| | [**Overview**](http://docs.google.com/overview-summary.html) | [**Package**](http://docs.google.com/package-summary.html) | **Class** | [**Use**](http://docs.google.com/class-use/SQLRecoverableException.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/sql/SQLPermission.html)   [**NEXT CLASS**](http://docs.google.com/java/sql/SQLSyntaxErrorException.html) | [**FRAMES**](http://docs.google.com/index.html?java/sql/SQLRecoverableException.html)    [**NO FRAMES**](http://docs.google.com/SQLRecoverableException.html)     [**All Classes**](http://docs.google.com/allclasses-noframe.html) |
| SUMMARY: NESTED | FIELD | [CONSTR](#3znysh7) | [METHOD](#tyjcwt) | DETAIL: FIELD | [CONSTR](#4d34og8) | METHOD |

## **java.sql**

Class SQLRecoverableException

[java.lang.Object](http://docs.google.com/java/lang/Object.html)  
 [java.lang.Throwable](http://docs.google.com/java/lang/Throwable.html)  
 [java.lang.Exception](http://docs.google.com/java/lang/Exception.html)  
 [java.sql.SQLException](http://docs.google.com/java/sql/SQLException.html)  
 **java.sql.SQLRecoverableException**

**All Implemented Interfaces:** [Serializable](http://docs.google.com/java/io/Serializable.html), [Iterable](http://docs.google.com/java/lang/Iterable.html)<[Throwable](http://docs.google.com/java/lang/Throwable.html)>

public class **SQLRecoverableException**extends [SQLException](http://docs.google.com/java/sql/SQLException.html)

The subclass of [SQLException](http://docs.google.com/java/sql/SQLException.html) thrown in situations where a previously failed operation might be able to succeed if the application performs some recovery steps and retries the entire transaction or in the case of a distributed transaction, the transaction branch. At a minimum, the recovery operation must include closing the current connection and getting a new connection.

**Since:** 1.6 **See Also:**[Serialized Form](http://docs.google.com/serialized-form.html#java.sql.SQLRecoverableException)

| **Constructor Summary** | |
| --- | --- |
| [**SQLRecoverableException**](http://docs.google.com/java/sql/SQLRecoverableException.html#SQLRecoverableException())()            Constructs a SQLRecoverableException object. |
| [**SQLRecoverableException**](http://docs.google.com/java/sql/SQLRecoverableException.html#SQLRecoverableException(java.lang.String))([String](http://docs.google.com/java/lang/String.html) reason)            Constructs a SQLRecoverableException object with a given reason. |
| [**SQLRecoverableException**](http://docs.google.com/java/sql/SQLRecoverableException.html#SQLRecoverableException(java.lang.String,%20java.lang.String))([String](http://docs.google.com/java/lang/String.html) reason, [String](http://docs.google.com/java/lang/String.html) SQLState)            Constructs a SQLRecoverableException object with a given reason and SQLState. |
| [**SQLRecoverableException**](http://docs.google.com/java/sql/SQLRecoverableException.html#SQLRecoverableException(java.lang.String,%20java.lang.String,%20int))([String](http://docs.google.com/java/lang/String.html) reason, [String](http://docs.google.com/java/lang/String.html) SQLState, int vendorCode)            Constructs a SQLRecoverableException object with a given reason, SQLState and vendorCode. |
| [**SQLRecoverableException**](http://docs.google.com/java/sql/SQLRecoverableException.html#SQLRecoverableException(java.lang.String,%20java.lang.String,%20int,%20java.lang.Throwable))([String](http://docs.google.com/java/lang/String.html) reason, [String](http://docs.google.com/java/lang/String.html) SQLState, int vendorCode, [Throwable](http://docs.google.com/java/lang/Throwable.html) cause)            Constructs a SQLRecoverableException object with a given reason, SQLState, vendorCode and cause. |
| [**SQLRecoverableException**](http://docs.google.com/java/sql/SQLRecoverableException.html#SQLRecoverableException(java.lang.String,%20java.lang.String,%20java.lang.Throwable))([String](http://docs.google.com/java/lang/String.html) reason, [String](http://docs.google.com/java/lang/String.html) SQLState, [Throwable](http://docs.google.com/java/lang/Throwable.html) cause)            Constructs a SQLRecoverableException object with a given reason, SQLState and cause. |
| [**SQLRecoverableException**](http://docs.google.com/java/sql/SQLRecoverableException.html#SQLRecoverableException(java.lang.String,%20java.lang.Throwable))([String](http://docs.google.com/java/lang/String.html) reason, [Throwable](http://docs.google.com/java/lang/Throwable.html) cause)            Constructs a SQLRecoverableException object with a given reason and cause. |
| [**SQLRecoverableException**](http://docs.google.com/java/sql/SQLRecoverableException.html#SQLRecoverableException(java.lang.Throwable))([Throwable](http://docs.google.com/java/lang/Throwable.html) cause)            Constructs a SQLRecoverableException object with a given cause. |

