| | [**Overview**](http://docs.google.com/overview-summary.html) | [**Package**](http://docs.google.com/package-summary.html) | **Class** | [**Use**](http://docs.google.com/class-use/RefAddr.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/PartialResultException.html)   [**NEXT CLASS**](http://docs.google.com/javax/naming/Reference.html) | [**FRAMES**](http://docs.google.com/index.html?javax/naming/RefAddr.html)    [**NO FRAMES**](http://docs.google.com/RefAddr.html)     [**All Classes**](http://docs.google.com/allclasses-noframe.html) |
| SUMMARY: NESTED | [FIELD](#3znysh7) | [CONSTR](#2et92p0) | [METHOD](#tyjcwt) | DETAIL: [FIELD](#1t3h5sf) | [CONSTR](#2s8eyo1) | [METHOD](#3rdcrjn) |

## **javax.naming**

Class RefAddr

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

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

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

This class represents the address of a communications end-point. It consists of a type that describes the communication mechanism and an address contents determined by an RefAddr subclass.

For example, an address type could be "BSD Printer Address", which specifies that it is an address to be used with the BSD printing protocol. Its contents could be the machine name identifying the location of the printer server that understands this protocol.

A RefAddr is contained within a Reference.

RefAddr is an abstract class. Concrete implementations of it determine its synchronization properties.

**Since:** 1.3 **See Also:**[Reference](http://docs.google.com/javax/naming/Reference.html), [LinkRef](http://docs.google.com/javax/naming/LinkRef.html), [StringRefAddr](http://docs.google.com/javax/naming/StringRefAddr.html), [BinaryRefAddr](http://docs.google.com/javax/naming/BinaryRefAddr.html), [Serialized Form](http://docs.google.com/serialized-form.html#javax.naming.RefAddr)

| **Field Summary** | |
| --- | --- |
| protected  [String](http://docs.google.com/java/lang/String.html) | [**addrType**](http://docs.google.com/javax/naming/RefAddr.html#addrType)            Contains the type of this address. |

| **Constructor Summary** | |
| --- | --- |
| protected | [**RefAddr**](http://docs.google.com/javax/naming/RefAddr.html#RefAddr(java.lang.String))([String](http://docs.google.com/java/lang/String.html) addrType)            Constructs a new instance of RefAddr using its address type. |

| **Method Summary** | |
| --- | --- |
| boolean | [**equals**](http://docs.google.com/javax/naming/RefAddr.html#equals(java.lang.Object))([Object](http://docs.google.com/java/lang/Object.html) obj)            Determines whether obj is equal to this RefAddr. |
| abstract  [Object](http://docs.google.com/java/lang/Object.html) | [**getContent**](http://docs.google.com/javax/naming/RefAddr.html#getContent())()            Retrieves the contents of this address. |
| [String](http://docs.google.com/java/lang/String.html) | [**getType**](http://docs.google.com/javax/naming/RefAddr.html#getType())()            Retrieves the address type of this address. |
| int | [**hashCode**](http://docs.google.com/javax/naming/RefAddr.html#hashCode())()            Computes the hash code of this address using its address type and contents. |
| [String](http://docs.google.com/java/lang/String.html) | [**toString**](http://docs.google.com/javax/naming/RefAddr.html#toString())()            Generates the string representation of this address. |

| **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()), [finalize](http://docs.google.com/java/lang/Object.html#finalize()), [getClass](http://docs.google.com/java/lang/Object.html#getClass()), [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** |
| --- |

### addrType

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

Contains the type of this address.

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

### RefAddr

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

Constructs a new instance of RefAddr using its address type.

**Parameters:**addrType - A non-null string describing the type of the address.

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

### getType

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

Retrieves the address type of this address.

**Returns:**The non-null address type of this address.

### getContent

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

Retrieves the contents of this address.

**Returns:**The possibly null address contents.

### equals

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

Determines whether obj is equal to this RefAddr.

obj is equal to this RefAddr all of these conditions are true

non-null

* instance of RefAddr
* obj has the same address type as this RefAddr (using String.compareTo())
* both obj and this RefAddr's contents are null or they are equal (using the equals() test).

**Overrides:**[equals](http://docs.google.com/java/lang/Object.html#equals(java.lang.Object)) in class [Object](http://docs.google.com/java/lang/Object.html) **Parameters:**obj - possibly null obj to check. **Returns:**true if obj is equal to this refaddr; false otherwise.**See Also:**[getContent()](http://docs.google.com/javax/naming/RefAddr.html#getContent()), [getType()](http://docs.google.com/javax/naming/RefAddr.html#getType())

### hashCode

public int **hashCode**()

Computes the hash code of this address using its address type and contents. The hash code is the sum of the hash code of the address type and the hash code of the address contents.

**Overrides:**[hashCode](http://docs.google.com/java/lang/Object.html#hashCode()) in class [Object](http://docs.google.com/java/lang/Object.html) **Returns:**The hash code of this address as an int.**See Also:**[Object.hashCode()](http://docs.google.com/java/lang/Object.html#hashCode())

### toString

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

Generates the string representation of this address. The string consists of the address's type and contents with labels. This representation is intended for display only and not to be parsed.

**Overrides:**[toString](http://docs.google.com/java/lang/Object.html#toString()) in class [Object](http://docs.google.com/java/lang/Object.html) **Returns:**The non-null string representation of this address.

| | [**Overview**](http://docs.google.com/overview-summary.html) | [**Package**](http://docs.google.com/package-summary.html) | **Class** | [**Use**](http://docs.google.com/class-use/RefAddr.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*** |
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[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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