| | [**Overview**](http://docs.google.com/overview-summary.html) | [**Package**](http://docs.google.com/package-summary.html) | **Class** | [**Use**](http://docs.google.com/class-use/DTD.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/javax/swing/text/html/parser/DocumentParser.html)   [**NEXT CLASS**](http://docs.google.com/javax/swing/text/html/parser/DTDConstants.html) | [**FRAMES**](http://docs.google.com/index.html?javax/swing/text/html/parser/DTD.html)    [**NO FRAMES**](http://docs.google.com/DTD.html)     [**All Classes**](http://docs.google.com/allclasses-noframe.html) |
| SUMMARY: NESTED | [FIELD](#3znysh7) | [CONSTR](#tyjcwt) | [METHOD](#3dy6vkm) | DETAIL: [FIELD](#4d34og8) | [CONSTR](#2bn6wsx) | [METHOD](#3as4poj) |

## **javax.swing.text.html.parser**

Class DTD

[java.lang.Object](http://docs.google.com/java/lang/Object.html)  
 **javax.swing.text.html.parser.DTD**

**All Implemented Interfaces:** [DTDConstants](http://docs.google.com/javax/swing/text/html/parser/DTDConstants.html)

public class **DTD**extends [Object](http://docs.google.com/java/lang/Object.html)implements [DTDConstants](http://docs.google.com/javax/swing/text/html/parser/DTDConstants.html)

The representation of an SGML DTD. DTD describes a document syntax and is used in parsing of HTML documents. It contains a list of elements and their attributes as well as a list of entities defined in the DTD.

**See Also:**[Element](http://docs.google.com/javax/swing/text/html/parser/Element.html), [AttributeList](http://docs.google.com/javax/swing/text/html/parser/AttributeList.html), [ContentModel](http://docs.google.com/javax/swing/text/html/parser/ContentModel.html), [Parser](http://docs.google.com/javax/swing/text/html/parser/Parser.html)

| **Field Summary** | |
| --- | --- |
| [Element](http://docs.google.com/javax/swing/text/html/parser/Element.html) | [**applet**](http://docs.google.com/javax/swing/text/html/parser/DTD.html#applet) |
| [Element](http://docs.google.com/javax/swing/text/html/parser/Element.html) | [**base**](http://docs.google.com/javax/swing/text/html/parser/DTD.html#base) |
| [Element](http://docs.google.com/javax/swing/text/html/parser/Element.html) | [**body**](http://docs.google.com/javax/swing/text/html/parser/DTD.html#body) |
| [Hashtable](http://docs.google.com/java/util/Hashtable.html)<[String](http://docs.google.com/java/lang/String.html),[Element](http://docs.google.com/javax/swing/text/html/parser/Element.html)> | [**elementHash**](http://docs.google.com/javax/swing/text/html/parser/DTD.html#elementHash) |
| [Vector](http://docs.google.com/java/util/Vector.html)<[Element](http://docs.google.com/javax/swing/text/html/parser/Element.html)> | [**elements**](http://docs.google.com/javax/swing/text/html/parser/DTD.html#elements) |
| [Hashtable](http://docs.google.com/java/util/Hashtable.html)<[Object](http://docs.google.com/java/lang/Object.html),[Entity](http://docs.google.com/javax/swing/text/html/parser/Entity.html)> | [**entityHash**](http://docs.google.com/javax/swing/text/html/parser/DTD.html#entityHash) |
| static int | [**FILE\_VERSION**](http://docs.google.com/javax/swing/text/html/parser/DTD.html#FILE_VERSION) |
| [Element](http://docs.google.com/javax/swing/text/html/parser/Element.html) | [**head**](http://docs.google.com/javax/swing/text/html/parser/DTD.html#head) |
| [Element](http://docs.google.com/javax/swing/text/html/parser/Element.html) | [**html**](http://docs.google.com/javax/swing/text/html/parser/DTD.html#html) |
| [Element](http://docs.google.com/javax/swing/text/html/parser/Element.html) | [**isindex**](http://docs.google.com/javax/swing/text/html/parser/DTD.html#isindex) |
| [Element](http://docs.google.com/javax/swing/text/html/parser/Element.html) | [**meta**](http://docs.google.com/javax/swing/text/html/parser/DTD.html#meta) |
| [String](http://docs.google.com/java/lang/String.html) | [**name**](http://docs.google.com/javax/swing/text/html/parser/DTD.html#name) |
| [Element](http://docs.google.com/javax/swing/text/html/parser/Element.html) | [**p**](http://docs.google.com/javax/swing/text/html/parser/DTD.html#p) |
| [Element](http://docs.google.com/javax/swing/text/html/parser/Element.html) | [**param**](http://docs.google.com/javax/swing/text/html/parser/DTD.html#param) |
| [Element](http://docs.google.com/javax/swing/text/html/parser/Element.html) | [**pcdata**](http://docs.google.com/javax/swing/text/html/parser/DTD.html#pcdata) |
| [Element](http://docs.google.com/javax/swing/text/html/parser/Element.html) | [**title**](http://docs.google.com/javax/swing/text/html/parser/DTD.html#title) |

