| | [**Overview**](http://docs.google.com/overview-summary.html) | [**Package**](http://docs.google.com/package-summary.html) | **Class** | [**Use**](http://docs.google.com/class-use/BatchUpdateException.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/Array.html)   [**NEXT CLASS**](http://docs.google.com/java/sql/Blob.html) | [**FRAMES**](http://docs.google.com/index.html?java/sql/BatchUpdateException.html)    [**NO FRAMES**](http://docs.google.com/BatchUpdateException.html)     [**All Classes**](http://docs.google.com/allclasses-noframe.html) |
| SUMMARY: NESTED | FIELD | [CONSTR](#3znysh7) | [METHOD](#2et92p0) | DETAIL: FIELD | [CONSTR](#4d34og8) | [METHOD](#3j2qqm3) |

## **java.sql**

Class BatchUpdateException

[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.BatchUpdateException**

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

The subclass of [SQLException](http://docs.google.com/java/sql/SQLException.html) thrown when an error occurs during a batch update operation. In addition to the information provided by [SQLException](http://docs.google.com/java/sql/SQLException.html), a BatchUpdateException provides the update counts for all commands that were executed successfully during the batch update, that is, all commands that were executed before the error occurred. The order of elements in an array of update counts corresponds to the order in which commands were added to the batch.

After a command in a batch update fails to execute properly and a BatchUpdateException is thrown, the driver may or may not continue to process the remaining commands in the batch. If the driver continues processing after a failure, the array returned by the method BatchUpdateException.getUpdateCounts will have an element for every command in the batch rather than only elements for the commands that executed successfully before the error. In the case where the driver continues processing commands, the array element for any command that failed is Statement.EXECUTE\_FAILED.

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

| **Constructor Summary** | |
| --- | --- |
| [**BatchUpdateException**](http://docs.google.com/java/sql/BatchUpdateException.html#BatchUpdateException())()            Constructs a BatchUpdateException object. |
| [**BatchUpdateException**](http://docs.google.com/java/sql/BatchUpdateException.html#BatchUpdateException(int%5B%5D))(int[] updateCounts)            Constructs a BatchUpdateException object initialized with a given updateCounts. |
| [**BatchUpdateException**](http://docs.google.com/java/sql/BatchUpdateException.html#BatchUpdateException(int%5B%5D,%20java.lang.Throwable))(int[] updateCounts, [Throwable](http://docs.google.com/java/lang/Throwable.html) cause)            Constructs a BatchUpdateException object initialized with a given cause and updateCounts. |
| [**BatchUpdateException**](http://docs.google.com/java/sql/BatchUpdateException.html#BatchUpdateException(java.lang.String,%20int%5B%5D))([String](http://docs.google.com/java/lang/String.html) reason, int[] updateCounts)            Constructs a BatchUpdateException object initialized with a given reason and updateCounts. |
| [**BatchUpdateException**](http://docs.google.com/java/sql/BatchUpdateException.html#BatchUpdateException(java.lang.String,%20int%5B%5D,%20java.lang.Throwable))([String](http://docs.google.com/java/lang/String.html) reason, int[] updateCounts, [Throwable](http://docs.google.com/java/lang/Throwable.html) cause)            Constructs a BatchUpdateException object initialized with a given reason, cause and updateCounts. |
| [**BatchUpdateException**](http://docs.google.com/java/sql/BatchUpdateException.html#BatchUpdateException(java.lang.String,%20java.lang.String,%20int%5B%5D))([String](http://docs.google.com/java/lang/String.html) reason, [String](http://docs.google.com/java/lang/String.html) SQLState, int[] updateCounts)            Constructs a BatchUpdateException object initialized with a given reason, SQLState and updateCounts. |
| [**BatchUpdateException**](http://docs.google.com/java/sql/BatchUpdateException.html#BatchUpdateException(java.lang.String,%20java.lang.String,%20int%5B%5D,%20java.lang.Throwable))([String](http://docs.google.com/java/lang/String.html) reason, [String](http://docs.google.com/java/lang/String.html) SQLState, int[] updateCounts, [Throwable](http://docs.google.com/java/lang/Throwable.html) cause)            Constructs a BatchUpdateException object initialized with a given reason, SQLState,cause, and updateCounts. |
| [**BatchUpdateException**](http://docs.google.com/java/sql/BatchUpdateException.html#BatchUpdateException(java.lang.String,%20java.lang.String,%20int,%20int%5B%5D))([String](http://docs.google.com/java/lang/String.html) reason, [String](http://docs.google.com/java/lang/String.html) SQLState, int vendorCode, int[] updateCounts)            Constructs a BatchUpdateException object initialized with a given reason, SQLState, vendorCode and updateCounts. |
| [**BatchUpdateException**](http://docs.google.com/java/sql/BatchUpdateException.html#BatchUpdateException(java.lang.String,%20java.lang.String,%20int,%20int%5B%5D,%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, int[] updateCounts, [Throwable](http://docs.google.com/java/lang/Throwable.html) cause)            Constructs a BatchUpdateException object initialized with a given reason, SQLState, vendorCode cause and updateCounts. |
| [**BatchUpdateException**](http://docs.google.com/java/sql/BatchUpdateException.html#BatchUpdateException(java.lang.Throwable))([Throwable](http://docs.google.com/java/lang/Throwable.html) cause)            Constructs a BatchUpdateException object initialized with a given cause. |

