| | [**Overview**](http://docs.google.com/overview-summary.html) | [**Package**](http://docs.google.com/package-summary.html) | **Class** | [**Use**](http://docs.google.com/class-use/DOMImplementationLS.html) | [**Tree**](http://docs.google.com/package-tree.html) | [**Deprecated**](http://docs.google.com/deprecated-list.html) | [**Index**](http://docs.google.com/index-files/index-1.html) | [**Help**](http://docs.google.com/help-doc.html) | | --- | --- | --- | --- | --- | --- | --- | --- | | | ***Java™ Platform***  ***Standard Ed. 6*** |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| PREV CLASS   [**NEXT CLASS**](http://docs.google.com/org/w3c/dom/ls/LSException.html) | [**FRAMES**](http://docs.google.com/index.html?org/w3c/dom/ls/DOMImplementationLS.html)    [**NO FRAMES**](http://docs.google.com/DOMImplementationLS.html)     [**All Classes**](http://docs.google.com/allclasses-noframe.html) |
| SUMMARY: NESTED | [FIELD](#3znysh7) | CONSTR | [METHOD](#2et92p0) | DETAIL: [FIELD](#tyjcwt) | CONSTR | [METHOD](#4d34og8) |

## **org.w3c.dom.ls**

Interface DOMImplementationLS

public interface **DOMImplementationLS**

DOMImplementationLS contains the factory methods for creating Load and Save objects.

The expectation is that an instance of the DOMImplementationLS interface can be obtained by using binding-specific casting methods on an instance of the DOMImplementation interface or, if the Document supports the feature "Core" version "3.0" defined in [[DOM Level 3 Core](http://www.w3.org/TR/2004/REC-DOM-Level-3-Core-20040407)] , by using the method DOMImplementation.getFeature with parameter values "LS" (or "LS-Async") and "3.0" (respectively).

See also the [Document Object Model (DOM) Level 3 Load and Save Specification](http://www.w3.org/TR/2004/REC-DOM-Level-3-LS-20040407).

| **Field Summary** | |
| --- | --- |
| static short | [**MODE\_ASYNCHRONOUS**](http://docs.google.com/org/w3c/dom/ls/DOMImplementationLS.html#MODE_ASYNCHRONOUS)            Create an asynchronous LSParser. |
| static short | [**MODE\_SYNCHRONOUS**](http://docs.google.com/org/w3c/dom/ls/DOMImplementationLS.html#MODE_SYNCHRONOUS)            Create a synchronous LSParser. |

| **Method Summary** | |
| --- | --- |
| [LSInput](http://docs.google.com/org/w3c/dom/ls/LSInput.html) | [**createLSInput**](http://docs.google.com/org/w3c/dom/ls/DOMImplementationLS.html#createLSInput())()            Create a new empty input source object where LSInput.characterStream, LSInput.byteStream , LSInput.stringData LSInput.systemId, LSInput.publicId, LSInput.baseURI, and LSInput.encoding are null, and LSInput.certifiedText is false. |
| [LSOutput](http://docs.google.com/org/w3c/dom/ls/LSOutput.html) | [**createLSOutput**](http://docs.google.com/org/w3c/dom/ls/DOMImplementationLS.html#createLSOutput())()            Create a new empty output destination object where LSOutput.characterStream, LSOutput.byteStream, LSOutput.systemId, LSOutput.encoding are null. |
| [LSParser](http://docs.google.com/org/w3c/dom/ls/LSParser.html) | [**createLSParser**](http://docs.google.com/org/w3c/dom/ls/DOMImplementationLS.html#createLSParser(short,%20java.lang.String))(short mode, [String](http://docs.google.com/java/lang/String.html) schemaType)            Create a new LSParser. |
| [LSSerializer](http://docs.google.com/org/w3c/dom/ls/LSSerializer.html) | [**createLSSerializer**](http://docs.google.com/org/w3c/dom/ls/DOMImplementationLS.html#createLSSerializer())()            Create a new LSSerializer object. |

| **Field Detail** |
| --- |

### MODE\_SYNCHRONOUS

static final short **MODE\_SYNCHRONOUS**

Create a synchronous LSParser.

**See Also:**[Constant Field Values](http://docs.google.com/constant-values.html#org.w3c.dom.ls.DOMImplementationLS.MODE_SYNCHRONOUS)

### MODE\_ASYNCHRONOUS

static final short **MODE\_ASYNCHRONOUS**

Create an asynchronous LSParser.

**See Also:**[Constant Field Values](http://docs.google.com/constant-values.html#org.w3c.dom.ls.DOMImplementationLS.MODE_ASYNCHRONOUS)

| **Method Detail** |
| --- |

### createLSParser

[LSParser](http://docs.google.com/org/w3c/dom/ls/LSParser.html) **createLSParser**(short mode,  
 [String](http://docs.google.com/java/lang/String.html) schemaType)  
 throws [DOMException](http://docs.google.com/org/w3c/dom/DOMException.html)

Create a new LSParser. The newly constructed parser may then be configured by means of its DOMConfiguration object, and used to parse documents by means of its parse method.

