| | [**Overview**](http://docs.google.com/overview-summary.html) | [**Package**](http://docs.google.com/package-summary.html) | [**Class**](http://docs.google.com/javax/sql/rowset/serial/SerialException.html) | **Use** | [**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   NEXT | [**FRAMES**](http://docs.google.com/index.html?javax/sql/rowset/serial//class-useSerialException.html)    [**NO FRAMES**](http://docs.google.com/SerialException.html)     [**All Classes**](http://docs.google.com/allclasses-noframe.html) |

**Uses of Class**

**javax.sql.rowset.serial.SerialException**

| Packages that use [SerialException](http://docs.google.com/javax/sql/rowset/serial/SerialException.html) | |
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| [**javax.sql.rowset.serial**](#3znysh7) | Provides utility classes to allow serializable mappings between SQL types and data types in the Java programming language. |

| Uses of [SerialException](http://docs.google.com/javax/sql/rowset/serial/SerialException.html) in [javax.sql.rowset.serial](http://docs.google.com/javax/sql/rowset/serial/package-summary.html) | |
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| Methods in [javax.sql.rowset.serial](http://docs.google.com/javax/sql/rowset/serial/package-summary.html) that throw [SerialException](http://docs.google.com/javax/sql/rowset/serial/SerialException.html) | |
| --- | --- |
| [Object](http://docs.google.com/java/lang/Object.html) | **SerialArray.**[**getArray**](http://docs.google.com/javax/sql/rowset/serial/SerialArray.html#getArray())()            Returns a new array that is a copy of this SerialArray object. |
| [Object](http://docs.google.com/java/lang/Object.html) | **SerialArray.**[**getArray**](http://docs.google.com/javax/sql/rowset/serial/SerialArray.html#getArray(long,%20int))(long index, int count)            Returns a new array that is a copy of a slice of this SerialArray object, starting with the element at the given index and containing the given number of consecutive elements. |
| [Object](http://docs.google.com/java/lang/Object.html) | **SerialArray.**[**getArray**](http://docs.google.com/javax/sql/rowset/serial/SerialArray.html#getArray(long,%20int,%20java.util.Map))(long index, int count, [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 a new array that is a copy of a slice of this SerialArray object, starting with the element at the given index and containing the given number of consecutive elements. |
| [Object](http://docs.google.com/java/lang/Object.html) | **SerialArray.**[**getArray**](http://docs.google.com/javax/sql/rowset/serial/SerialArray.html#getArray(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 a new array that is a copy of this SerialArray object, using the given type map for the custom mapping of each element when the elements are SQL UDTs. |
| [InputStream](http://docs.google.com/java/io/InputStream.html) | **SerialClob.**[**getAsciiStream**](http://docs.google.com/javax/sql/rowset/serial/SerialClob.html#getAsciiStream())()            Retrieves the CLOB value designated by this SerialClob object as an ascii stream. |
| [Object](http://docs.google.com/java/lang/Object.html)[] | **SerialStruct.**[**getAttributes**](http://docs.google.com/javax/sql/rowset/serial/SerialStruct.html#getAttributes())()            Retrieves an array of Object values containing the attributes of the SQL structured type that this SerialStruct object represents. |
| [Object](http://docs.google.com/java/lang/Object.html)[] | **SerialStruct.**[**getAttributes**](http://docs.google.com/javax/sql/rowset/serial/SerialStruct.html#getAttributes(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)            Retrieves the attributes for the SQL structured type that this SerialStruct represents as an array of Object values, using the given type map for custom mapping if appropriate. |
| int | **SerialArray.**[**getBaseType**](http://docs.google.com/javax/sql/rowset/serial/SerialArray.html#getBaseType())()            Retrieves the SQL type of the elements in this SerialArray object. |
| [String](http://docs.google.com/java/lang/String.html) | **SerialRef.**[**getBaseTypeName**](http://docs.google.com/javax/sql/rowset/serial/SerialRef.html#getBaseTypeName())()            Returns a string describing the base type name of the Ref. |