| **Method Summary** | |
| --- | --- |
| int[] | [**getUpdateCounts**](http://docs.google.com/java/sql/BatchUpdateException.html#getUpdateCounts())()            Retrieves the update count for each update statement in the batch update that executed successfully before this exception occurred. |

| **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** |
| --- |

### BatchUpdateException

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

Constructs a BatchUpdateException object initialized with a given reason, SQLState, vendorCode and updateCounts. 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 errorSQLState - an XOPEN or SQL:2003 code identifying the exceptionvendorCode - an exception code used by a particular database vendorupdateCounts - an array of int, with each element indicating the update count, Statement.SUCCESS\_NO\_INFO or Statement.EXECUTE\_FAILED for each SQL command in the batch for JDBC drivers that continue processing after a command failure; an update count or Statement.SUCCESS\_NO\_INFO for each SQL command in the batch prior to the failure for JDBC drivers that stop processing after a command failure**Since:** 1.2

### BatchUpdateException

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

Constructs a BatchUpdateException object initialized with a given reason, SQLState and updateCounts. 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 intialized to 0.

**Parameters:**reason - a description of the exceptionSQLState - an XOPEN or SQL:2003 code identifying the exceptionupdateCounts - an array of int, with each element indicating the update count, Statement.SUCCESS\_NO\_INFO or Statement.EXECUTE\_FAILED for each SQL command in the batch for JDBC drivers that continue processing after a command failure; an update count or Statement.SUCCESS\_NO\_INFO for each SQL command in the batch prior to the failure for JDBC drivers that stop processing after a command failure**Since:** 1.2

### BatchUpdateException

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

Constructs a BatchUpdateException object initialized with a given reason and updateCounts. 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 SQLState is initialized to null and the vender code is initialized to 0.

**Parameters:**reason - a description of the exceptionupdateCounts - an array of int, with each element indicating the update count, Statement.SUCCESS\_NO\_INFO or Statement.EXECUTE\_FAILED for each SQL command in the batch for JDBC drivers that continue processing after a command failure; an update count or Statement.SUCCESS\_NO\_INFO for each SQL command in the batch prior to the failure for JDBC drivers that stop processing after a command failure**Since:** 1.2

### BatchUpdateException

public **BatchUpdateException**(int[] updateCounts)

Constructs a BatchUpdateException object initialized with a given updateCounts. 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 reason and SQLState are initialized to null and the vendor code is initialized to 0.

