| | [**Overview**](http://docs.google.com/overview-summary.html) | [**Package**](http://docs.google.com/package-summary.html) | **Class** | [**Use**](http://docs.google.com/class-use/SerialStruct.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/SerialRef.html)   [**NEXT CLASS**](http://docs.google.com/javax/sql/rowset/serial/SQLInputImpl.html) | [**FRAMES**](http://docs.google.com/index.html?javax/sql/rowset/serial/SerialStruct.html)    [**NO FRAMES**](http://docs.google.com/SerialStruct.html)     [**All Classes**](http://docs.google.com/allclasses-noframe.html) |
| SUMMARY: NESTED | FIELD | [CONSTR](#3znysh7) | [METHOD](#2et92p0) | DETAIL: FIELD | [CONSTR](#3dy6vkm) | [METHOD](#2s8eyo1) |

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

Class SerialStruct

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

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

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

A serialized mapping in the Java programming language of an SQL structured type. Each attribute that is not already serialized is mapped to a serialized form, and if an attribute is itself a structured type, each of its attributes that is not already serialized is mapped to a serialized form.

In addition, the structured type is custom mapped to a class in the Java programming language if there is such a mapping, as are its attributes, if appropriate.

The SerialStruct class provides a constructor for creating an instance from a Struct object, a method for retrieving the SQL type name of the SQL structured type in the database, and methods for retrieving its attribute values.

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

| **Constructor Summary** | |
| --- | --- |
| [**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. |

| **Method Summary** | |
| --- | --- |
| [Object](http://docs.google.com/java/lang/Object.html)[] | [**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)[] | [**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. |
| [String](http://docs.google.com/java/lang/String.html) | [**getSQLTypeName**](http://docs.google.com/javax/sql/rowset/serial/SerialStruct.html#getSQLTypeName())()            Retrieves the SQL type name for this SerialStruct 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** |
| --- |

### SerialStruct

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

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.

**Parameters:**map - a java.util.Map object in which each entry consists of 1) a String object 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 **Throws:** [SerialException](http://docs.google.com/javax/sql/rowset/serial/SerialException.html) - if an error occurs**See Also:**[Struct](http://docs.google.com/java/sql/Struct.html)

### SerialStruct

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

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. The type map gives the SQL type and the class to which it is mapped. The SQLData object defines the class to which the SQL type will be mapped.

**Parameters:**in - an instance of the SQLData class that defines the mapping of the SQL structured type to one or more objects in the Java programming languagemap - a java.util.Map object in which each entry consists of 1) a String object 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 **Throws:** [SerialException](http://docs.google.com/javax/sql/rowset/serial/SerialException.html) - if an error occurs

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

### getSQLTypeName

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

Retrieves the SQL type name for this SerialStruct object. This is the name used in the SQL definition of the structured type

**Specified by:**[getSQLTypeName](http://docs.google.com/java/sql/Struct.html#getSQLTypeName()) in interface [Struct](http://docs.google.com/java/sql/Struct.html) **Returns:**a String object representing the SQL type name for the SQL structured type that this SerialStruct object represents **Throws:** [SerialException](http://docs.google.com/javax/sql/rowset/serial/SerialException.html) - if an error occurs

### getAttributes

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

Retrieves an array of Object values containing the attributes of the SQL structured type that this SerialStruct object represents.

**Specified by:**[getAttributes](http://docs.google.com/java/sql/Struct.html#getAttributes()) in interface [Struct](http://docs.google.com/java/sql/Struct.html) **Returns:**an array of Object values, with each element being an attribute of the SQL structured type that this SerialStruct object represents **Throws:** [SerialException](http://docs.google.com/javax/sql/rowset/serial/SerialException.html) - if an error occurs

### getAttributes

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

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.

**Specified by:**[getAttributes](http://docs.google.com/java/sql/Struct.html#getAttributes(java.util.Map)) in interface [Struct](http://docs.google.com/java/sql/Struct.html) **Parameters:**map - a java.util.Map object in which each entry consists of 1) a String object 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 array of Object values, with each element being an attribute of the SQL structured type that this SerialStruct object represents **Throws:** [SerialException](http://docs.google.com/javax/sql/rowset/serial/SerialException.html) - if an error occurs

| | [**Overview**](http://docs.google.com/overview-summary.html) | [**Package**](http://docs.google.com/package-summary.html) | **Class** | [**Use**](http://docs.google.com/class-use/SerialStruct.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/SerialRef.html)   [**NEXT CLASS**](http://docs.google.com/javax/sql/rowset/serial/SQLInputImpl.html) | [**FRAMES**](http://docs.google.com/index.html?javax/sql/rowset/serial/SerialStruct.html)    [**NO FRAMES**](http://docs.google.com/SerialStruct.html)     [**All Classes**](http://docs.google.com/allclasses-noframe.html) |
| SUMMARY: NESTED | FIELD | [CONSTR](#3znysh7) | [METHOD](#2et92p0) | DETAIL: FIELD | [CONSTR](#3dy6vkm) | [METHOD](#2s8eyo1) |

[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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