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

## **javax.sql**

Interface StatementEventListener

**All Superinterfaces:** [EventListener](http://docs.google.com/java/util/EventListener.html)

public interface **StatementEventListener**extends [EventListener](http://docs.google.com/java/util/EventListener.html)

An object that registers to be notified of events that occur on PreparedStatements that are in the Statement pool.

The JDBC 3.0 specification added the maxStatements ConnectionPooledDataSource property to provide a standard mechanism for enabling the pooling of PreparedStatements and to specify the size of the statement pool. However, there was no way for a driver to notify an external statement pool when a PreparedStatement becomes invalid. For some databases, a statement becomes invalid if a DDL operation is performed that affects the table. For example an application may create a temporary table to do some work on the table and then destroy it. It may later recreate the same table when it is needed again. Some databases will invalidate any prepared statements that reference the temporary table when the table is dropped.

Similar to the methods defined in the ConnectionEventListener interface, the driver will call the StatementEventListener.statementErrorOccurred method prior to throwing any exceptions when it detects a statement is invalid. The driver will also call the StatementEventListener.statementClosed method when a PreparedStatement is closed.

Methods which allow a component to register a StatementEventListener with a PooledConnection have been added to the PooledConnection interface.

**Since:** 1.6

| **Method Summary** | |
| --- | --- |
| void | [**statementClosed**](http://docs.google.com/javax/sql/StatementEventListener.html#statementClosed(javax.sql.StatementEvent))([StatementEvent](http://docs.google.com/javax/sql/StatementEvent.html) event)            The driver calls this method on all StatementEventListeners registered on the connection when it detects that a PreparedStatement is closed. |
| void | [**statementErrorOccurred**](http://docs.google.com/javax/sql/StatementEventListener.html#statementErrorOccurred(javax.sql.StatementEvent))([StatementEvent](http://docs.google.com/javax/sql/StatementEvent.html) event)            The driver calls this method on all StatementEventListeners registered on the connection when it detects that a PreparedStatement is invalid. |

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

### statementClosed

void **statementClosed**([StatementEvent](http://docs.google.com/javax/sql/StatementEvent.html) event)

The driver calls this method on all StatementEventListeners registered on the connection when it detects that a PreparedStatement is closed.

**Parameters:**event - an event object describing the source of the event and that the PreparedStatement was closed.**Since:** 1.6

### statementErrorOccurred

void **statementErrorOccurred**([StatementEvent](http://docs.google.com/javax/sql/StatementEvent.html) event)

The driver calls this method on all StatementEventListeners registered on the connection when it detects that a PreparedStatement is invalid. The driver calls this method just before it throws the SQLException, contained in the given event, to the application.

**Parameters:**event - an event object describing the source of the event, the statement that is invalid and the exception the driver is about to throw. The source of the event is the PooledConnection which the invalid PreparedStatement is associated with.

**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/StatementEventListener.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/StatementEvent.html)   [**NEXT CLASS**](http://docs.google.com/javax/sql/XAConnection.html) | [**FRAMES**](http://docs.google.com/index.html?javax/sql/StatementEventListener.html)    [**NO FRAMES**](http://docs.google.com/StatementEventListener.html)     [**All Classes**](http://docs.google.com/allclasses-noframe.html) |
| SUMMARY: NESTED | FIELD | CONSTR | [METHOD](#3znysh7) | DETAIL: FIELD | CONSTR | [METHOD](#2et92p0) |

[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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