**Parameters:**updateCounts - an array of int, with each element indicating the update count, Statement.SUCCESS\_NO\_INFO or Statement.EXECUTE\_FAILED for each SQL command in the batch for JDBC drivers that continue processing after a command failure; an update count or Statement.SUCCESS\_NO\_INFO for each SQL command in the batch prior to the failure for JDBC drivers that stop processing after a command failure**Since:** 1.2

### BatchUpdateException

public **BatchUpdateException**()

Constructs a BatchUpdateException object. The reason, SQLState and updateCounts 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:** 1.2

### BatchUpdateException

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

Constructs a BatchUpdateException object initialized with a given cause. The SQLState and updateCounts are 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

### BatchUpdateException

public **BatchUpdateException**(int[] updateCounts,  
 [Throwable](http://docs.google.com/java/lang/Throwable.html) cause)

Constructs a BatchUpdateException object initialized with a given cause and updateCounts. 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:**updateCounts - an array of int, with each element indicating the update count, Statement.SUCCESS\_NO\_INFO or Statement.EXECUTE\_FAILED for each SQL command in the batch for JDBC drivers that continue processing after a command failure; an update count or Statement.SUCCESS\_NO\_INFO for each SQL command in the batch prior to the failure for JDBC drivers that stop processing after a command failurecause - 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

### BatchUpdateException

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

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

**Parameters:**reason - a description of the exceptionupdateCounts - an array of int, with each element indicating the update count, Statement.SUCCESS\_NO\_INFO or Statement.EXECUTE\_FAILED for each SQL command in the batch for JDBC drivers that continue processing after a command failure; an update count or Statement.SUCCESS\_NO\_INFO for each SQL command in the batch prior to the failure for JDBC drivers that stop processing after a command failurecause - 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

### BatchUpdateException

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

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

**Parameters:**reason - a description of the exceptionSQLState - an XOPEN or SQL:2003 code identifying the exceptionupdateCounts - an array of int, with each element indicating the update count, Statement.SUCCESS\_NO\_INFO or Statement.EXECUTE\_FAILED for each SQL command in the batch for JDBC drivers that continue processing after a command failure; an update count or Statement.SUCCESS\_NO\_INFO for each SQL command in the batch prior to the failure for JDBC drivers that stop processing after a command failurecause - 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

### BatchUpdateException

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

Constructs a BatchUpdateException object initialized with a given reason, SQLState, vendorCode cause and updateCounts.

**Parameters:**reason - a description of the errorSQLState - an XOPEN or SQL:2003 code identifying the exceptionvendorCode - an exception code used by a particular database vendorupdateCounts - an array of int, with each element indicating the update count, Statement.SUCCESS\_NO\_INFO or Statement.EXECUTE\_FAILED for each SQL command in the batch for JDBC drivers that continue processing after a command failure; an update count or Statement.SUCCESS\_NO\_INFO for each SQL command in the batch prior to the failure for JDBC drivers that stop processing after a command failurecause - 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

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

### getUpdateCounts

public int[] **getUpdateCounts**()

Retrieves the update count for each update statement in the batch update that executed successfully before this exception occurred. A driver that implements batch updates may or may not continue to process the remaining commands in a batch when one of the commands fails to execute properly. If the driver continues processing commands, the array returned by this method will have as many elements as there are commands in the batch; otherwise, it will contain an update count for each command that executed successfully before the BatchUpdateException was thrown.

The possible return values for this method were modified for the Java 2 SDK, Standard Edition, version 1.3. This was done to accommodate the new option of continuing to process commands in a batch update after a BatchUpdateException object has been thrown.

**Returns:**an array of int containing the update counts for the updates that were executed successfully before this error occurred. Or, if the driver continues to process commands after an error, one of the following for every command in the batch:

1. an update count
2. Statement.SUCCESS\_NO\_INFO to indicate that the command executed successfully but the number of rows affected is unknown
3. Statement.EXECUTE\_FAILED to indicate that the command failed to execute successfully

**Since:** 1.3

| | [**Overview**](http://docs.google.com/overview-summary.html) | [**Package**](http://docs.google.com/package-summary.html) | **Class** | [**Use**](http://docs.google.com/class-use/BatchUpdateException.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/Array.html)   [**NEXT CLASS**](http://docs.google.com/java/sql/Blob.html) | [**FRAMES**](http://docs.google.com/index.html?java/sql/BatchUpdateException.html)    [**NO FRAMES**](http://docs.google.com/BatchUpdateException.html)     [**All Classes**](http://docs.google.com/allclasses-noframe.html) |
| SUMMARY: NESTED | FIELD | [CONSTR](#3znysh7) | [METHOD](#2et92p0) | DETAIL: FIELD | [CONSTR](#4d34og8) | [METHOD](#3j2qqm3) |

[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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