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

## **javax.xml.parsers**

Class DocumentBuilder

[java.lang.Object](http://docs.google.com/java/lang/Object.html)  
 **javax.xml.parsers.DocumentBuilder**

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

Defines the API to obtain DOM Document instances from an XML document. Using this class, an application programmer can obtain a [Document](http://docs.google.com/org/w3c/dom/Document.html) from XML.

An instance of this class can be obtained from the [DocumentBuilderFactory.newDocumentBuilder()](http://docs.google.com/javax/xml/parsers/DocumentBuilderFactory.html#newDocumentBuilder()) method. Once an instance of this class is obtained, XML can be parsed from a variety of input sources. These input sources are InputStreams, Files, URLs, and SAX InputSources.

Note that this class reuses several classes from the SAX API. This does not require that the implementor of the underlying DOM implementation use a SAX parser to parse XML document into a Document. It merely requires that the implementation communicate with the application using these existing APIs.

| **Constructor Summary** | |
| --- | --- |
| protected | [**DocumentBuilder**](http://docs.google.com/javax/xml/parsers/DocumentBuilder.html#DocumentBuilder())()            Protected constructor |

| **Method Summary** | |
| --- | --- |
| abstract  [DOMImplementation](http://docs.google.com/org/w3c/dom/DOMImplementation.html) | [**getDOMImplementation**](http://docs.google.com/javax/xml/parsers/DocumentBuilder.html#getDOMImplementation())()            Obtain an instance of a [DOMImplementation](http://docs.google.com/org/w3c/dom/DOMImplementation.html) object. |
| [Schema](http://docs.google.com/javax/xml/validation/Schema.html) | [**getSchema**](http://docs.google.com/javax/xml/parsers/DocumentBuilder.html#getSchema())()            Get a reference to the the [Schema](http://docs.google.com/javax/xml/validation/Schema.html) being used by the XML processor. |
| abstract  boolean | [**isNamespaceAware**](http://docs.google.com/javax/xml/parsers/DocumentBuilder.html#isNamespaceAware())()            Indicates whether or not this parser is configured to understand namespaces. |
| abstract  boolean | [**isValidating**](http://docs.google.com/javax/xml/parsers/DocumentBuilder.html#isValidating())()            Indicates whether or not this parser is configured to validate XML documents. |
| boolean | [**isXIncludeAware**](http://docs.google.com/javax/xml/parsers/DocumentBuilder.html#isXIncludeAware())()            Get the XInclude processing mode for this parser. |
| abstract  [Document](http://docs.google.com/org/w3c/dom/Document.html) | [**newDocument**](http://docs.google.com/javax/xml/parsers/DocumentBuilder.html#newDocument())()            Obtain a new instance of a DOM [Document](http://docs.google.com/org/w3c/dom/Document.html) object to build a DOM tree with. |
| [Document](http://docs.google.com/org/w3c/dom/Document.html) | [**parse**](http://docs.google.com/javax/xml/parsers/DocumentBuilder.html#parse(java.io.File))([File](http://docs.google.com/java/io/File.html) f)            Parse the content of the given file as an XML document and return a new DOM [Document](http://docs.google.com/org/w3c/dom/Document.html) object. |
| abstract  [Document](http://docs.google.com/org/w3c/dom/Document.html) | [**parse**](http://docs.google.com/javax/xml/parsers/DocumentBuilder.html#parse(org.xml.sax.InputSource))([InputSource](http://docs.google.com/org/xml/sax/InputSource.html) is)            Parse the content of the given input source as an XML document and return a new DOM [Document](http://docs.google.com/org/w3c/dom/Document.html) object. |
| [Document](http://docs.google.com/org/w3c/dom/Document.html) | [**parse**](http://docs.google.com/javax/xml/parsers/DocumentBuilder.html#parse(java.io.InputStream))([InputStream](http://docs.google.com/java/io/InputStream.html) is)            Parse the content of the given InputStream as an XML document and return a new DOM [Document](http://docs.google.com/org/w3c/dom/Document.html) object. |
| [Document](http://docs.google.com/org/w3c/dom/Document.html) | [**parse**](http://docs.google.com/javax/xml/parsers/DocumentBuilder.html#parse(java.io.InputStream,%20java.lang.String))([InputStream](http://docs.google.com/java/io/InputStream.html) is, [String](http://docs.google.com/java/lang/String.html) systemId)            Parse the content of the given InputStream as an XML document and return a new DOM [Document](http://docs.google.com/org/w3c/dom/Document.html) object. |
| [Document](http://docs.google.com/org/w3c/dom/Document.html) | [**parse**](http://docs.google.com/javax/xml/parsers/DocumentBuilder.html#parse(java.lang.String))([String](http://docs.google.com/java/lang/String.html) uri)            Parse the content of the given URI as an XML document and return a new DOM [Document](http://docs.google.com/org/w3c/dom/Document.html) object. |
| void | [**reset**](http://docs.google.com/javax/xml/parsers/DocumentBuilder.html#reset())()            Reset this DocumentBuilder to its original configuration. |
| abstract  void | [**setEntityResolver**](http://docs.google.com/javax/xml/parsers/DocumentBuilder.html#setEntityResolver(org.xml.sax.EntityResolver))([EntityResolver](http://docs.google.com/org/xml/sax/EntityResolver.html) er)            Specify the [EntityResolver](http://docs.google.com/org/xml/sax/EntityResolver.html) to be used to resolve entities present in the XML document to be parsed. |
| abstract  void | [**setErrorHandler**](http://docs.google.com/javax/xml/parsers/DocumentBuilder.html#setErrorHandler(org.xml.sax.ErrorHandler))([ErrorHandler](http://docs.google.com/org/xml/sax/ErrorHandler.html) eh)            Specify the [ErrorHandler](http://docs.google.com/org/xml/sax/ErrorHandler.html) to be used by the parser. |

