| | [**Overview**](http://docs.google.com/overview-summary.html) | [**Package**](http://docs.google.com/package-summary.html) | **Class** | [**Use**](http://docs.google.com/class-use/DOMImplementationRegistry.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 | [**FRAMES**](http://docs.google.com/index.html?org/w3c/dom/bootstrap/DOMImplementationRegistry.html)    [**NO FRAMES**](http://docs.google.com/DOMImplementationRegistry.html)     [**All Classes**](http://docs.google.com/allclasses-noframe.html) |
| SUMMARY: NESTED | [FIELD](#3znysh7) | CONSTR | [METHOD](#2et92p0) | DETAIL: [FIELD](#3dy6vkm) | CONSTR | [METHOD](#4d34og8) |

## **org.w3c.dom.bootstrap**

Class DOMImplementationRegistry

[java.lang.Object](http://docs.google.com/java/lang/Object.html)  
 **org.w3c.dom.bootstrap.DOMImplementationRegistry**

public final class **DOMImplementationRegistry**extends [Object](http://docs.google.com/java/lang/Object.html)

A factory that enables applications to obtain instances of DOMImplementation.

Example:

// get an instance of the DOMImplementation registry  
 DOMImplementationRegistry registry =  
 DOMImplementationRegistry.newInstance();  
 // get a DOM implementation the Level 3 XML module  
 DOMImplementation domImpl =  
 registry.getDOMImplementation("XML 3.0");

This provides an application with an implementation-independent starting point. DOM implementations may modify this class to meet new security standards or to provide \*additional\* fallbacks for the list of DOMImplementationSources.

**Since:** DOM Level 3 **See Also:**[DOMImplementation](http://docs.google.com/org/w3c/dom/DOMImplementation.html), [DOMImplementationSource](http://docs.google.com/org/w3c/dom/DOMImplementationSource.html)

| **Field Summary** | |
| --- | --- |
| static [String](http://docs.google.com/java/lang/String.html) | [**PROPERTY**](http://docs.google.com/org/w3c/dom/bootstrap/DOMImplementationRegistry.html#PROPERTY)            The system property to specify the DOMImplementationSource class names. |

| **Method Summary** | |
| --- | --- |
| void | [**addSource**](http://docs.google.com/org/w3c/dom/bootstrap/DOMImplementationRegistry.html#addSource(org.w3c.dom.DOMImplementationSource))([DOMImplementationSource](http://docs.google.com/org/w3c/dom/DOMImplementationSource.html) s)            Register an implementation. |
| [DOMImplementation](http://docs.google.com/org/w3c/dom/DOMImplementation.html) | [**getDOMImplementation**](http://docs.google.com/org/w3c/dom/bootstrap/DOMImplementationRegistry.html#getDOMImplementation(java.lang.String))([String](http://docs.google.com/java/lang/String.html) features)            Return the first implementation that has the desired features, or null if none is found. |
| [DOMImplementationList](http://docs.google.com/org/w3c/dom/DOMImplementationList.html) | [**getDOMImplementationList**](http://docs.google.com/org/w3c/dom/bootstrap/DOMImplementationRegistry.html#getDOMImplementationList(java.lang.String))([String](http://docs.google.com/java/lang/String.html) features)            Return a list of implementations that support the desired features. |
| static [DOMImplementationRegistry](http://docs.google.com/org/w3c/dom/bootstrap/DOMImplementationRegistry.html) | [**newInstance**](http://docs.google.com/org/w3c/dom/bootstrap/DOMImplementationRegistry.html#newInstance())()            Obtain a new instance of a DOMImplementationRegistry. |

