| | [**Overview**](http://docs.google.com/overview-summary.html) | **Package** | Class | [**Use**](http://docs.google.com/package-use.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 PACKAGE**](http://docs.google.com/javax/xml/transform/package-summary.html)   [**NEXT PACKAGE**](http://docs.google.com/javax/xml/transform/sax/package-summary.html) | [**FRAMES**](http://docs.google.com/index.html?javax/xml/transform/dom/package-summary.html)    [**NO FRAMES**](http://docs.google.com/package-summary.html)     [**All Classes**](http://docs.google.com/allclasses-noframe.html) |

## Package javax.xml.transform.dom

This package implements DOM-specific transformation APIs.

**See:**

[**Description**](#3znysh7)

| **Interface Summary** | |
| --- | --- |
| [**DOMLocator**](http://docs.google.com/javax/xml/transform/dom/DOMLocator.html) | Indicates the position of a node in a source DOM, intended primarily for error reporting. |

| **Class Summary** | |
| --- | --- |
| [**DOMResult**](http://docs.google.com/javax/xml/transform/dom/DOMResult.html) | Acts as a holder for a transformation result tree in the form of a Document Object Model (DOM) tree. |
| [**DOMSource**](http://docs.google.com/javax/xml/transform/dom/DOMSource.html) | Acts as a holder for a transformation Source tree in the form of a Document Object Model (DOM) tree. |

## Package javax.xml.transform.dom Description

This package implements DOM-specific transformation APIs.

The [DOMSource](http://docs.google.com/javax/xml/transform/dom/DOMSource.html) class allows the client of the implementation of this API to specify a DOM [Node](http://docs.google.com/org/w3c/dom/Node.html) as the source of the input tree. The model of how the Transformer deals with the DOM tree in terms of mismatches with the [XSLT data model](http://www.w3.org/TR/xslt#data-model) or other data models is beyond the scope of this document. Any of the nodes derived from [Node](http://docs.google.com/org/w3c/dom/Node.html) are legal input.

The [DOMResult](http://docs.google.com/javax/xml/transform/dom/DOMResult.html) class allows a [Node](http://docs.google.com/org/w3c/dom/Node.html) to be specified to which result DOM nodes will be appended. If an output node is not specified, the transformer will use [DocumentBuilder.newDocument()](http://docs.google.com/javax/xml/parsers/DocumentBuilder.html#newDocument()) to create an output [Document](http://docs.google.com/org/w3c/dom/Document.html) node. If a node is specified, it should be one of the following: [Document](http://docs.google.com/org/w3c/dom/Document.html), [Element](http://docs.google.com/org/w3c/dom/Element.html), or [DocumentFragment](http://docs.google.com/org/w3c/dom/DocumentFragment.html). Specification of any other node type is implementation dependent and undefined by this API. If the result is a [Document](http://docs.google.com/org/w3c/dom/Document.html), the output of the transformation must have a single element root to set as the document element.

The [DOMLocator](http://docs.google.com/javax/xml/transform/dom/DOMLocator.html) node may be passed to [TransformerException](http://docs.google.com/javax/xml/transform/TransformerException.html) objects, and retrieved by trying to cast the result of the [TransformerException.getLocator()](http://docs.google.com/javax/xml/transform/TransformerException.html#getLocator()) method. The implementation has no responsibility to use a DOMLocator instead of a [SourceLocator](http://docs.google.com/javax/xml/transform/SourceLocator.html) (though line numbers and the like do not make much sense for a DOM), so the result of getLocator must always be tested with an instanceof.

| | [**Overview**](http://docs.google.com/overview-summary.html) | **Package** | Class | [**Use**](http://docs.google.com/package-use.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 PACKAGE**](http://docs.google.com/javax/xml/transform/package-summary.html)   [**NEXT PACKAGE**](http://docs.google.com/javax/xml/transform/sax/package-summary.html) | [**FRAMES**](http://docs.google.com/index.html?javax/xml/transform/dom/package-summary.html)    [**NO FRAMES**](http://docs.google.com/package-summary.html)     [**All Classes**](http://docs.google.com/allclasses-noframe.html) |

[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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