| **Fields inherited from interface javax.swing.text.html.parser.**[**DTDConstants**](http://docs.google.com/javax/swing/text/html/parser/DTDConstants.html) |
| --- |
| [ANY](http://docs.google.com/javax/swing/text/html/parser/DTDConstants.html#ANY), [CDATA](http://docs.google.com/javax/swing/text/html/parser/DTDConstants.html#CDATA), [CONREF](http://docs.google.com/javax/swing/text/html/parser/DTDConstants.html#CONREF), [CURRENT](http://docs.google.com/javax/swing/text/html/parser/DTDConstants.html#CURRENT), [DEFAULT](http://docs.google.com/javax/swing/text/html/parser/DTDConstants.html#DEFAULT), [EMPTY](http://docs.google.com/javax/swing/text/html/parser/DTDConstants.html#EMPTY), [ENDTAG](http://docs.google.com/javax/swing/text/html/parser/DTDConstants.html#ENDTAG), [ENTITIES](http://docs.google.com/javax/swing/text/html/parser/DTDConstants.html#ENTITIES), [ENTITY](http://docs.google.com/javax/swing/text/html/parser/DTDConstants.html#ENTITY), [FIXED](http://docs.google.com/javax/swing/text/html/parser/DTDConstants.html#FIXED), [GENERAL](http://docs.google.com/javax/swing/text/html/parser/DTDConstants.html#GENERAL), [ID](http://docs.google.com/javax/swing/text/html/parser/DTDConstants.html#ID), [IDREF](http://docs.google.com/javax/swing/text/html/parser/DTDConstants.html#IDREF), [IDREFS](http://docs.google.com/javax/swing/text/html/parser/DTDConstants.html#IDREFS), [IMPLIED](http://docs.google.com/javax/swing/text/html/parser/DTDConstants.html#IMPLIED), [MD](http://docs.google.com/javax/swing/text/html/parser/DTDConstants.html#MD), [MODEL](http://docs.google.com/javax/swing/text/html/parser/DTDConstants.html#MODEL), [MS](http://docs.google.com/javax/swing/text/html/parser/DTDConstants.html#MS), [NAME](http://docs.google.com/javax/swing/text/html/parser/DTDConstants.html#NAME), [NAMES](http://docs.google.com/javax/swing/text/html/parser/DTDConstants.html#NAMES), [NMTOKEN](http://docs.google.com/javax/swing/text/html/parser/DTDConstants.html#NMTOKEN), [NMTOKENS](http://docs.google.com/javax/swing/text/html/parser/DTDConstants.html#NMTOKENS), [NOTATION](http://docs.google.com/javax/swing/text/html/parser/DTDConstants.html#NOTATION), [NUMBER](http://docs.google.com/javax/swing/text/html/parser/DTDConstants.html#NUMBER), [NUMBERS](http://docs.google.com/javax/swing/text/html/parser/DTDConstants.html#NUMBERS), [NUTOKEN](http://docs.google.com/javax/swing/text/html/parser/DTDConstants.html#NUTOKEN), [NUTOKENS](http://docs.google.com/javax/swing/text/html/parser/DTDConstants.html#NUTOKENS), [PARAMETER](http://docs.google.com/javax/swing/text/html/parser/DTDConstants.html#PARAMETER), [PI](http://docs.google.com/javax/swing/text/html/parser/DTDConstants.html#PI), [PUBLIC](http://docs.google.com/javax/swing/text/html/parser/DTDConstants.html#PUBLIC), [RCDATA](http://docs.google.com/javax/swing/text/html/parser/DTDConstants.html#RCDATA), [REQUIRED](http://docs.google.com/javax/swing/text/html/parser/DTDConstants.html#REQUIRED), [SDATA](http://docs.google.com/javax/swing/text/html/parser/DTDConstants.html#SDATA), [STARTTAG](http://docs.google.com/javax/swing/text/html/parser/DTDConstants.html#STARTTAG), [SYSTEM](http://docs.google.com/javax/swing/text/html/parser/DTDConstants.html#SYSTEM) |