| **Methods inherited from class java.lang.**[**Object**](http://docs.google.com/java/lang/Object.html) |
| --- |
| [clone](http://docs.google.com/java/lang/Object.html#clone()), [equals](http://docs.google.com/java/lang/Object.html#equals(java.lang.Object)), [finalize](http://docs.google.com/java/lang/Object.html#finalize()), [getClass](http://docs.google.com/java/lang/Object.html#getClass()), [hashCode](http://docs.google.com/java/lang/Object.html#hashCode()), [notify](http://docs.google.com/java/lang/Object.html#notify()), [notifyAll](http://docs.google.com/java/lang/Object.html#notifyAll()), [toString](http://docs.google.com/java/lang/Object.html#toString()), [wait](http://docs.google.com/java/lang/Object.html#wait()), [wait](http://docs.google.com/java/lang/Object.html#wait(long)), [wait](http://docs.google.com/java/lang/Object.html#wait(long,%20int)) |

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

### PROPERTY

public static final [String](http://docs.google.com/java/lang/String.html) **PROPERTY**

The system property to specify the DOMImplementationSource class names.

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

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

### newInstance

public static [DOMImplementationRegistry](http://docs.google.com/org/w3c/dom/bootstrap/DOMImplementationRegistry.html) **newInstance**()  
 throws [ClassNotFoundException](http://docs.google.com/java/lang/ClassNotFoundException.html),  
 [InstantiationException](http://docs.google.com/java/lang/InstantiationException.html),  
 [IllegalAccessException](http://docs.google.com/java/lang/IllegalAccessException.html),  
 [ClassCastException](http://docs.google.com/java/lang/ClassCastException.html)

Obtain a new instance of a DOMImplementationRegistry. The DOMImplementationRegistry is initialized by the application or the implementation, depending on the context, by first checking the value of the Java system property org.w3c.dom.DOMImplementationSourceList and the the service provider whose contents are at "META\_INF/services/org.w3c.dom.DOMImplementationSourceList" The value of this property is a white-space separated list of names of availables classes implementing the DOMImplementationSource interface. Each class listed in the class name list is instantiated and any exceptions encountered are thrown to the application.

**Returns:**an initialized instance of DOMImplementationRegistry **Throws:** [ClassNotFoundException](http://docs.google.com/java/lang/ClassNotFoundException.html) - If any specified class can not be found [InstantiationException](http://docs.google.com/java/lang/InstantiationException.html) - If any specified class is an interface or abstract class [IllegalAccessException](http://docs.google.com/java/lang/IllegalAccessException.html) - If the default constructor of a specified class is not accessible [ClassCastException](http://docs.google.com/java/lang/ClassCastException.html) - If any specified class does not implement DOMImplementationSource

### getDOMImplementation

public [DOMImplementation](http://docs.google.com/org/w3c/dom/DOMImplementation.html) **getDOMImplementation**([String](http://docs.google.com/java/lang/String.html) features)

Return the first implementation that has the desired features, or null if none is found.

**Parameters:**features - A string that specifies which features are required. This is a space separated list in which each feature is specified by its name optionally followed by a space and a version number. This is something like: "XML 1.0 Traversal +Events 2.0" **Returns:**An implementation that has the desired features, or null if none found.

### getDOMImplementationList

public [DOMImplementationList](http://docs.google.com/org/w3c/dom/DOMImplementationList.html) **getDOMImplementationList**([String](http://docs.google.com/java/lang/String.html) features)

Return a list of implementations that support the desired features.

**Parameters:**features - A string that specifies which features are required. This is a space separated list in which each feature is specified by its name optionally followed by a space and a version number. This is something like: "XML 1.0 Traversal +Events 2.0" **Returns:**A list of DOMImplementations that support the desired features.

### addSource

public void **addSource**([DOMImplementationSource](http://docs.google.com/org/w3c/dom/DOMImplementationSource.html) s)

Register an implementation.

**Parameters:**s - The source to be registered, may not be null

| | [**Overview**](http://docs.google.com/overview-summary.html) | [**Package**](http://docs.google.com/package-summary.html) | **Class** | [**Use**](http://docs.google.com/class-use/DOMImplementationRegistry.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*** |
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[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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