| **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)) |

| **Constructor Detail** |
| --- |

### DocumentBuilder

protected **DocumentBuilder**()

Protected constructor

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

### reset

public void **reset**()

Reset this DocumentBuilder to its original configuration.

DocumentBuilder is reset to the same state as when it was created with [DocumentBuilderFactory.newDocumentBuilder()](http://docs.google.com/javax/xml/parsers/DocumentBuilderFactory.html#newDocumentBuilder()). reset() is designed to allow the reuse of existing DocumentBuilders thus saving resources associated with the creation of new DocumentBuilders.

The reset DocumentBuilder is not guaranteed to have the same [EntityResolver](http://docs.google.com/org/xml/sax/EntityResolver.html) or [ErrorHandler](http://docs.google.com/org/xml/sax/ErrorHandler.html) Objects, e.g. [Object.equals(Object obj)](http://docs.google.com/java/lang/Object.html#equals(java.lang.Object)). It is guaranteed to have a functionally equal EntityResolver and ErrorHandler.

**Throws:** [UnsupportedOperationException](http://docs.google.com/java/lang/UnsupportedOperationException.html) - When implementation does not override this method.**Since:** 1.5

### parse

public [Document](http://docs.google.com/org/w3c/dom/Document.html) **parse**([InputStream](http://docs.google.com/java/io/InputStream.html) is)  
 throws [SAXException](http://docs.google.com/org/xml/sax/SAXException.html),  
 [IOException](http://docs.google.com/java/io/IOException.html)

Parse the content of the given InputStream as an XML document and return a new DOM [Document](http://docs.google.com/org/w3c/dom/Document.html) object. An IllegalArgumentException is thrown if the InputStream is null.