| **Constructor Summary** | |
| --- | --- |
| protected | [**DTD**](http://docs.google.com/javax/swing/text/html/parser/DTD.html#DTD(java.lang.String))([String](http://docs.google.com/java/lang/String.html) name)            Creates a new DTD with the specified name. |

| **Method Summary** | |
| --- | --- |
| protected  [AttributeList](http://docs.google.com/javax/swing/text/html/parser/AttributeList.html) | [**defAttributeList**](http://docs.google.com/javax/swing/text/html/parser/DTD.html#defAttributeList(java.lang.String,%20int,%20int,%20java.lang.String,%20java.lang.String,%20javax.swing.text.html.parser.AttributeList))([String](http://docs.google.com/java/lang/String.html) name, int type, int modifier, [String](http://docs.google.com/java/lang/String.html) value, [String](http://docs.google.com/java/lang/String.html) values, [AttributeList](http://docs.google.com/javax/swing/text/html/parser/AttributeList.html) atts)            Creates and returns an AttributeList. |
| protected  [ContentModel](http://docs.google.com/javax/swing/text/html/parser/ContentModel.html) | [**defContentModel**](http://docs.google.com/javax/swing/text/html/parser/DTD.html#defContentModel(int,%20java.lang.Object,%20javax.swing.text.html.parser.ContentModel))(int type, [Object](http://docs.google.com/java/lang/Object.html) obj, [ContentModel](http://docs.google.com/javax/swing/text/html/parser/ContentModel.html) next)            Creates and returns a new content model. |
| protected  [Element](http://docs.google.com/javax/swing/text/html/parser/Element.html) | [**defElement**](http://docs.google.com/javax/swing/text/html/parser/DTD.html#defElement(java.lang.String,%20int,%20boolean,%20boolean,%20javax.swing.text.html.parser.ContentModel,%20java.lang.String%5B%5D,%20java.lang.String%5B%5D,%20javax.swing.text.html.parser.AttributeList))([String](http://docs.google.com/java/lang/String.html) name, int type, boolean omitStart, boolean omitEnd, [ContentModel](http://docs.google.com/javax/swing/text/html/parser/ContentModel.html) content, [String](http://docs.google.com/java/lang/String.html)[] exclusions, [String](http://docs.google.com/java/lang/String.html)[] inclusions, [AttributeList](http://docs.google.com/javax/swing/text/html/parser/AttributeList.html) atts)            Creates and returns an Element. |
| [Entity](http://docs.google.com/javax/swing/text/html/parser/Entity.html) | [**defEntity**](http://docs.google.com/javax/swing/text/html/parser/DTD.html#defEntity(java.lang.String,%20int,%20int))([String](http://docs.google.com/java/lang/String.html) name, int type, int ch)            Creates and returns a character Entity. |
| protected  [Entity](http://docs.google.com/javax/swing/text/html/parser/Entity.html) | [**defEntity**](http://docs.google.com/javax/swing/text/html/parser/DTD.html#defEntity(java.lang.String,%20int,%20java.lang.String))([String](http://docs.google.com/java/lang/String.html) name, int type, [String](http://docs.google.com/java/lang/String.html) str)            Creates and returns an Entity. |
| void | [**defineAttributes**](http://docs.google.com/javax/swing/text/html/parser/DTD.html#defineAttributes(java.lang.String,%20javax.swing.text.html.parser.AttributeList))([String](http://docs.google.com/java/lang/String.html) name, [AttributeList](http://docs.google.com/javax/swing/text/html/parser/AttributeList.html) atts)            Defines attributes for an Element. |