| [String](http://docs.google.com/java/lang/String.html) | **SerialArray.**[**getBaseTypeName**](http://docs.google.com/javax/sql/rowset/serial/SerialArray.html#getBaseTypeName())()            Retrieves the DBMS-specific type name for the elements in this SerialArray object. |
| [InputStream](http://docs.google.com/java/io/InputStream.html) | **SerialBlob.**[**getBinaryStream**](http://docs.google.com/javax/sql/rowset/serial/SerialBlob.html#getBinaryStream())()            Returns this SerialBlob object as an input stream. |
| byte[] | **SerialBlob.**[**getBytes**](http://docs.google.com/javax/sql/rowset/serial/SerialBlob.html#getBytes(long,%20int))(long pos, int length)            Copies the specified number of bytes, starting at the given position, from this SerialBlob object to another array of bytes. |
| [Reader](http://docs.google.com/java/io/Reader.html) | **SerialClob.**[**getCharacterStream**](http://docs.google.com/javax/sql/rowset/serial/SerialClob.html#getCharacterStream())()            Returns this SerialClob object's data as a stream of Unicode characters. |
| [URL](http://docs.google.com/java/net/URL.html) | **SerialDatalink.**[**getDatalink**](http://docs.google.com/javax/sql/rowset/serial/SerialDatalink.html#getDatalink())()            Returns a new URL that is a copy of this SerialDatalink object. |
| [Field](http://docs.google.com/java/lang/reflect/Field.html)[] | **SerialJavaObject.**[**getFields**](http://docs.google.com/javax/sql/rowset/serial/SerialJavaObject.html#getFields())()            Returns an array of Field objects that contains each field of the object that this helper class is serializing. |
| [Object](http://docs.google.com/java/lang/Object.html) | **SerialRef.**[**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) | **SerialJavaObject.**[**getObject**](http://docs.google.com/javax/sql/rowset/serial/SerialJavaObject.html#getObject())()            Returns an Object that is a copy of this SerialJavaObject object. |
| [Object](http://docs.google.com/java/lang/Object.html) | **SerialRef.**[**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. |
| [ResultSet](http://docs.google.com/java/sql/ResultSet.html) | **SerialArray.**[**getResultSet**](http://docs.google.com/javax/sql/rowset/serial/SerialArray.html#getResultSet())()            Retrieves a ResultSet object that contains all of the elements in the ARRAY value that this SerialArray object represents. |
| [ResultSet](http://docs.google.com/java/sql/ResultSet.html) | **SerialArray.**[**getResultSet**](http://docs.google.com/javax/sql/rowset/serial/SerialArray.html#getResultSet(long,%20int))(long index, int count)            Retrieves a ResultSet object holding the elements of the subarray that starts at index *index* and contains up to *count* successive elements. |
| [ResultSet](http://docs.google.com/java/sql/ResultSet.html) | **SerialArray.**[**getResultSet**](http://docs.google.com/javax/sql/rowset/serial/SerialArray.html#getResultSet(long,%20int,%20java.util.Map))(long index, int count, [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)            Retrieves a result set holding the elements of the subarray that starts at Retrieves a ResultSet object that contains a subarray of the elements in this SerialArray object, starting at index *index* and containing up to *count* successive elements. |
| [ResultSet](http://docs.google.com/java/sql/ResultSet.html) | **SerialArray.**[**getResultSet**](http://docs.google.com/javax/sql/rowset/serial/SerialArray.html#getResultSet(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)            Retrieves a ResultSet object that contains all of the elements of the SQL ARRAY value represented by this SerialArray object. |
| [String](http://docs.google.com/java/lang/String.html) | **SerialStruct.**[**getSQLTypeName**](http://docs.google.com/javax/sql/rowset/serial/SerialStruct.html#getSQLTypeName())()            Retrieves the SQL type name for this SerialStruct object. |
| [String](http://docs.google.com/java/lang/String.html) | **SerialClob.**[**getSubString**](http://docs.google.com/javax/sql/rowset/serial/SerialClob.html#getSubString(long,%20int))(long pos, int length)            Returns a copy of the substring contained in this SerialClob object, starting at the given position and continuing for the specified number or characters. |
| long | **SerialClob.**[**length**](http://docs.google.com/javax/sql/rowset/serial/SerialClob.html#length())()            Retrieves the number of characters in this SerialClob object's array of characters. |