| **Method Summary** | |
| --- | --- |

| **Methods inherited from class java.sql.**[**SQLException**](http://docs.google.com/java/sql/SQLException.html) |
| --- |
| [getErrorCode](http://docs.google.com/java/sql/SQLException.html#getErrorCode()), [getNextException](http://docs.google.com/java/sql/SQLException.html#getNextException()), [getSQLState](http://docs.google.com/java/sql/SQLException.html#getSQLState()), [iterator](http://docs.google.com/java/sql/SQLException.html#iterator()), [setNextException](http://docs.google.com/java/sql/SQLException.html#setNextException(java.sql.SQLException)) |

| **Methods inherited from class java.lang.**[**Throwable**](http://docs.google.com/java/lang/Throwable.html) |
| --- |
| [fillInStackTrace](http://docs.google.com/java/lang/Throwable.html#fillInStackTrace()), [getCause](http://docs.google.com/java/lang/Throwable.html#getCause()), [getLocalizedMessage](http://docs.google.com/java/lang/Throwable.html#getLocalizedMessage()), [getMessage](http://docs.google.com/java/lang/Throwable.html#getMessage()), [getStackTrace](http://docs.google.com/java/lang/Throwable.html#getStackTrace()), [initCause](http://docs.google.com/java/lang/Throwable.html#initCause(java.lang.Throwable)), [printStackTrace](http://docs.google.com/java/lang/Throwable.html#printStackTrace()), [printStackTrace](http://docs.google.com/java/lang/Throwable.html#printStackTrace(java.io.PrintStream)), [printStackTrace](http://docs.google.com/java/lang/Throwable.html#printStackTrace(java.io.PrintWriter)), [setStackTrace](http://docs.google.com/java/lang/Throwable.html#setStackTrace(java.lang.StackTraceElement%5B%5D)), [toString](http://docs.google.com/java/lang/Throwable.html#toString()) |

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

### SQLRecoverableException

public **SQLRecoverableException**()

Constructs a SQLRecoverableException object. The reason, SQLState are initialized to null and the vendor code is initialized to 0. The cause is not initialized, and may subsequently be initialized by a call to the [Throwable.initCause(java.lang.Throwable)](http://docs.google.com/java/lang/Throwable.html#initCause(java.lang.Throwable)) method.

**Since:** 1.6

### SQLRecoverableException

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

Constructs a SQLRecoverableException object with a given reason. The SQLState is initialized to null and the vender code is initialized to 0. The cause is not initialized, and may subsequently be initialized by a call to the [Throwable.initCause(java.lang.Throwable)](http://docs.google.com/java/lang/Throwable.html#initCause(java.lang.Throwable)) method.

**Parameters:**reason - a description of the exception**Since:** 1.6

### SQLRecoverableException

public **SQLRecoverableException**([String](http://docs.google.com/java/lang/String.html) reason,  
 [String](http://docs.google.com/java/lang/String.html) SQLState)

Constructs a SQLRecoverableException object with a given reason and SQLState. The cause is not initialized, and may subsequently be initialized by a call to the [Throwable.initCause(java.lang.Throwable)](http://docs.google.com/java/lang/Throwable.html#initCause(java.lang.Throwable)) method. The vendor code is initialized to 0.