**Parameters:**is - InputStream containing the content to be parsed. **Returns:**Document result of parsing the InputStream **Throws:** [IOException](http://docs.google.com/java/io/IOException.html) - If any IO errors occur. [SAXException](http://docs.google.com/org/xml/sax/SAXException.html) - If any parse errors occur. [IllegalArgumentException](http://docs.google.com/java/lang/IllegalArgumentException.html) - When is is null**See Also:**[DocumentHandler](http://docs.google.com/org/xml/sax/DocumentHandler.html)

### parse

public [Document](http://docs.google.com/org/w3c/dom/Document.html) **parse**([InputStream](http://docs.google.com/java/io/InputStream.html) is,  
 [String](http://docs.google.com/java/lang/String.html) systemId)  
 throws [SAXException](http://docs.google.com/org/xml/sax/SAXException.html),  
 [IOException](http://docs.google.com/java/io/IOException.html)

Parse the content of the given InputStream as an XML document and return a new DOM [Document](http://docs.google.com/org/w3c/dom/Document.html) object. An IllegalArgumentException is thrown if the InputStream is null.

**Parameters:**is - InputStream containing the content to be parsed.systemId - Provide a base for resolving relative URIs. **Returns:**A new DOM Document object. **Throws:** [IOException](http://docs.google.com/java/io/IOException.html) - If any IO errors occur. [SAXException](http://docs.google.com/org/xml/sax/SAXException.html) - If any parse errors occur. [IllegalArgumentException](http://docs.google.com/java/lang/IllegalArgumentException.html) - When is is null**See Also:**[DocumentHandler](http://docs.google.com/org/xml/sax/DocumentHandler.html)

### parse

public [Document](http://docs.google.com/org/w3c/dom/Document.html) **parse**([String](http://docs.google.com/java/lang/String.html) uri)  
 throws [SAXException](http://docs.google.com/org/xml/sax/SAXException.html),  
 [IOException](http://docs.google.com/java/io/IOException.html)

Parse the content of the given URI as an XML document and return a new DOM [Document](http://docs.google.com/org/w3c/dom/Document.html) object. An IllegalArgumentException is thrown if the URI is null null.

**Parameters:**uri - The location of the content to be parsed. **Returns:**A new DOM Document object. **Throws:** [IOException](http://docs.google.com/java/io/IOException.html) - If any IO errors occur. [SAXException](http://docs.google.com/org/xml/sax/SAXException.html) - If any parse errors occur. [IllegalArgumentException](http://docs.google.com/java/lang/IllegalArgumentException.html) - When uri is null**See Also:**[DocumentHandler](http://docs.google.com/org/xml/sax/DocumentHandler.html)

### parse

public [Document](http://docs.google.com/org/w3c/dom/Document.html) **parse**([File](http://docs.google.com/java/io/File.html) f)  
 throws [SAXException](http://docs.google.com/org/xml/sax/SAXException.html),  
 [IOException](http://docs.google.com/java/io/IOException.html)

Parse the content of the given file as an XML document and return a new DOM [Document](http://docs.google.com/org/w3c/dom/Document.html) object. An IllegalArgumentException is thrown if the File is null null.

**Parameters:**f - The file containing the XML to parse. **Returns:**A new DOM Document object. **Throws:** [IOException](http://docs.google.com/java/io/IOException.html) - If any IO errors occur. [SAXException](http://docs.google.com/org/xml/sax/SAXException.html) - If any parse errors occur. [IllegalArgumentException](http://docs.google.com/java/lang/IllegalArgumentException.html) - When f is null**See Also:**[DocumentHandler](http://docs.google.com/org/xml/sax/DocumentHandler.html)

### parse

public abstract [Document](http://docs.google.com/org/w3c/dom/Document.html) **parse**([InputSource](http://docs.google.com/org/xml/sax/InputSource.html) is)  
 throws [SAXException](http://docs.google.com/org/xml/sax/SAXException.html),  
 [IOException](http://docs.google.com/java/io/IOException.html)

Parse the content of the given input source as an XML document and return a new DOM [Document](http://docs.google.com/org/w3c/dom/Document.html) object. An IllegalArgumentException is thrown if the InputSource is null null.

**Parameters:**is - InputSource containing the content to be parsed. **Returns:**A new DOM Document object. **Throws:** [IOException](http://docs.google.com/java/io/IOException.html) - If any IO errors occur. [SAXException](http://docs.google.com/org/xml/sax/SAXException.html) - If any parse errors occur. [IllegalArgumentException](http://docs.google.com/java/lang/IllegalArgumentException.html) - When is is null**See Also:**[DocumentHandler](http://docs.google.com/org/xml/sax/DocumentHandler.html)

### isNamespaceAware

public abstract boolean **isNamespaceAware**()

Indicates whether or not this parser is configured to understand namespaces.