**Parameters:**mode - The mode argument is either MODE\_SYNCHRONOUS or MODE\_ASYNCHRONOUS, if mode is MODE\_SYNCHRONOUS then the LSParser that is created will operate in synchronous mode, if it's MODE\_ASYNCHRONOUS then the LSParser that is created will operate in asynchronous mode.schemaType - An absolute URI representing the type of the schema language used during the load of a Document using the newly created LSParser. Note that no lexical checking is done on the absolute URI. In order to create a LSParser for any kind of schema types (i.e. the LSParser will be free to use any schema found), use the value null.

**Note:** For W3C XML Schema [[XML Schema Part 1](http://www.w3.org/TR/2001/REC-xmlschema-1-20010502/)] , applications must use the value "http://www.w3.org/2001/XMLSchema". For XML DTD [[XML 1.0](http://www.w3.org/TR/2004/REC-xml-20040204)], applications must use the value "http://www.w3.org/TR/REC-xml". Other Schema languages are outside the scope of the W3C and therefore should recommend an absolute URI in order to use this method.

**Returns:**The newly created LSParser object. This LSParser is either synchronous or asynchronous depending on the value of the mode argument.

**Note:** By default, the newly created LSParser does not contain a DOMErrorHandler, i.e. the value of the " [error-handler](http://www.w3.org/TR/DOM-Level-3-Core/core.html#parameter-error-handler)" configuration parameter is null. However, implementations may provide a default error handler at creation time. In that case, the initial value of the "error-handler" configuration parameter on the new LSParser object contains a reference to the default error handler.

**Throws:** [DOMException](http://docs.google.com/org/w3c/dom/DOMException.html) - NOT\_SUPPORTED\_ERR: Raised if the requested mode or schema type is not supported.

### createLSSerializer

[LSSerializer](http://docs.google.com/org/w3c/dom/ls/LSSerializer.html) **createLSSerializer**()

Create a new LSSerializer object.

**Returns:**The newly created LSSerializer object.

**Note:** By default, the newly created LSSerializer has no DOMErrorHandler, i.e. the value of the "error-handler" configuration parameter is null. However, implementations may provide a default error handler at creation time. In that case, the initial value of the "error-handler" configuration parameter on the new LSSerializer object contains a reference to the default error handler.

### createLSInput

[LSInput](http://docs.google.com/org/w3c/dom/ls/LSInput.html) **createLSInput**()

Create a new empty input source object where LSInput.characterStream, LSInput.byteStream , LSInput.stringData LSInput.systemId, LSInput.publicId, LSInput.baseURI, and LSInput.encoding are null, and LSInput.certifiedText is false.

**Returns:**The newly created input object.

### createLSOutput

[LSOutput](http://docs.google.com/org/w3c/dom/ls/LSOutput.html) **createLSOutput**()

Create a new empty output destination object where LSOutput.characterStream, LSOutput.byteStream, LSOutput.systemId, LSOutput.encoding are null.

**Returns:**The newly created output object.

| | [**Overview**](http://docs.google.com/overview-summary.html) | [**Package**](http://docs.google.com/package-summary.html) | **Class** | [**Use**](http://docs.google.com/class-use/DOMImplementationLS.html) | [**Tree**](http://docs.google.com/package-tree.html) | [**Deprecated**](http://docs.google.com/deprecated-list.html) | [**Index**](http://docs.google.com/index-files/index-1.html) | [**Help**](http://docs.google.com/help-doc.html) | | --- | --- | --- | --- | --- | --- | --- | --- | | | ***Java™ Platform***  ***Standard Ed. 6*** |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| PREV CLASS   [**NEXT CLASS**](http://docs.google.com/org/w3c/dom/ls/LSException.html) | [**FRAMES**](http://docs.google.com/index.html?org/w3c/dom/ls/DOMImplementationLS.html)    [**NO FRAMES**](http://docs.google.com/DOMImplementationLS.html)     [**All Classes**](http://docs.google.com/allclasses-noframe.html) |
| SUMMARY: NESTED | [FIELD](#3znysh7) | CONSTR | [METHOD](#2et92p0) | DETAIL: [FIELD](#tyjcwt) | CONSTR | [METHOD](#4d34og8) |

[Submit a bug or feature](http://bugs.sun.com/services/bugreport/index.jsp)

For further API reference and developer documentation, see [Java SE Developer Documentation](http://docs.google.com/webnotes/devdocs-vs-specs.html). That documentation contains more detailed, developer-targeted descriptions, with conceptual overviews, definitions of terms, workarounds, and working code examples.

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