpace { get; set; }
```

## 10 Summary

11 Gets or sets the current `xml:space` scope.

## 12 Property Value

13

14 One of the members of the **System.Xml.XmlSpace** enumeration  
15 indicating the `xml:space` scope.

## 16 Description

17 [Note: The white space attribute, `xml:space`, specifies how white  
18 space is handled in the current element.]

19