| long | **SerialBlob.**[**length**](http://docs.google.com/javax/sql/rowset/serial/SerialBlob.html#length())()            Retrieves the number of bytes in this SerialBlob object's array of bytes. |
| long | **SerialBlob.**[**position**](http://docs.google.com/javax/sql/rowset/serial/SerialBlob.html#position(java.sql.Blob,%20long))([Blob](http://docs.google.com/java/sql/Blob.html) pattern, long start)            Returns the position in this SerialBlob object where the given Blob object begins, starting the search at the specified position. |
| long | **SerialBlob.**[**position**](http://docs.google.com/javax/sql/rowset/serial/SerialBlob.html#position(byte%5B%5D,%20long))(byte[] pattern, long start)            Returns the position in this SerialBlob object where the given pattern of bytes begins, starting the search at the specified position. |
| long | **SerialClob.**[**position**](http://docs.google.com/javax/sql/rowset/serial/SerialClob.html#position(java.sql.Clob,%20long))([Clob](http://docs.google.com/java/sql/Clob.html) searchStr, long start)            Returns the position in this SerialClob object where the given Clob signature begins, starting the search at the specified position. |
| long | **SerialClob.**[**position**](http://docs.google.com/javax/sql/rowset/serial/SerialClob.html#position(java.lang.String,%20long))([String](http://docs.google.com/java/lang/String.html) searchStr, long start)            Returns the position in this SerialClob object where the given String object begins, starting the search at the specified position. |
| [OutputStream](http://docs.google.com/java/io/OutputStream.html) | **SerialClob.**[**setAsciiStream**](http://docs.google.com/javax/sql/rowset/serial/SerialClob.html#setAsciiStream(long))(long pos)            Retrieves a stream to be used to write Ascii characters to the CLOB value that this SerialClob object represents, starting at position pos. |
| [OutputStream](http://docs.google.com/java/io/OutputStream.html) | **SerialBlob.**[**setBinaryStream**](http://docs.google.com/javax/sql/rowset/serial/SerialBlob.html#setBinaryStream(long))(long pos)            Retrieves a stream that can be used to write to the BLOB value that this Blob object represents. |
| int | **SerialBlob.**[**setBytes**](http://docs.google.com/javax/sql/rowset/serial/SerialBlob.html#setBytes(long,%20byte%5B%5D))(long pos, byte[] bytes)            Writes the given array of bytes to the BLOB value that this Blob object represents, starting at position pos, and returns the number of bytes written. |
| int | **SerialBlob.**[**setBytes**](http://docs.google.com/javax/sql/rowset/serial/SerialBlob.html#setBytes(long,%20byte%5B%5D,%20int,%20int))(long pos, byte[] bytes, int offset, int length)            Writes all or part of the given byte array to the BLOB value that this Blob object represents and returns the number of bytes written. |
| [Writer](http://docs.google.com/java/io/Writer.html) | **SerialClob.**[**setCharacterStream**](http://docs.google.com/javax/sql/rowset/serial/SerialClob.html#setCharacterStream(long))(long pos)            Retrieves a stream to be used to write a stream of Unicode characters to the CLOB value that this SerialClob object represents, at position pos. |
| void | **SerialRef.**[**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. |
| int | **SerialClob.**[**setString**](http://docs.google.com/javax/sql/rowset/serial/SerialClob.html#setString(long,%20java.lang.String))(long pos, [String](http://docs.google.com/java/lang/String.html) str)            Writes the given Java String to the CLOB value that this SerialClob object represents, at the position pos. |
| int | **SerialClob.**[**setString**](http://docs.google.com/javax/sql/rowset/serial/SerialClob.html#setString(long,%20java.lang.String,%20int,%20int))(long pos, [String](http://docs.google.com/java/lang/String.html) str, int offset, int length)            Writes len characters of str, starting at character offset, to the CLOB value that this Clob represents. |
| void | **SerialClob.**[**truncate**](http://docs.google.com/javax/sql/rowset/serial/SerialClob.html#truncate(long))(long length)            Truncates the CLOB value that this SerialClob object represents so that it has a length of len characters. |
| void | **SerialBlob.**[**truncate**](http://docs.google.com/javax/sql/rowset/serial/SerialBlob.html#truncate(long))(long length)            Truncates the BLOB value that this Blob object represents to be len bytes in length. |

