| | [**Overview**](http://docs.google.com/overview-summary.html) | [**Package**](http://docs.google.com/package-summary.html) | **Class** | [**Use**](http://docs.google.com/class-use/SerialRef.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/sql/rowset/serial/SerialJavaObject.html)   [**NEXT CLASS**](http://docs.google.com/javax/sql/rowset/serial/SerialStruct.html) | [**FRAMES**](http://docs.google.com/index.html?javax/sql/rowset/serial/SerialRef.html)    [**NO FRAMES**](http://docs.google.com/SerialRef.html)     [**All Classes**](http://docs.google.com/allclasses-noframe.html) |
| SUMMARY: NESTED | FIELD | [CONSTR](#3znysh7) | [METHOD](#2et92p0) | DETAIL: FIELD | [CONSTR](#3dy6vkm) | [METHOD](#4d34og8) |

## **javax.sql.rowset.serial**

Class SerialRef

[java.lang.Object](http://docs.google.com/java/lang/Object.html)  
 **javax.sql.rowset.serial.SerialRef**

**All Implemented Interfaces:** [Serializable](http://docs.google.com/java/io/Serializable.html), [Cloneable](http://docs.google.com/java/lang/Cloneable.html), [Ref](http://docs.google.com/java/sql/Ref.html)

public class **SerialRef**extends [Object](http://docs.google.com/java/lang/Object.html)implements [Ref](http://docs.google.com/java/sql/Ref.html), [Serializable](http://docs.google.com/java/io/Serializable.html), [Cloneable](http://docs.google.com/java/lang/Cloneable.html)

A serialized mapping of a Ref object, which is the mapping in the Java programming language of an SQL REF value.

The SerialRef class provides a constructor for creating a SerialRef instance from a Ref object and provides methods for getting and setting the Ref object.

**See Also:**[Serialized Form](http://docs.google.com/serialized-form.html#javax.sql.rowset.serial.SerialRef)

| **Constructor Summary** | |
| --- | --- |
| [**SerialRef**](http://docs.google.com/javax/sql/rowset/serial/SerialRef.html#SerialRef(java.sql.Ref))([Ref](http://docs.google.com/java/sql/Ref.html) ref)            Constructs a SerialRef object from the given Ref object. |

| **Method Summary** | |
| --- | --- |
| [String](http://docs.google.com/java/lang/String.html) | [**getBaseTypeName**](http://docs.google.com/javax/sql/rowset/serial/SerialRef.html#getBaseTypeName())()            Returns a string describing the base type name of the Ref. |
| [Object](http://docs.google.com/java/lang/Object.html) | [**getObject**](http://docs.google.com/javax/sql/rowset/serial/SerialRef.html#getObject())()            Returns an Object representing the SQL structured type to which this SerialRef object refers. |
| [Object](http://docs.google.com/java/lang/Object.html) | [**getObject**](http://docs.google.com/javax/sql/rowset/serial/SerialRef.html#getObject(java.util.Map))([Map](http://docs.google.com/java/util/Map.html)<[String](http://docs.google.com/java/lang/String.html),[Class](http://docs.google.com/java/lang/Class.html)<?>> map)            Returns an Object representing the SQL structured type to which this SerialRef object refers. |
| void | [**setObject**](http://docs.google.com/javax/sql/rowset/serial/SerialRef.html#setObject(java.lang.Object))([Object](http://docs.google.com/java/lang/Object.html) obj)            Sets the SQL structured type that this SerialRef object references to the given Object object. |

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

### SerialRef

public **SerialRef**([Ref](http://docs.google.com/java/sql/Ref.html) ref)  
 throws [SerialException](http://docs.google.com/javax/sql/rowset/serial/SerialException.html),  
 [SQLException](http://docs.google.com/java/sql/SQLException.html)

Constructs a SerialRef object from the given Ref object.

**Parameters:**ref - a Ref object; cannot be null **Throws:** [SQLException](http://docs.google.com/java/sql/SQLException.html) - if a database access occurs; if ref is null; or if the Ref object returns a null value base type name. [SerialException](http://docs.google.com/javax/sql/rowset/serial/SerialException.html) - if an error occurs serializing the Ref object

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

### getBaseTypeName

public [String](http://docs.google.com/java/lang/String.html) **getBaseTypeName**()  
 throws [SerialException](http://docs.google.com/javax/sql/rowset/serial/SerialException.html)

Returns a string describing the base type name of the Ref.

