| | [**Overview**](http://docs.google.com/overview-summary.html) | [**Package**](http://docs.google.com/package-summary.html) | **Class** | [**Use**](http://docs.google.com/class-use/DataTruncation.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/DatabaseMetaData.html)   [**NEXT CLASS**](http://docs.google.com/java/sql/Date.html) | [**FRAMES**](http://docs.google.com/index.html?java/sql/DataTruncation.html)    [**NO FRAMES**](http://docs.google.com/DataTruncation.html)     [**All Classes**](http://docs.google.com/allclasses-noframe.html) |
| SUMMARY: NESTED | FIELD | [CONSTR](#3znysh7) | [METHOD](#2et92p0) | DETAIL: FIELD | [CONSTR](#2s8eyo1) | [METHOD](#26in1rg) |

## **java.sql**

Class DataTruncation

[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.SQLWarning](http://docs.google.com/java/sql/SQLWarning.html)  
 **java.sql.DataTruncation**

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

An exception thrown as a DataTruncation exception (on writes) or reported as a DataTruncation warning (on reads) when a data values is unexpectedly truncated for reasons other than its having execeeded MaxFieldSize.

The SQLstate for a DataTruncation during read is 01004.

The SQLstate for a DataTruncation during write is 22001.

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

| **Constructor Summary** | |
| --- | --- |
| [**DataTruncation**](http://docs.google.com/java/sql/DataTruncation.html#DataTruncation(int,%20boolean,%20boolean,%20int,%20int))(int index, boolean parameter, boolean read, int dataSize, int transferSize)            Creates a DataTruncation object with the SQLState initialized to 01004 when read is set to true and 22001 when read is set to false, the reason set to "Data truncation", the vendor code set to 0, and the other fields set to the given values. |
| [**DataTruncation**](http://docs.google.com/java/sql/DataTruncation.html#DataTruncation(int,%20boolean,%20boolean,%20int,%20int,%20java.lang.Throwable))(int index, boolean parameter, boolean read, int dataSize, int transferSize, [Throwable](http://docs.google.com/java/lang/Throwable.html) cause)            Creates a DataTruncation object with the SQLState initialized to 01004 when read is set to true and 22001 when read is set to false, the reason set to "Data truncation", the vendor code set to 0, and the other fields set to the given values. |

| **Method Summary** | |
| --- | --- |
| int | [**getDataSize**](http://docs.google.com/java/sql/DataTruncation.html#getDataSize())()            Gets the number of bytes of data that should have been transferred. |
| int | [**getIndex**](http://docs.google.com/java/sql/DataTruncation.html#getIndex())()            Retrieves the index of the column or parameter that was truncated. |
| boolean | [**getParameter**](http://docs.google.com/java/sql/DataTruncation.html#getParameter())()            Indicates whether the value truncated was a parameter value or a column value. |
| boolean | [**getRead**](http://docs.google.com/java/sql/DataTruncation.html#getRead())()            Indicates whether or not the value was truncated on a read. |
| int | [**getTransferSize**](http://docs.google.com/java/sql/DataTruncation.html#getTransferSize())()            Gets the number of bytes of data actually transferred. |

| **Methods inherited from class java.sql.**[**SQLWarning**](http://docs.google.com/java/sql/SQLWarning.html) |
| --- |
| [getNextWarning](http://docs.google.com/java/sql/SQLWarning.html#getNextWarning()), [setNextWarning](http://docs.google.com/java/sql/SQLWarning.html#setNextWarning(java.sql.SQLWarning)) |

| **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** |
| --- |

### DataTruncation

public **DataTruncation**(int index,  
 boolean parameter,  
 boolean read,  
 int dataSize,  
 int transferSize)

Creates a DataTruncation object with the SQLState initialized to 01004 when read is set to true and 22001 when read is set to false, the reason set to "Data truncation", the vendor code set to 0, and the other fields set to the given values. 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:**index - The index of the parameter or column valueparameter - true if a parameter value was truncatedread - true if a read was truncateddataSize - the original size of the datatransferSize - the size after truncation

### DataTruncation

public **DataTruncation**(int index,  
 boolean parameter,  
 boolean read,  
 int dataSize,  
 int transferSize,  
 [Throwable](http://docs.google.com/java/lang/Throwable.html) cause)

Creates a DataTruncation object with the SQLState initialized to 01004 when read is set to true and 22001 when read is set to false, the reason set to "Data truncation", the vendor code set to 0, and the other fields set to the given values.

**Parameters:**index - The index of the parameter or column valueparameter - true if a parameter value was truncatedread - true if a read was truncateddataSize - the original size of the datatransferSize - the size after truncationcause - the underlying reason for this DataTruncation (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** |
| --- |

### getIndex

public int **getIndex**()

Retrieves the index of the column or parameter that was truncated.

This may be -1 if the column or parameter index is unknown, in which case the parameter and read fields should be ignored.

**Returns:**the index of the truncated paramter or column value

### getParameter

public boolean **getParameter**()

Indicates whether the value truncated was a parameter value or a column value.

**Returns:**true if the value truncated was a parameter; false if it was a column value

### getRead

public boolean **getRead**()

Indicates whether or not the value was truncated on a read.

**Returns:**true if the value was truncated when read from the database; false if the data was truncated on a write

### getDataSize

public int **getDataSize**()

Gets the number of bytes of data that should have been transferred. This number may be approximate if data conversions were being performed. The value may be -1 if the size is unknown.

**Returns:**the number of bytes of data that should have been transferred

### getTransferSize

public int **getTransferSize**()

Gets the number of bytes of data actually transferred. The value may be -1 if the size is unknown.

**Returns:**the number of bytes of data actually transferred

| | [**Overview**](http://docs.google.com/overview-summary.html) | [**Package**](http://docs.google.com/package-summary.html) | **Class** | [**Use**](http://docs.google.com/class-use/DataTruncation.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*** |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
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| SUMMARY: NESTED | FIELD | [CONSTR](#3znysh7) | [METHOD](#2et92p0) | DETAIL: FIELD | [CONSTR](#2s8eyo1) | [METHOD](#26in1rg) |

[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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