| [Element](http://docs.google.com/javax/swing/text/html/parser/Element.html) | [**defineElement**](http://docs.google.com/javax/swing/text/html/parser/DTD.html#defineElement(java.lang.String,%20int,%20boolean,%20boolean,%20javax.swing.text.html.parser.ContentModel,%20java.util.BitSet,%20java.util.BitSet,%20javax.swing.text.html.parser.AttributeList))([String](http://docs.google.com/java/lang/String.html) name, int type, boolean omitStart, boolean omitEnd, [ContentModel](http://docs.google.com/javax/swing/text/html/parser/ContentModel.html) content, [BitSet](http://docs.google.com/java/util/BitSet.html) exclusions, [BitSet](http://docs.google.com/java/util/BitSet.html) inclusions, [AttributeList](http://docs.google.com/javax/swing/text/html/parser/AttributeList.html) atts)            Returns the Element which matches the specified parameters. |
| [Entity](http://docs.google.com/javax/swing/text/html/parser/Entity.html) | [**defineEntity**](http://docs.google.com/javax/swing/text/html/parser/DTD.html#defineEntity(java.lang.String,%20int,%20char%5B%5D))([String](http://docs.google.com/java/lang/String.html) name, int type, char[] data)            Defines an entity. |
| static [DTD](http://docs.google.com/javax/swing/text/html/parser/DTD.html) | [**getDTD**](http://docs.google.com/javax/swing/text/html/parser/DTD.html#getDTD(java.lang.String))([String](http://docs.google.com/java/lang/String.html) name)            Returns a DTD with the specified name. |
| [Element](http://docs.google.com/javax/swing/text/html/parser/Element.html) | [**getElement**](http://docs.google.com/javax/swing/text/html/parser/DTD.html#getElement(int))(int index)            Gets an element by index. |
| [Element](http://docs.google.com/javax/swing/text/html/parser/Element.html) | [**getElement**](http://docs.google.com/javax/swing/text/html/parser/DTD.html#getElement(java.lang.String))([String](http://docs.google.com/java/lang/String.html) name)            Gets an element by name. |
| [Entity](http://docs.google.com/javax/swing/text/html/parser/Entity.html) | [**getEntity**](http://docs.google.com/javax/swing/text/html/parser/DTD.html#getEntity(int))(int ch)            Gets a character entity. |
| [Entity](http://docs.google.com/javax/swing/text/html/parser/Entity.html) | [**getEntity**](http://docs.google.com/javax/swing/text/html/parser/DTD.html#getEntity(java.lang.String))([String](http://docs.google.com/java/lang/String.html) name)            Gets an entity by name. |
| [String](http://docs.google.com/java/lang/String.html) | [**getName**](http://docs.google.com/javax/swing/text/html/parser/DTD.html#getName())()            Gets the name of the DTD. |
| static void | [**putDTDHash**](http://docs.google.com/javax/swing/text/html/parser/DTD.html#putDTDHash(java.lang.String,%20javax.swing.text.html.parser.DTD))([String](http://docs.google.com/java/lang/String.html) name, [DTD](http://docs.google.com/javax/swing/text/html/parser/DTD.html) dtd) |
| void | [**read**](http://docs.google.com/javax/swing/text/html/parser/DTD.html#read(java.io.DataInputStream))([DataInputStream](http://docs.google.com/java/io/DataInputStream.html) in)            Recreates a DTD from an archived format. |
| [String](http://docs.google.com/java/lang/String.html) | [**toString**](http://docs.google.com/javax/swing/text/html/parser/DTD.html#toString())()            Returns a string representation of this DTD. |