**Specified by:**[getBaseTypeName](http://docs.google.com/java/sql/Ref.html#getBaseTypeName()) in interface [Ref](http://docs.google.com/java/sql/Ref.html) **Returns:**a string of the base type name of the Ref **Throws:** [SerialException](http://docs.google.com/javax/sql/rowset/serial/SerialException.html) - in no Ref object has been set

### getObject

public [Object](http://docs.google.com/java/lang/Object.html) **getObject**([Map](http://docs.google.com/java/util/Map.html)<[String](http://docs.google.com/java/lang/String.html),[Class](http://docs.google.com/java/lang/Class.html)<?>> map)  
 throws [SerialException](http://docs.google.com/javax/sql/rowset/serial/SerialException.html)

Returns an Object representing the SQL structured type to which this SerialRef object refers. The attributes of the structured type are mapped according to the given type map.

**Specified by:**[getObject](http://docs.google.com/java/sql/Ref.html#getObject(java.util.Map)) in interface [Ref](http://docs.google.com/java/sql/Ref.html) **Parameters:**map - a java.util.Map object containing zero or more entries, with each entry consisting of 1) a String giving the fully qualified name of a UDT and 2) the Class object for the SQLData implementation that defines how the UDT is to be mapped **Returns:**an object instance resolved from the Ref reference and mapped according to the supplied type map **Throws:** [SerialException](http://docs.google.com/javax/sql/rowset/serial/SerialException.html) - if an error is encountered in the reference resolution**See Also:**[Ref.setObject(java.lang.Object)](http://docs.google.com/java/sql/Ref.html#setObject(java.lang.Object))

### getObject

public [Object](http://docs.google.com/java/lang/Object.html) **getObject**()  
 throws [SerialException](http://docs.google.com/javax/sql/rowset/serial/SerialException.html)

Returns an Object representing the SQL structured type to which this SerialRef object refers.

**Specified by:**[getObject](http://docs.google.com/java/sql/Ref.html#getObject()) in interface [Ref](http://docs.google.com/java/sql/Ref.html) **Returns:**an object instance resolved from the Ref reference **Throws:** [SerialException](http://docs.google.com/javax/sql/rowset/serial/SerialException.html) - if an error is encountered in the reference resolution**See Also:**[Ref.setObject(java.lang.Object)](http://docs.google.com/java/sql/Ref.html#setObject(java.lang.Object))

### setObject

public void **setObject**([Object](http://docs.google.com/java/lang/Object.html) obj)  
 throws [SerialException](http://docs.google.com/javax/sql/rowset/serial/SerialException.html)

Sets the SQL structured type that this SerialRef object references to the given Object object.

**Specified by:**[setObject](http://docs.google.com/java/sql/Ref.html#setObject(java.lang.Object)) in interface [Ref](http://docs.google.com/java/sql/Ref.html) **Parameters:**obj - an Object representing the SQL structured type to be referenced **Throws:** [SerialException](http://docs.google.com/javax/sql/rowset/serial/SerialException.html) - if an error is encountered generating the the structured type referenced by this SerialRef object**See Also:**[Ref.getObject()](http://docs.google.com/java/sql/Ref.html#getObject()), [Ref.getObject(Map)](http://docs.google.com/java/sql/Ref.html#getObject(java.util.Map)), [PreparedStatement.setObject(int, Object)](http://docs.google.com/java/sql/PreparedStatement.html#setObject(int,%20java.lang.Object)), [CallableStatement.setObject(String, Object)](http://docs.google.com/java/sql/CallableStatement.html#setObject(java.lang.String,%20java.lang.Object))

| | [**Overview**](http://docs.google.com/overview-summary.html) | [**Package**](http://docs.google.com/package-summary.html) | **Class** | [**Use**](http://docs.google.com/class-use/SerialRef.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/sql/rowset/serial/SerialJavaObject.html)   [**NEXT CLASS**](http://docs.google.com/javax/sql/rowset/serial/SerialStruct.html) | [**FRAMES**](http://docs.google.com/index.html?javax/sql/rowset/serial/SerialRef.html)    [**NO FRAMES**](http://docs.google.com/SerialRef.html)     [**All Classes**](http://docs.google.com/allclasses-noframe.html) |
| SUMMARY: NESTED | FIELD | [CONSTR](#3znysh7) | [METHOD](#2et92p0) | DETAIL: FIELD | [CONSTR](#3dy6vkm) | [METHOD](#4d34og8) |

[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.

Copyright 2006 Sun Microsystems, Inc. All rights reserved. Use is subject to [license terms](http://docs.google.com/legal/license.html). Also see the [documentation redistribution policy](http://java.sun.com/docs/redist.html).