| Constructors in [javax.sql.rowset.serial](http://docs.google.com/javax/sql/rowset/serial/package-summary.html) that throw [SerialException](http://docs.google.com/javax/sql/rowset/serial/SerialException.html) | |
| --- | --- |
| [**SerialArray**](http://docs.google.com/javax/sql/rowset/serial/SerialArray.html#SerialArray(java.sql.Array))([Array](http://docs.google.com/java/sql/Array.html) array)            Constructs a new SerialArray object from the given Array object. |
| [**SerialArray**](http://docs.google.com/javax/sql/rowset/serial/SerialArray.html#SerialArray(java.sql.Array,%20java.util.Map))([Array](http://docs.google.com/java/sql/Array.html) array, [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)            Constructs a new SerialArray object from the given Array object, using the given type map for the custom mapping of each element when the elements are SQL UDTs. |
| [**SerialBlob**](http://docs.google.com/javax/sql/rowset/serial/SerialBlob.html#SerialBlob(java.sql.Blob))([Blob](http://docs.google.com/java/sql/Blob.html) blob)            Constructs a SerialBlob object that is a serialized version of the given Blob object. |
| [**SerialBlob**](http://docs.google.com/javax/sql/rowset/serial/SerialBlob.html#SerialBlob(byte%5B%5D))(byte[] b)            Constructs a SerialBlob object that is a serialized version of the given byte array. |
| [**SerialClob**](http://docs.google.com/javax/sql/rowset/serial/SerialClob.html#SerialClob(char%5B%5D))(char[] ch)            Constructs a SerialClob object that is a serialized version of the given char array. |
| [**SerialClob**](http://docs.google.com/javax/sql/rowset/serial/SerialClob.html#SerialClob(java.sql.Clob))([Clob](http://docs.google.com/java/sql/Clob.html) clob)            Constructs a SerialClob object that is a serialized version of the given Clob object. |
| [**SerialDatalink**](http://docs.google.com/javax/sql/rowset/serial/SerialDatalink.html#SerialDatalink(java.net.URL))([URL](http://docs.google.com/java/net/URL.html) url)            Constructs a new SerialDatalink object from the given java.net.URL object. |
| [**SerialJavaObject**](http://docs.google.com/javax/sql/rowset/serial/SerialJavaObject.html#SerialJavaObject(java.lang.Object))([Object](http://docs.google.com/java/lang/Object.html) obj)            Constructor for SerialJavaObject helper class. |
| [**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. |
| [**SerialStruct**](http://docs.google.com/javax/sql/rowset/serial/SerialStruct.html#SerialStruct(java.sql.SQLData,%20java.util.Map))([SQLData](http://docs.google.com/java/sql/SQLData.html) in, [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)            Constructs a SerialStruct object from the given SQLData object, using the given type map to custom map it to a class in the Java programming language. |
| [**SerialStruct**](http://docs.google.com/javax/sql/rowset/serial/SerialStruct.html#SerialStruct(java.sql.Struct,%20java.util.Map))([Struct](http://docs.google.com/java/sql/Struct.html) in, [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)            Constructs a SerialStruct object from the given Struct object, using the given java.util.Map object for custom mapping the SQL structured type or any of its attributes that are SQL structured types. |

| | [**Overview**](http://docs.google.com/overview-summary.html) | [**Package**](http://docs.google.com/package-summary.html) | [**Class**](http://docs.google.com/javax/sql/rowset/serial/SerialException.html) | **Use** | [**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   NEXT | [**FRAMES**](http://docs.google.com/index.html?javax/sql/rowset/serial//class-useSerialException.html)    [**NO FRAMES**](http://docs.google.com/SerialException.html)     [**All Classes**](http://docs.google.com/allclasses-noframe.html) |

[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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