| **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()), [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** |
| --- |

### name

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

### elements

public [Vector](http://docs.google.com/java/util/Vector.html)<[Element](http://docs.google.com/javax/swing/text/html/parser/Element.html)> **elements**

### elementHash

public [Hashtable](http://docs.google.com/java/util/Hashtable.html)<[String](http://docs.google.com/java/lang/String.html),[Element](http://docs.google.com/javax/swing/text/html/parser/Element.html)> **elementHash**

### entityHash

public [Hashtable](http://docs.google.com/java/util/Hashtable.html)<[Object](http://docs.google.com/java/lang/Object.html),[Entity](http://docs.google.com/javax/swing/text/html/parser/Entity.html)> **entityHash**

### pcdata

public final [Element](http://docs.google.com/javax/swing/text/html/parser/Element.html) **pcdata**

### html

public final [Element](http://docs.google.com/javax/swing/text/html/parser/Element.html) **html**

### meta

public final [Element](http://docs.google.com/javax/swing/text/html/parser/Element.html) **meta**

### base

public final [Element](http://docs.google.com/javax/swing/text/html/parser/Element.html) **base**

### isindex

public final [Element](http://docs.google.com/javax/swing/text/html/parser/Element.html) **isindex**

### head

public final [Element](http://docs.google.com/javax/swing/text/html/parser/Element.html) **head**

### body

public final [Element](http://docs.google.com/javax/swing/text/html/parser/Element.html) **body**

### applet

public final [Element](http://docs.google.com/javax/swing/text/html/parser/Element.html) **applet**

### param

public final [Element](http://docs.google.com/javax/swing/text/html/parser/Element.html) **param**

### p

public final [Element](http://docs.google.com/javax/swing/text/html/parser/Element.html) **p**

### title

public final [Element](http://docs.google.com/javax/swing/text/html/parser/Element.html) **title**

### FILE\_VERSION

public static final int **FILE\_VERSION**

**See Also:**[Constant Field Values](http://docs.google.com/constant-values.html#javax.swing.text.html.parser.DTD.FILE_VERSION)

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

### DTD

protected **DTD**([String](http://docs.google.com/java/lang/String.html) name)

Creates a new DTD with the specified name.

**Parameters:**name - the name, as a String of the new DTD

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

### getName

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

Gets the name of the DTD.

**Returns:**the name of the DTD

### getEntity

public [Entity](http://docs.google.com/javax/swing/text/html/parser/Entity.html) **getEntity**([String](http://docs.google.com/java/lang/String.html) name)

Gets an entity by name.

**Returns:**the Entity corresponding to the name String

### getEntity

public [Entity](http://docs.google.com/javax/swing/text/html/parser/Entity.html) **getEntity**(int ch)

Gets a character entity.

**Returns:**the Entity corresponding to the ch character

### getElement

public [Element](http://docs.google.com/javax/swing/text/html/parser/Element.html) **getElement**([String](http://docs.google.com/java/lang/String.html) name)

Gets an element by name. A new element is created if the element doesn't exist.

**Parameters:**name - the requested String **Returns:**the Element corresponding to name, which may be newly created

### getElement

public [Element](http://docs.google.com/javax/swing/text/html/parser/Element.html) **getElement**(int index)

Gets an element by index.

**Parameters:**index - the requested index **Returns:**the Element corresponding to index

### defineEntity

public [Entity](http://docs.google.com/javax/swing/text/html/parser/Entity.html) **defineEntity**([String](http://docs.google.com/java/lang/String.html) name,  
 int type,  
 char[] data)

Defines an entity. If the Entity specified by name, type, and data exists, it is returned; otherwise a new Entity is created and is returned.

**Parameters:**name - the name of the Entity as a Stringtype - the type of the Entitydata - the Entity's data **Returns:**the Entity requested or a new Entity if not found

### defineElement

public [Element](http://docs.google.com/javax/swing/text/html/parser/Element.html) **defineElement**([String](http://docs.google.com/java/lang/String.html) name,  
 int type,  
 boolean omitStart,  
 boolean omitEnd,  
 [ContentModel](http://docs.google.com/javax/swing/text/html/parser/ContentModel.html) content,  
 [BitSet](http://docs.google.com/java/util/BitSet.html) exclusions,  
 [BitSet](http://docs.google.com/java/util/BitSet.html) inclusions,  
 [AttributeList](http://docs.google.com/javax/swing/text/html/parser/AttributeList.html) atts)

Returns the Element which matches the specified parameters. If one doesn't exist, a new one is created and returned.

**Parameters:**name - the name of the Elementtype - the type of the ElementomitStart - true if start should be omittedomitEnd - true if end should be omittedcontent - the ContentModelatts - the AttributeList specifying the Element **Returns:**the Element specified

### defineAttributes

public void **defineAttributes**([String](http://docs.google.com/java/lang/String.html) name,  
 [AttributeList](http://docs.google.com/javax/swing/text/html/parser/AttributeList.html) atts)

Defines attributes for an Element.

**Parameters:**name - the name of the Elementatts - the AttributeList specifying the Element

### defEntity

public [Entity](http://docs.google.com/javax/swing/text/html/parser/Entity.html) **defEntity**([String](http://docs.google.com/java/lang/String.html) name,  
 int type,  
 int ch)

Creates and returns a character Entity.

