| | [**Overview**](http://docs.google.com/overview-summary.html) | [**Package**](http://docs.google.com/package-summary.html) | **Class** | [**Use**](http://docs.google.com/class-use/Binding.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/naming/BinaryRefAddr.html)   [**NEXT CLASS**](http://docs.google.com/javax/naming/CannotProceedException.html) | [**FRAMES**](http://docs.google.com/index.html?javax/naming/Binding.html)    [**NO FRAMES**](http://docs.google.com/Binding.html)     [**All Classes**](http://docs.google.com/allclasses-noframe.html) |
| SUMMARY: NESTED | FIELD | [CONSTR](#3znysh7) | [METHOD](#2et92p0) | DETAIL: FIELD | [CONSTR](#1t3h5sf) | [METHOD](#26in1rg) |

## **javax.naming**

Class Binding

[java.lang.Object](http://docs.google.com/java/lang/Object.html)  
 [javax.naming.NameClassPair](http://docs.google.com/javax/naming/NameClassPair.html)  
 **javax.naming.Binding**

**All Implemented Interfaces:** [Serializable](http://docs.google.com/java/io/Serializable.html) **Direct Known Subclasses:** [SearchResult](http://docs.google.com/javax/naming/directory/SearchResult.html)

public class **Binding**extends [NameClassPair](http://docs.google.com/javax/naming/NameClassPair.html)

This class represents a name-to-object binding found in a context.

A context consists of name-to-object bindings. The Binding class represents such a binding. It consists of a name and an object. The Context.listBindings() method returns an enumeration of Binding.

Use subclassing for naming systems that generate contents of a binding dynamically.

A Binding instance is not synchronized against concurrent access by multiple threads. Threads that need to access a Binding concurrently should synchronize amongst themselves and provide the necessary locking.

**Since:** 1.3 **See Also:**[Serialized Form](http://docs.google.com/serialized-form.html#javax.naming.Binding)

| **Constructor Summary** | |
| --- | --- |
| [**Binding**](http://docs.google.com/javax/naming/Binding.html#Binding(java.lang.String,%20java.lang.Object))([String](http://docs.google.com/java/lang/String.html) name, [Object](http://docs.google.com/java/lang/Object.html) obj)            Constructs an instance of a Binding given its name and object. |
| [**Binding**](http://docs.google.com/javax/naming/Binding.html#Binding(java.lang.String,%20java.lang.Object,%20boolean))([String](http://docs.google.com/java/lang/String.html) name, [Object](http://docs.google.com/java/lang/Object.html) obj, boolean isRelative)            Constructs an instance of a Binding given its name, object, and whether the name is relative. |
| [**Binding**](http://docs.google.com/javax/naming/Binding.html#Binding(java.lang.String,%20java.lang.String,%20java.lang.Object))([String](http://docs.google.com/java/lang/String.html) name, [String](http://docs.google.com/java/lang/String.html) className, [Object](http://docs.google.com/java/lang/Object.html) obj)            Constructs an instance of a Binding given its name, class name, and object. |
| [**Binding**](http://docs.google.com/javax/naming/Binding.html#Binding(java.lang.String,%20java.lang.String,%20java.lang.Object,%20boolean))([String](http://docs.google.com/java/lang/String.html) name, [String](http://docs.google.com/java/lang/String.html) className, [Object](http://docs.google.com/java/lang/Object.html) obj, boolean isRelative)            Constructs an instance of a Binding given its name, class name, object, and whether the name is relative. |

| **Method Summary** | |
| --- | --- |
| [String](http://docs.google.com/java/lang/String.html) | [**getClassName**](http://docs.google.com/javax/naming/Binding.html#getClassName())()            Retrieves the class name of the object bound to the name of this binding. |
| [Object](http://docs.google.com/java/lang/Object.html) | [**getObject**](http://docs.google.com/javax/naming/Binding.html#getObject())()            Retrieves the object bound to the name of this binding. |
| void | [**setObject**](http://docs.google.com/javax/naming/Binding.html#setObject(java.lang.Object))([Object](http://docs.google.com/java/lang/Object.html) obj)            Sets the object associated with this binding. |
| [String](http://docs.google.com/java/lang/String.html) | [**toString**](http://docs.google.com/javax/naming/Binding.html#toString())()            Generates the string representation of this binding. |

| **Methods inherited from class javax.naming.**[**NameClassPair**](http://docs.google.com/javax/naming/NameClassPair.html) |
| --- |
| [getName](http://docs.google.com/javax/naming/NameClassPair.html#getName()), [getNameInNamespace](http://docs.google.com/javax/naming/NameClassPair.html#getNameInNamespace()), [isRelative](http://docs.google.com/javax/naming/NameClassPair.html#isRelative()), [setClassName](http://docs.google.com/javax/naming/NameClassPair.html#setClassName(java.lang.String)), [setName](http://docs.google.com/javax/naming/NameClassPair.html#setName(java.lang.String)), [setNameInNamespace](http://docs.google.com/javax/naming/NameClassPair.html#setNameInNamespace(java.lang.String)), [setRelative](http://docs.google.com/javax/naming/NameClassPair.html#setRelative(boolean)) |

| **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)) |

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

### Binding

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

Constructs an instance of a Binding given its name and object.

getClassName() will return the class name of obj (or null if obj is null) unless the class name has been explicitly set using setClassName()

