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

## **org.w3c.dom**

Interface DOMImplementation

public interface **DOMImplementation**

The DOMImplementation interface provides a number of methods for performing operations that are independent of any particular instance of the document object model.

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

| **Method Summary** | |
| --- | --- |
| [Document](http://docs.google.com/org/w3c/dom/Document.html) | [**createDocument**](http://docs.google.com/org/w3c/dom/DOMImplementation.html#createDocument(java.lang.String,%20java.lang.String,%20org.w3c.dom.DocumentType))([String](http://docs.google.com/java/lang/String.html) namespaceURI, [String](http://docs.google.com/java/lang/String.html) qualifiedName, [DocumentType](http://docs.google.com/org/w3c/dom/DocumentType.html) doctype)            Creates a DOM Document object of the specified type with its document element. |
| [DocumentType](http://docs.google.com/org/w3c/dom/DocumentType.html) | [**createDocumentType**](http://docs.google.com/org/w3c/dom/DOMImplementation.html#createDocumentType(java.lang.String,%20java.lang.String,%20java.lang.String))([String](http://docs.google.com/java/lang/String.html) qualifiedName, [String](http://docs.google.com/java/lang/String.html) publicId, [String](http://docs.google.com/java/lang/String.html) systemId)            Creates an empty DocumentType node. |
| [Object](http://docs.google.com/java/lang/Object.html) | [**getFeature**](http://docs.google.com/org/w3c/dom/DOMImplementation.html#getFeature(java.lang.String,%20java.lang.String))([String](http://docs.google.com/java/lang/String.html) feature, [String](http://docs.google.com/java/lang/String.html) version)            This method returns a specialized object which implements the specialized APIs of the specified feature and version, as specified in [DOM Features](http://www.w3.org/TR/2004/REC-DOM-Level-3-Core-20040407/core.html#DOMFeatures). |
| boolean | [**hasFeature**](http://docs.google.com/org/w3c/dom/DOMImplementation.html#hasFeature(java.lang.String,%20java.lang.String))([String](http://docs.google.com/java/lang/String.html) feature, [String](http://docs.google.com/java/lang/String.html) version)            Test if the DOM implementation implements a specific feature and version, as specified in [DOM Features](http://www.w3.org/TR/2004/REC-DOM-Level-3-Core-20040407/core.html#DOMFeatures). |

| **Method Detail** |
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### hasFeature

boolean **hasFeature**([String](http://docs.google.com/java/lang/String.html) feature,  
 [String](http://docs.google.com/java/lang/String.html) version)

Test if the DOM implementation implements a specific feature and version, as specified in [DOM Features](http://www.w3.org/TR/2004/REC-DOM-Level-3-Core-20040407/core.html#DOMFeatures).

**Parameters:**feature - The name of the feature to test.version - This is the version number of the feature to test. **Returns:**true if the feature is implemented in the specified version, false otherwise.

### createDocumentType

[DocumentType](http://docs.google.com/org/w3c/dom/DocumentType.html) **createDocumentType**([String](http://docs.google.com/java/lang/String.html) qualifiedName,  
 [String](http://docs.google.com/java/lang/String.html) publicId,  
 [String](http://docs.google.com/java/lang/String.html) systemId)  
 throws [DOMException](http://docs.google.com/org/w3c/dom/DOMException.html)

Creates an empty DocumentType node. Entity declarations and notations are not made available. Entity reference expansions and default attribute additions do not occur..

**Parameters:**qualifiedName - The qualified name of the document type to be created.publicId - The external subset public identifier.systemId - The external subset system identifier. **Returns:**A new DocumentType node with Node.ownerDocument set to null. **Throws:** [DOMException](http://docs.google.com/org/w3c/dom/DOMException.html) - INVALID\_CHARACTER\_ERR: Raised if the specified qualified name is not an XML name according to [[XML 1.0](http://www.w3.org/TR/2004/REC-xml-20040204)].

NAMESPACE\_ERR: Raised if the qualifiedName is malformed.

