| | [**Overview**](http://docs.google.com/overview-summary.html) | [**Package**](http://docs.google.com/package-summary.html) | **Class** | [**Use**](http://docs.google.com/class-use/JMXConnectionNotification.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/management/remote/JMXAuthenticator.html)   [**NEXT CLASS**](http://docs.google.com/javax/management/remote/JMXConnector.html) | [**FRAMES**](http://docs.google.com/index.html?javax/management/remote/JMXConnectionNotification.html)    [**NO FRAMES**](http://docs.google.com/JMXConnectionNotification.html)     [**All Classes**](http://docs.google.com/allclasses-noframe.html) |
| SUMMARY: NESTED | [FIELD](#3znysh7) | [CONSTR](#tyjcwt) | [METHOD](#3dy6vkm) | DETAIL: [FIELD](#17dp8vu) | [CONSTR](#1ksv4uv) | [METHOD](#2jxsxqh) |

## **javax.management.remote**

Class JMXConnectionNotification

[java.lang.Object](http://docs.google.com/java/lang/Object.html)  
 [java.util.EventObject](http://docs.google.com/java/util/EventObject.html)  
 [javax.management.Notification](http://docs.google.com/javax/management/Notification.html)  
 **javax.management.remote.JMXConnectionNotification**

**All Implemented Interfaces:** [Serializable](http://docs.google.com/java/io/Serializable.html)

public class **JMXConnectionNotification**extends [Notification](http://docs.google.com/javax/management/Notification.html)

Notification emitted when a client connection is opened or closed or when notifications are lost. These notifications are sent by connector servers (instances of [JMXConnectorServer](http://docs.google.com/javax/management/remote/JMXConnectorServer.html)) and by connector clients (instances of [JMXConnector](http://docs.google.com/javax/management/remote/JMXConnector.html)). For certain connectors, a session can consist of a sequence of connections. Connection-opened and connection-closed notifications will be sent for each one.

The notification type is one of the following:

| Type | Meaning |
| --- | --- |
| jmx.remote.connection.opened | A new client connection has been opened. |
| jmx.remote.connection.closed | A client connection has been closed. |
| jmx.remote.connection.failed | A client connection has failed unexpectedly. |
| jmx.remote.connection.notifs.lost | A client connection has potentially lost notifications. This notification only appears on the client side. |

The timeStamp of the notification is a time value (consistent with [System.currentTimeMillis()](http://docs.google.com/java/lang/System.html#currentTimeMillis())) indicating when the notification was constructed.

**Since:** 1.5 **See Also:**[Serialized Form](http://docs.google.com/serialized-form.html#javax.management.remote.JMXConnectionNotification)

| **Field Summary** | |
| --- | --- |
| static [String](http://docs.google.com/java/lang/String.html) | [**CLOSED**](http://docs.google.com/javax/management/remote/JMXConnectionNotification.html#CLOSED)            Notification type string for a connection-closed notification. |
| static [String](http://docs.google.com/java/lang/String.html) | [**FAILED**](http://docs.google.com/javax/management/remote/JMXConnectionNotification.html#FAILED)            Notification type string for a connection-failed notification. |
| static [String](http://docs.google.com/java/lang/String.html) | [**NOTIFS\_LOST**](http://docs.google.com/javax/management/remote/JMXConnectionNotification.html#NOTIFS_LOST)            Notification type string for a connection that has possibly lost notifications. |
| static [String](http://docs.google.com/java/lang/String.html) | [**OPENED**](http://docs.google.com/javax/management/remote/JMXConnectionNotification.html#OPENED)            Notification type string for a connection-opened notification. |

| **Fields inherited from class javax.management.**[**Notification**](http://docs.google.com/javax/management/Notification.html) |
| --- |
| [source](http://docs.google.com/javax/management/Notification.html#source) |

| **Constructor Summary** | |
| --- | --- |
| [**JMXConnectionNotification**](http://docs.google.com/javax/management/remote/JMXConnectionNotification.html#JMXConnectionNotification(java.lang.String,%20java.lang.Object,%20java.lang.String,%20long,%20java.lang.String,%20java.lang.Object))([String](http://docs.google.com/java/lang/String.html) type, [Object](http://docs.google.com/java/lang/Object.html) source, [String](http://docs.google.com/java/lang/String.html) connectionId, long sequenceNumber, [String](http://docs.google.com/java/lang/String.html) message, [Object](http://docs.google.com/java/lang/Object.html) userData)            Constructs a new connection notification. |

| **Method Summary** | |
| --- | --- |
| [String](http://docs.google.com/java/lang/String.html) | [**getConnectionId**](http://docs.google.com/javax/management/remote/JMXConnectionNotification.html#getConnectionId())()            The connection ID to which this notification pertains. |