**Parameters:**name - the entity's name **Returns:**the new character Entity

### defEntity

protected [Entity](http://docs.google.com/javax/swing/text/html/parser/Entity.html) **defEntity**([String](http://docs.google.com/java/lang/String.html) name,  
 int type,  
 [String](http://docs.google.com/java/lang/String.html) str)

Creates and returns an Entity.

**Parameters:**name - the entity's name **Returns:**the new Entity

### defElement

protected [Element](http://docs.google.com/javax/swing/text/html/parser/Element.html) **defElement**([String](http://docs.google.com/java/lang/String.html) name,  
 int type,  
 boolean omitStart,  
 boolean omitEnd,  
 [ContentModel](http://docs.google.com/javax/swing/text/html/parser/ContentModel.html) content,  
 [String](http://docs.google.com/java/lang/String.html)[] exclusions,  
 [String](http://docs.google.com/java/lang/String.html)[] inclusions,  
 [AttributeList](http://docs.google.com/javax/swing/text/html/parser/AttributeList.html) atts)

Creates and returns an Element.

**Parameters:**name - the element's name **Returns:**the new Element

### defAttributeList

protected [AttributeList](http://docs.google.com/javax/swing/text/html/parser/AttributeList.html) **defAttributeList**([String](http://docs.google.com/java/lang/String.html) name,  
 int type,  
 int modifier,  
 [String](http://docs.google.com/java/lang/String.html) value,  
 [String](http://docs.google.com/java/lang/String.html) values,  
 [AttributeList](http://docs.google.com/javax/swing/text/html/parser/AttributeList.html) atts)

Creates and returns an AttributeList.

**Parameters:**name - the attribute list's name **Returns:**the new AttributeList

### defContentModel

protected [ContentModel](http://docs.google.com/javax/swing/text/html/parser/ContentModel.html) **defContentModel**(int type,  
 [Object](http://docs.google.com/java/lang/Object.html) obj,  
 [ContentModel](http://docs.google.com/javax/swing/text/html/parser/ContentModel.html) next)

Creates and returns a new content model.

**Parameters:**type - the type of the new content model **Returns:**the new ContentModel

### toString

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

Returns a string representation of this DTD.

**Overrides:**[toString](http://docs.google.com/java/lang/Object.html#toString()) in class [Object](http://docs.google.com/java/lang/Object.html) **Returns:**the string representation of this DTD

### putDTDHash

public static void **putDTDHash**([String](http://docs.google.com/java/lang/String.html) name,  
 [DTD](http://docs.google.com/javax/swing/text/html/parser/DTD.html) dtd)

### getDTD

public static [DTD](http://docs.google.com/javax/swing/text/html/parser/DTD.html) **getDTD**([String](http://docs.google.com/java/lang/String.html) name)  
 throws [IOException](http://docs.google.com/java/io/IOException.html)

Returns a DTD with the specified name. If a DTD with that name doesn't exist, one is created and returned. Any uppercase characters in the name are converted to lowercase.

**Parameters:**name - the name of the DTD **Returns:**the DTD which corresponds to name **Throws:** [IOException](http://docs.google.com/java/io/IOException.html)

### read

public void **read**([DataInputStream](http://docs.google.com/java/io/DataInputStream.html) in)  
 throws [IOException](http://docs.google.com/java/io/IOException.html)

Recreates a DTD from an archived format.

**Parameters:**in - the DataInputStream to read from **Throws:** [IOException](http://docs.google.com/java/io/IOException.html)

| | [**Overview**](http://docs.google.com/overview-summary.html) | [**Package**](http://docs.google.com/package-summary.html) | **Class** | [**Use**](http://docs.google.com/class-use/DTD.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/javax/swing/text/html/parser/DocumentParser.html)   [**NEXT CLASS**](http://docs.google.com/javax/swing/text/html/parser/DTDConstants.html) | [**FRAMES**](http://docs.google.com/index.html?javax/swing/text/html/parser/DTD.html)    [**NO FRAMES**](http://docs.google.com/DTD.html)     [**All Classes**](http://docs.google.com/allclasses-noframe.html) |
| SUMMARY: NESTED | [FIELD](#3znysh7) | [CONSTR](#tyjcwt) | [METHOD](#3dy6vkm) | DETAIL: [FIELD](#4d34og8) | [CONSTR](#2bn6wsx) | [METHOD](#3as4poj) |

[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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