NOT\_SUPPORTED\_ERR: May be raised if the implementation does not support the feature "XML" and the language exposed through the Document does not support XML Namespaces (such as [[HTML 4.01](http://www.w3.org/TR/1999/REC-html401-19991224/)]).**Since:** DOM Level 2

### createDocument

[Document](http://docs.google.com/org/w3c/dom/Document.html) **createDocument**([String](http://docs.google.com/java/lang/String.html) namespaceURI,  
 [String](http://docs.google.com/java/lang/String.html) qualifiedName,  
 [DocumentType](http://docs.google.com/org/w3c/dom/DocumentType.html) doctype)  
 throws [DOMException](http://docs.google.com/org/w3c/dom/DOMException.html)

Creates a DOM Document object of the specified type with its document element.

Note that based on the DocumentType given to create the document, the implementation may instantiate specialized Document objects that support additional features than the "Core", such as "HTML" [[DOM Level 2 HTML](http://www.w3.org/TR/2003/REC-DOM-Level-2-HTML-20030109)] . On the other hand, setting the DocumentType after the document was created makes this very unlikely to happen. Alternatively, specialized Document creation methods, such as createHTMLDocument [[DOM Level 2 HTML](http://www.w3.org/TR/2003/REC-DOM-Level-2-HTML-20030109)] , can be used to obtain specific types of Document objects.

**Parameters:**namespaceURI - The namespace URI of the document element to create or null.qualifiedName - The qualified name of the document element to be created or null.doctype - The type of document to be created or null. When doctype is not null, its Node.ownerDocument attribute is set to the document being created. **Returns:**A new Document object with its document element. If the NamespaceURI, qualifiedName, and doctype are null, the returned Document is empty with no document element. **Throws:** [DOMException](http://docs.google.com/org/w3c/dom/DOMException.html) - INVALID\_CHARACTER\_ERR: Raised if the specified qualified name is not an XML name according to [[XML 1.0](http://www.w3.org/TR/2004/REC-xml-20040204)].

NAMESPACE\_ERR: Raised if the qualifiedName is malformed, if the qualifiedName has a prefix and the namespaceURI is null, or if the qualifiedName is null and the namespaceURI is different from null, or if the qualifiedName has a prefix that is "xml" and the namespaceURI is different from "<http://www.w3.org/XML/1998/namespace>" [[XML Namespaces](http://www.w3.org/TR/1999/REC-xml-names-19990114/)] , or if the DOM implementation does not support the "XML" feature but a non-null namespace URI was provided, since namespaces were defined by XML.

WRONG\_DOCUMENT\_ERR: Raised if doctype has already been used with a different document or was created from a different implementation.

NOT\_SUPPORTED\_ERR: May be raised if the implementation does not support the feature "XML" and the language exposed through the Document does not support XML Namespaces (such as [[HTML 4.01](http://www.w3.org/TR/1999/REC-html401-19991224/)]).**Since:** DOM Level 2

### getFeature

[Object](http://docs.google.com/java/lang/Object.html) **getFeature**([String](http://docs.google.com/java/lang/String.html) feature,  
 [String](http://docs.google.com/java/lang/String.html) version)

This method returns a specialized object which implements the specialized APIs of the specified feature and version, as specified in [DOM Features](http://www.w3.org/TR/2004/REC-DOM-Level-3-Core-20040407/core.html#DOMFeatures). The specialized object may also be obtained by using binding-specific casting methods but is not necessarily expected to, as discussed in . This method also allow the implementation to provide specialized objects which do not support the DOMImplementation interface.

**Parameters:**feature - The name of the feature requested. Note that any plus sign "+" prepended to the name of the feature will be ignored since it is not significant in the context of this method.version - This is the version number of the feature to test. **Returns:**Returns an object which implements the specialized APIs of the specified feature and version, if any, or null if there is no object which implements interfaces associated with that feature. If the DOMObject returned by this method implements the DOMImplementation interface, it must delegate to the primary core DOMImplementation and not return results inconsistent with the primary core DOMImplementation such as hasFeature, getFeature, etc.**Since:** DOM Level 3

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

[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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