| **Methods inherited from class javax.management.**[**Notification**](http://docs.google.com/javax/management/Notification.html) |
| --- |
| [getMessage](http://docs.google.com/javax/management/Notification.html#getMessage()), [getSequenceNumber](http://docs.google.com/javax/management/Notification.html#getSequenceNumber()), [getTimeStamp](http://docs.google.com/javax/management/Notification.html#getTimeStamp()), [getType](http://docs.google.com/javax/management/Notification.html#getType()), [getUserData](http://docs.google.com/javax/management/Notification.html#getUserData()), [setSequenceNumber](http://docs.google.com/javax/management/Notification.html#setSequenceNumber(long)), [setSource](http://docs.google.com/javax/management/Notification.html#setSource(java.lang.Object)), [setTimeStamp](http://docs.google.com/javax/management/Notification.html#setTimeStamp(long)), [setUserData](http://docs.google.com/javax/management/Notification.html#setUserData(java.lang.Object)), [toString](http://docs.google.com/javax/management/Notification.html#toString()) |

| **Methods inherited from class java.util.**[**EventObject**](http://docs.google.com/java/util/EventObject.html) |
| --- |
| [getSource](http://docs.google.com/java/util/EventObject.html#getSource()) |

| **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)) |

| **Field Detail** |
| --- |

### OPENED

public static final [String](http://docs.google.com/java/lang/String.html) **OPENED**

Notification type string for a connection-opened notification.

**See Also:**[Constant Field Values](http://docs.google.com/constant-values.html#javax.management.remote.JMXConnectionNotification.OPENED)

### CLOSED

public static final [String](http://docs.google.com/java/lang/String.html) **CLOSED**

Notification type string for a connection-closed notification.

**See Also:**[Constant Field Values](http://docs.google.com/constant-values.html#javax.management.remote.JMXConnectionNotification.CLOSED)

### FAILED

public static final [String](http://docs.google.com/java/lang/String.html) **FAILED**

Notification type string for a connection-failed notification.

**See Also:**[Constant Field Values](http://docs.google.com/constant-values.html#javax.management.remote.JMXConnectionNotification.FAILED)

### NOTIFS\_LOST

public static final [String](http://docs.google.com/java/lang/String.html) **NOTIFS\_LOST**

Notification type string for a connection that has possibly lost notifications.

**See Also:**[Constant Field Values](http://docs.google.com/constant-values.html#javax.management.remote.JMXConnectionNotification.NOTIFS_LOST)

| **Constructor Detail** |
| --- |

### JMXConnectionNotification

public **JMXConnectionNotification**([String](http://docs.google.com/java/lang/String.html) type,  
 [Object](http://docs.google.com/java/lang/Object.html) source,  
 [String](http://docs.google.com/java/lang/String.html) connectionId,  
 long sequenceNumber,  
 [String](http://docs.google.com/java/lang/String.html) message,  
 [Object](http://docs.google.com/java/lang/Object.html) userData)

Constructs a new connection notification. The [source](http://docs.google.com/java/util/EventObject.html#getSource()) of the notification depends on whether it is being sent by a connector server or a connector client:

* For a connector server, if it is registered in an MBean server, the source is the [ObjectName](http://docs.google.com/javax/management/ObjectName.html) under which it is registered. Otherwise, it is a reference to the connector server object itself, an instance of a subclass of [JMXConnectorServer](http://docs.google.com/javax/management/remote/JMXConnectorServer.html).
* For a connector client, the source is a reference to the connector client object, an instance of a class implementing [JMXConnector](http://docs.google.com/javax/management/remote/JMXConnector.html).

**Parameters:**type - the type of the notification. This is usually one of the constants [OPENED](http://docs.google.com/javax/management/remote/JMXConnectionNotification.html#OPENED), [CLOSED](http://docs.google.com/javax/management/remote/JMXConnectionNotification.html#CLOSED), [FAILED](http://docs.google.com/javax/management/remote/JMXConnectionNotification.html#FAILED), [NOTIFS\_LOST](http://docs.google.com/javax/management/remote/JMXConnectionNotification.html#NOTIFS_LOST). It is not an error for it to be a different string.source - the connector server or client emitting the notification.connectionId - the ID of the connection within its connector server.sequenceNumber - a non-negative integer. It is expected but not required that this number will be greater than any previous sequenceNumber in a notification from this source.message - an unspecified text message, typically containing a human-readable description of the event. Can be null.userData - an object whose type and meaning is defined by the connector server. Can be null. **Throws:** [NullPointerException](http://docs.google.com/java/lang/NullPointerException.html) - if type, source, or connectionId is null. [IllegalArgumentException](http://docs.google.com/java/lang/IllegalArgumentException.html) - if sequenceNumber is negative.

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

### getConnectionId

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

The connection ID to which this notification pertains.

**Returns:**the connection ID.

| | [**Overview**](http://docs.google.com/overview-summary.html) | [**Package**](http://docs.google.com/package-summary.html) | **Class** | [**Use**](http://docs.google.com/class-use/JMXConnectionNotification.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/management/remote/JMXAuthenticator.html)   [**NEXT CLASS**](http://docs.google.com/javax/management/remote/JMXConnector.html) | [**FRAMES**](http://docs.google.com/index.html?javax/management/remote/JMXConnectionNotification.html)    [**NO FRAMES**](http://docs.google.com/JMXConnectionNotification.html)     [**All Classes**](http://docs.google.com/allclasses-noframe.html) |
| SUMMARY: NESTED | [FIELD](#3znysh7) | [CONSTR](#tyjcwt) | [METHOD](#3dy6vkm) | DETAIL: [FIELD](#17dp8vu) | [CONSTR](#1ksv4uv) | [METHOD](#2jxsxqh) |

[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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