| | [**Overview**](http://docs.google.com/overview-summary.html) | [**Package**](http://docs.google.com/package-summary.html) | **Class** | [**Use**](http://docs.google.com/class-use/MarshalledObject.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/java/rmi/MarshalException.html)   [**NEXT CLASS**](http://docs.google.com/java/rmi/Naming.html) | [**FRAMES**](http://docs.google.com/index.html?java/rmi/MarshalledObject.html)    [**NO FRAMES**](http://docs.google.com/MarshalledObject.html)     [**All Classes**](http://docs.google.com/allclasses-noframe.html) |
| SUMMARY: NESTED | FIELD | [CONSTR](#3znysh7) | [METHOD](#2et92p0) | DETAIL: FIELD | [CONSTR](#3dy6vkm) | [METHOD](#2s8eyo1) |

## **java.rmi**

Class MarshalledObject<T>

[java.lang.Object](http://docs.google.com/java/lang/Object.html)  
 **java.rmi.MarshalledObject<T>**

**Type Parameters:**T - the type of the object contained in this MarshalledObject **All Implemented Interfaces:** [Serializable](http://docs.google.com/java/io/Serializable.html)

public final class **MarshalledObject<T>**extends [Object](http://docs.google.com/java/lang/Object.html)implements [Serializable](http://docs.google.com/java/io/Serializable.html)

A MarshalledObject contains a byte stream with the serialized representation of an object given to its constructor. The get method returns a new copy of the original object, as deserialized from the contained byte stream. The contained object is serialized and deserialized with the same serialization semantics used for marshaling and unmarshaling parameters and return values of RMI calls: When the serialized form is created:

* classes are annotated with a codebase URL from where the class can be loaded (if available), and
* any remote object in the MarshalledObject is represented by a serialized instance of its stub.

When copy of the object is retrieved (via the get method), if the class is not available locally, it will be loaded from the appropriate location (specified the URL annotated with the class descriptor when the class was serialized.

MarshalledObject facilitates passing objects in RMI calls that are not automatically deserialized immediately by the remote peer.

**Since:** 1.2 **See Also:**[Serialized Form](http://docs.google.com/serialized-form.html#java.rmi.MarshalledObject)

| **Constructor Summary** | |
| --- | --- |
| [**MarshalledObject**](http://docs.google.com/java/rmi/MarshalledObject.html#MarshalledObject(T))([T](http://docs.google.com/java/rmi/MarshalledObject.html) obj)            Creates a new MarshalledObject that contains the serialized representation of the current state of the supplied object. |

| **Method Summary** | |
| --- | --- |
| boolean | [**equals**](http://docs.google.com/java/rmi/MarshalledObject.html#equals(java.lang.Object))([Object](http://docs.google.com/java/lang/Object.html) obj)            Compares this MarshalledObject to another object. |
| [T](http://docs.google.com/java/rmi/MarshalledObject.html) | [**get**](http://docs.google.com/java/rmi/MarshalledObject.html#get())()            Returns a new copy of the contained marshalledobject. |
| int | [**hashCode**](http://docs.google.com/java/rmi/MarshalledObject.html#hashCode())()            Return a hash code for this MarshalledObject. |

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

### MarshalledObject

public **MarshalledObject**([T](http://docs.google.com/java/rmi/MarshalledObject.html) obj)  
 throws [IOException](http://docs.google.com/java/io/IOException.html)

Creates a new MarshalledObject that contains the serialized representation of the current state of the supplied object. The object is serialized with the semantics used for marshaling parameters for RMI calls.

**Parameters:**obj - the object to be serialized (must be serializable) **Throws:** [IOException](http://docs.google.com/java/io/IOException.html) - if an IOException occurs; an IOException may occur if obj is not serializable.**Since:** 1.2

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

### get

public [T](http://docs.google.com/java/rmi/MarshalledObject.html) **get**()  
 throws [IOException](http://docs.google.com/java/io/IOException.html),  
 [ClassNotFoundException](http://docs.google.com/java/lang/ClassNotFoundException.html)

Returns a new copy of the contained marshalledobject. The internal representation is deserialized with the semantics used for unmarshaling paramters for RMI calls.

**Returns:**a copy of the contained object **Throws:** [IOException](http://docs.google.com/java/io/IOException.html) - if an IOException occurs while deserializing the object from its internal representation. [ClassNotFoundException](http://docs.google.com/java/lang/ClassNotFoundException.html) - if a ClassNotFoundException occurs while deserializing the object from its internal representation. could not be found**Since:** 1.2

### hashCode

public int **hashCode**()

Return a hash code for this MarshalledObject.

**Overrides:**[hashCode](http://docs.google.com/java/lang/Object.html#hashCode()) in class [Object](http://docs.google.com/java/lang/Object.html) **Returns:**a hash code**See Also:**[Object.equals(java.lang.Object)](http://docs.google.com/java/lang/Object.html#equals(java.lang.Object)), [Hashtable](http://docs.google.com/java/util/Hashtable.html)

### equals

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

Compares this MarshalledObject to another object. Returns true if and only if the argument refers to a MarshalledObject that contains exactly the same serialized representation of an object as this one does. The comparison ignores any class codebase annotation, meaning that two objects are equivalent if they have the same serialized representation *except* for the codebase of each class in the serialized representation.

**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 - the object to compare with this MarshalledObject **Returns:**true if the argument contains an equaivalent serialized object; false otherwise**Since:** 1.2 **See Also:**[Object.hashCode()](http://docs.google.com/java/lang/Object.html#hashCode()), [Hashtable](http://docs.google.com/java/util/Hashtable.html)

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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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