**Returns:**true if this parser is configured to understand namespaces; false otherwise.

### isValidating

public abstract boolean **isValidating**()

Indicates whether or not this parser is configured to validate XML documents.

**Returns:**true if this parser is configured to validate XML documents; false otherwise.

### setEntityResolver

public abstract void **setEntityResolver**([EntityResolver](http://docs.google.com/org/xml/sax/EntityResolver.html) er)

Specify the [EntityResolver](http://docs.google.com/org/xml/sax/EntityResolver.html) to be used to resolve entities present in the XML document to be parsed. Setting this to null will result in the underlying implementation using it's own default implementation and behavior.

**Parameters:**er - The EntityResolver to be used to resolve entities present in the XML document to be parsed.

### setErrorHandler

public abstract void **setErrorHandler**([ErrorHandler](http://docs.google.com/org/xml/sax/ErrorHandler.html) eh)

Specify the [ErrorHandler](http://docs.google.com/org/xml/sax/ErrorHandler.html) to be used by the parser. Setting this to null will result in the underlying implementation using it's own default implementation and behavior.

**Parameters:**eh - The ErrorHandler to be used by the parser.

### newDocument

public abstract [Document](http://docs.google.com/org/w3c/dom/Document.html) **newDocument**()

Obtain a new instance of a DOM [Document](http://docs.google.com/org/w3c/dom/Document.html) object to build a DOM tree with.

**Returns:**A new instance of a DOM Document object.

### getDOMImplementation

public abstract [DOMImplementation](http://docs.google.com/org/w3c/dom/DOMImplementation.html) **getDOMImplementation**()

Obtain an instance of a [DOMImplementation](http://docs.google.com/org/w3c/dom/DOMImplementation.html) object.

**Returns:**A new instance of a DOMImplementation.

### getSchema

public [Schema](http://docs.google.com/javax/xml/validation/Schema.html) **getSchema**()

Get a reference to the the [Schema](http://docs.google.com/javax/xml/validation/Schema.html) being used by the XML processor.

If no schema is being used, null is returned.

**Returns:**[Schema](http://docs.google.com/javax/xml/validation/Schema.html) being used or null if none in use **Throws:** [UnsupportedOperationException](http://docs.google.com/java/lang/UnsupportedOperationException.html) - When implementation does not override this method**Since:** 1.5

### isXIncludeAware

public boolean **isXIncludeAware**()

Get the XInclude processing mode for this parser.

**Returns:**the return value of the [DocumentBuilderFactory.isXIncludeAware()](http://docs.google.com/javax/xml/parsers/DocumentBuilderFactory.html#isXIncludeAware()) when this parser was created from factory. **Throws:** [UnsupportedOperationException](http://docs.google.com/java/lang/UnsupportedOperationException.html) - When implementation does not override this method**Since:** 1.5 **See Also:**[DocumentBuilderFactory.setXIncludeAware(boolean)](http://docs.google.com/javax/xml/parsers/DocumentBuilderFactory.html#setXIncludeAware(boolean))

| | [**Overview**](http://docs.google.com/overview-summary.html) | [**Package**](http://docs.google.com/package-summary.html) | **Class** | [**Use**](http://docs.google.com/class-use/DocumentBuilder.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/javax/xml/parsers/DocumentBuilderFactory.html) | [**FRAMES**](http://docs.google.com/index.html?javax/xml/parsers/DocumentBuilder.html)    [**NO FRAMES**](http://docs.google.com/DocumentBuilder.html)     [**All Classes**](http://docs.google.com/allclasses-noframe.html) |
| SUMMARY: NESTED | FIELD | [CONSTR](#3znysh7) | [METHOD](#2et92p0) | DETAIL: FIELD | [CONSTR](#3dy6vkm) | [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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