**Parameters:**name - The non-null name of the object. It is relative to the *target context* (which is named by the first parameter of the listBindings() method)obj - The possibly null object bound to name.**See Also:**[NameClassPair.setClassName(java.lang.String)](http://docs.google.com/javax/naming/NameClassPair.html#setClassName(java.lang.String))

### Binding

public **Binding**([String](http://docs.google.com/java/lang/String.html) name,  
 [Object](http://docs.google.com/java/lang/Object.html) obj,  
 boolean isRelative)

Constructs an instance of a Binding given its name, object, and whether the name is relative.

getClassName() will return the class name of obj (or null if obj is null) unless the class name has been explicitly set using setClassName()

**Parameters:**name - The non-null string name of the object.obj - The possibly null object bound to name.isRelative - true if name is a name relative to the target context (which is named by the first parameter of the listBindings() method); false if name is a URL string.**See Also:**[NameClassPair.isRelative()](http://docs.google.com/javax/naming/NameClassPair.html#isRelative()), [NameClassPair.setRelative(boolean)](http://docs.google.com/javax/naming/NameClassPair.html#setRelative(boolean)), [NameClassPair.setClassName(java.lang.String)](http://docs.google.com/javax/naming/NameClassPair.html#setClassName(java.lang.String))

### Binding

public **Binding**([String](http://docs.google.com/java/lang/String.html) name,  
 [String](http://docs.google.com/java/lang/String.html) className,  
 [Object](http://docs.google.com/java/lang/Object.html) obj)

Constructs an instance of a Binding given its name, class name, and object.

**Parameters:**name - The non-null name of the object. It is relative to the *target context* (which is named by the first parameter of the listBindings() method)className - The possibly null class name of the object bound to name. If null, the class name of obj is returned by getClassName(). If obj is also null, getClassName() will return null.obj - The possibly null object bound to name.**See Also:**[NameClassPair.setClassName(java.lang.String)](http://docs.google.com/javax/naming/NameClassPair.html#setClassName(java.lang.String))

### Binding

public **Binding**([String](http://docs.google.com/java/lang/String.html) name,  
 [String](http://docs.google.com/java/lang/String.html) className,  
 [Object](http://docs.google.com/java/lang/Object.html) obj,  
 boolean isRelative)

Constructs an instance of a Binding given its name, class name, object, and whether the name is relative.

**Parameters:**name - The non-null string name of the object.className - The possibly null class name of the object bound to name. If null, the class name of obj is returned by getClassName(). If obj is also null, getClassName() will return null.obj - The possibly null object bound to name.isRelative - true if name is a name relative to the target context (which is named by the first parameter of the listBindings() method); false if name is a URL string.**See Also:**[NameClassPair.isRelative()](http://docs.google.com/javax/naming/NameClassPair.html#isRelative()), [NameClassPair.setRelative(boolean)](http://docs.google.com/javax/naming/NameClassPair.html#setRelative(boolean)), [NameClassPair.setClassName(java.lang.String)](http://docs.google.com/javax/naming/NameClassPair.html#setClassName(java.lang.String))

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

### getClassName

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

Retrieves the class name of the object bound to the name of this binding. If the class name has been set explicitly, return it. Otherwise, if this binding contains a non-null object, that object's class name is used. Otherwise, null is returned.

**Overrides:**[getClassName](http://docs.google.com/javax/naming/NameClassPair.html#getClassName()) in class [NameClassPair](http://docs.google.com/javax/naming/NameClassPair.html) **Returns:**A possibly null string containing class name of object bound.**See Also:**[getObject()](http://docs.google.com/javax/naming/Binding.html#getObject()), [getClassName()](http://docs.google.com/javax/naming/Binding.html#getClassName()), [NameClassPair.setClassName(java.lang.String)](http://docs.google.com/javax/naming/NameClassPair.html#setClassName(java.lang.String))

### getObject

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

Retrieves the object bound to the name of this binding.

**Returns:**The object bound; null if this binding does not contain an object.**See Also:**[setObject(java.lang.Object)](http://docs.google.com/javax/naming/Binding.html#setObject(java.lang.Object))

### setObject

public void **setObject**([Object](http://docs.google.com/java/lang/Object.html) obj)

Sets the object associated with this binding.

**Parameters:**obj - The possibly null object to use.**See Also:**[getObject()](http://docs.google.com/javax/naming/Binding.html#getObject())

### toString

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

Generates the string representation of this binding. The string representation consists of the string representation of the name/class pair and the string representation of this binding's object, separated by ':'. The contents of this string is useful for debugging and is not meant to be interpreted programmatically.

**Overrides:**[toString](http://docs.google.com/javax/naming/NameClassPair.html#toString()) in class [NameClassPair](http://docs.google.com/javax/naming/NameClassPair.html) **Returns:**The non-null string representation of this binding.

| | [**Overview**](http://docs.google.com/overview-summary.html) | [**Package**](http://docs.google.com/package-summary.html) | **Class** | [**Use**](http://docs.google.com/class-use/Binding.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/naming/BinaryRefAddr.html)   [**NEXT CLASS**](http://docs.google.com/javax/naming/CannotProceedException.html) | [**FRAMES**](http://docs.google.com/index.html?javax/naming/Binding.html)    [**NO FRAMES**](http://docs.google.com/Binding.html)     [**All Classes**](http://docs.google.com/allclasses-noframe.html) |
| SUMMARY: NESTED | FIELD | [CONSTR](#3znysh7) | [METHOD](#2et92p0) | DETAIL: FIELD | [CONSTR](#1t3h5sf) | [METHOD](#26in1rg) |

[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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