**Parameters:**reason - a description of the exceptionSQLState - an XOPEN or SQL:2003 code identifying the exception**Since:** 1.6

### SQLRecoverableException

public **SQLRecoverableException**([String](http://docs.google.com/java/lang/String.html) reason,  
 [String](http://docs.google.com/java/lang/String.html) SQLState,  
 int vendorCode)

Constructs a SQLRecoverableException object with a given reason, SQLState and vendorCode. The cause is not initialized, and may subsequently be initialized by a call to the [Throwable.initCause(java.lang.Throwable)](http://docs.google.com/java/lang/Throwable.html#initCause(java.lang.Throwable)) method.

**Parameters:**reason - a description of the exceptionSQLState - an XOPEN or SQL:2003 code identifying the exceptionvendorCode - a database vendor specific exception code**Since:** 1.6

### SQLRecoverableException

public **SQLRecoverableException**([Throwable](http://docs.google.com/java/lang/Throwable.html) cause)

Constructs a SQLRecoverableException object with a given cause. The SQLState is initialized to null and the vendor code is initialized to 0. The reason is initialized to null if cause==null or to cause.toString() if cause!=null.

**Parameters:**cause - the underlying reason for this SQLException (which is saved for later retrieval by the getCause() method); may be null indicating the cause is non-existent or unknown.**Since:** 1.6

### SQLRecoverableException

public **SQLRecoverableException**([String](http://docs.google.com/java/lang/String.html) reason,  
 [Throwable](http://docs.google.com/java/lang/Throwable.html) cause)

Constructs a SQLRecoverableException object with a given reason and cause. The SQLState is initialized to null and the vendor code is initialized to 0.

**Parameters:**reason - a description of the exception.cause - the underlying reason for this SQLException (which is saved for later retrieval by the getCause() method); may be null indicating the cause is non-existent or unknown.**Since:** 1.6

### SQLRecoverableException

public **SQLRecoverableException**([String](http://docs.google.com/java/lang/String.html) reason,  
 [String](http://docs.google.com/java/lang/String.html) SQLState,  
 [Throwable](http://docs.google.com/java/lang/Throwable.html) cause)

Constructs a SQLRecoverableException object with a given reason, SQLState and cause. The vendor code is initialized to 0.

**Parameters:**reason - a description of the exception.SQLState - an XOPEN or SQL:2003 code identifying the exceptioncause - the underlying reason for this SQLException (which is saved for later retrieval by the getCause() method); may be null indicating the cause is non-existent or unknown.**Since:** 1.6

### SQLRecoverableException

public **SQLRecoverableException**([String](http://docs.google.com/java/lang/String.html) reason,  
 [String](http://docs.google.com/java/lang/String.html) SQLState,  
 int vendorCode,  
 [Throwable](http://docs.google.com/java/lang/Throwable.html) cause)

Constructs a SQLRecoverableException object with a given reason, SQLState, vendorCode and cause.

**Parameters:**reason - a description of the exceptionSQLState - an XOPEN or SQL:2003 code identifying the exceptionvendorCode - a database vendor-specific exception codecause - the underlying reason for this SQLException (which is saved for later retrieval by the getCause() method); may be null indicating the cause is non-existent or unknown.**Since:** 1.6

| | [**Overview**](http://docs.google.com/overview-summary.html) | [**Package**](http://docs.google.com/package-summary.html) | **Class** | [**Use**](http://docs.google.com/class-use/SQLRecoverableException.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/sql/SQLPermission.html)   [**NEXT CLASS**](http://docs.google.com/java/sql/SQLSyntaxErrorException.html) | [**FRAMES**](http://docs.google.com/index.html?java/sql/SQLRecoverableException.html)    [**NO FRAMES**](http://docs.google.com/SQLRecoverableException.html)     [**All Classes**](http://docs.google.com/allclasses-noframe.html) |
| SUMMARY: NESTED | FIELD | [CONSTR](#3znysh7) | [METHOD](#tyjcwt) | DETAIL: FIELD | [CONSTR](#4d34og8) | METHOD |

[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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